Colegio Mexiquense Universitario

Ingeniería en Sistemas Computacionales

Manual Técnico: Car Agency

Docente: Vianey Soltero Pérez

Alumnos: Sergio Rangel Vargas

Axel Isaac Cejudo Román

4to Semestre

Contenido

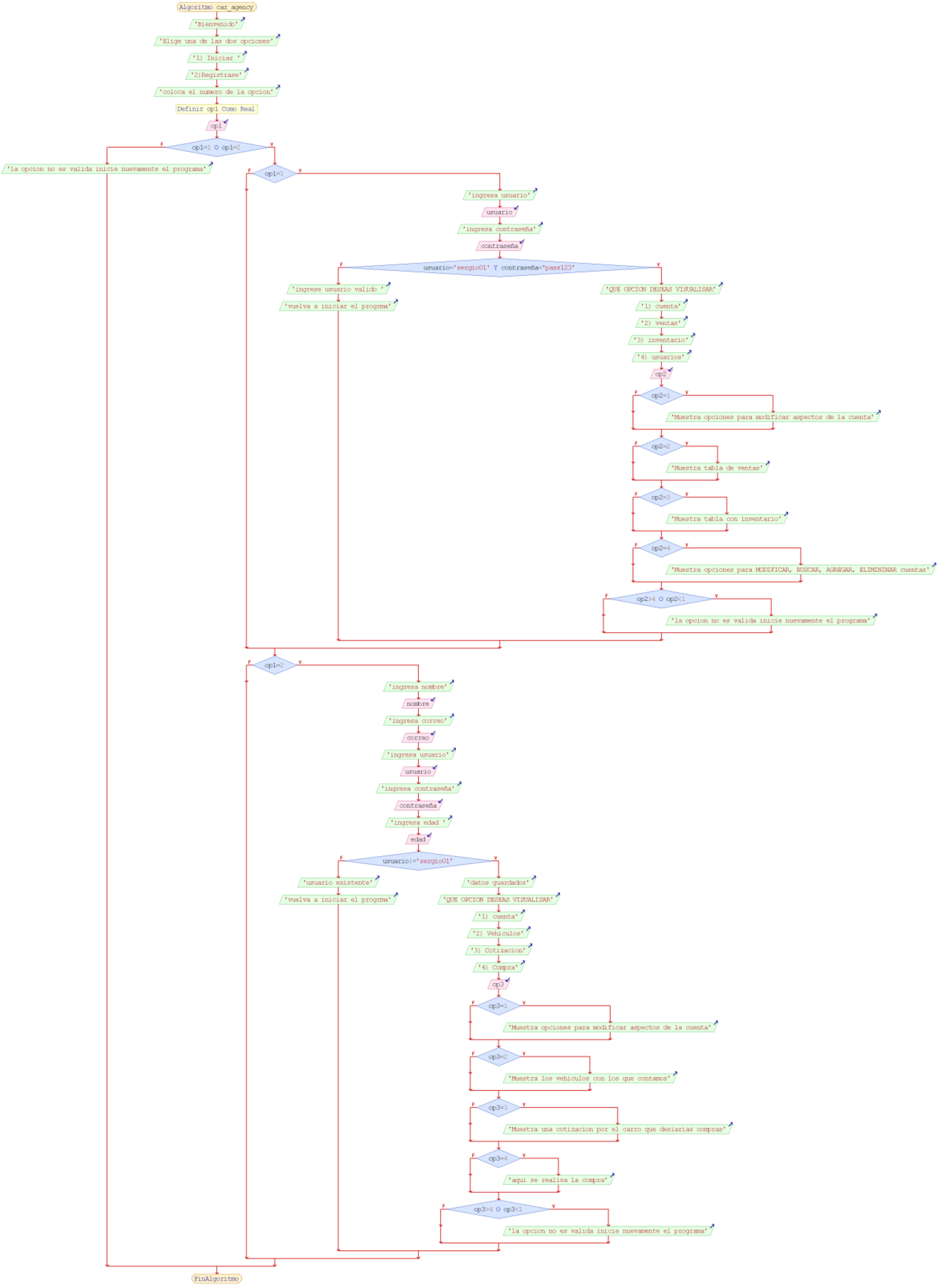
Objetivos

- ✓ Realizar una conexión a una base de datos en NetBeans
- ✓ Aplicar conocimientos aprendidos durante el semestre
- ✓ Usar medios de investigación para facilitar la construcción del programa ya sea libros, audiolibros, navegadores web.

Pseudocódigo

```
Algoritmo car_agency
    Escribir "Bienvenido";
    Escribir "Elige una de las dos opciones";
    Escribir "1) Iniciar ";
    Escribir "2) Registrase";
    Escribir "coloca el numero de la opción";
    Definir op1 como numero;
    Leer op1;
    Si op1=1 || op1=2 Entonces
        Si op1=1 Entonces
            Escribir "ingresa usuario";
            Leer usuario
            Escribir "ingresa contraseña";
            Leer contraseña
            Si usuario="sergio01" && contraseña="pass123" Entonces
                Escribir "QUE OPCION DESEAS VISUALISAR";
                Escribir "1) cuenta";
                Escribir "2) ventas";
                Escribir "3) inventario";
                Escribir "4) usuarios";
                Leer op2
                Si op2=1 Entonces
                    Escribir "Muestra opciones para modificar aspectos de la cuenta";
                Fin Si
                Si op2=2 Entonces
                    Escribir "Muestra tabla de ventas";
                Fin Si
                Si op2=3 Entonces
                    Escribir "Muestra tabla con inventario";
                Fin Si
                Si op2=4 Entonces
                    Escribir "Muestra opciones para MODIFICAR, BUSCAR, AGREGAR, ELIMININAR cuentas";
                Fin Si
                Si op2>4 || op2<1 Entonces
                    Escribir "la opción no es válida inicie nuevamente el programa";
                Fin Si
            SiNo
                Escribir "ingrese usuario valido ";
                Escribir "vuelva a iniciar el programa";
            Fin Si
        Fin Si
        Si op1=2 Entonces
            Escribir "ingresa nombre";
            Leer nombre;
            Escribir "ingresa correo";
            Leer correo;
            Escribir "ingresa usuario";
            Leer usuario;
            Escribir "ingresa contraseña";
            Leer contraseña;
            Escribir "ingresa edad ";
            Leer edad;
            Si usuario!="sergio01" Entonces
                Escribir "datos guardados";
                Escribir "QUE OPCION DESEAS VISUALISAR";
                Escribir "1) cuenta";
                Escribir "2) Vehículos";
                Escribir "3) Cotización";
                Escribir "4) Compra";
                Leer op3;
                Si op3=1 Entonces
                    Escribir "Muestra opciones para modificar aspectos de la cuenta";
                Fin Si
                Si op3=2 Entonces
                    Escribir "Muestra los vehículos con los que contamos";
                Fin Si
                Si op3=3 Entonces
                    Escribir "Muestra una cotización por el carro que desearías compras";
                Fin Si
                Si op3=4 Entonces
                    Escribir "aqui se realiza la compra";
                Fin Si
                Si op3>4 || op3<1 Entonces
                    Escribir "la opción no es válida inicie nuevamente el programa";
                Fin Si
            SiNo
                Escribir "usuario existente";
                Escribir "vuelva a iniciar el programa";
            Fin Si
        Fin Si
    SiNo
        Escribir "la opción no es válida inicie nuevamente el programa";
    Fin Si
FinAlgoritmo
```

Diagrama de flujo


Algoritmo car_agency
'Bienvenido'
'Elige una de las dos opciones'
'1) Iniciar '
'2)Registrase'
'coloca el numero de la opcion'
Definir op1 Como Real
op1
F
op1=1 O op1=2
V
'la opcion no es valida inicie nuevamente el programa'
F
op1=1
V
'ingresa usuario'
usuario
'ingresa contraseña'
contraseña
F
usuario='sergio01' Y contraseña='pass123'
V
'ingrese usuario valido '
'vuelva a iniciar el progrma'
'QUE OPCION DESEAS VISUALISAR'
'1) cuenta'
'2) ventas'
'3) inventario'
'4) usuarios'
op2
F
op2=1
V
'Muestra opciones para modificar aspectos de la cuenta'
F
op2=2
V
'Muestra tabla de ventas'
F
op2=3
V
'Muestra tabla con inventario'
F
op2=4
V
'Muestra opciones para MODIFICAR, BUSCAR, AGREGAR, ELIMININAR cuentas'
F
op2>4 O op2<1
V
'la opcion no es valida inicie nuevamente el programa'
F
op1=2
V
'ingresa nombre'
nombre
'ingresa correo'
correo
'ingresa usuario'
usuario
'ingresa contraseña'
contraseña
'ingresa edad '
edad
F
usuario!='sergio01'
V
'usuario existente'
'vuelva a iniciar el progrma'
'datos guardados'
'QUE OPCION DESEAS VISUALISAR'
'1) cuenta'
'2) Vehiculos'
'3) Cotizacion'
'4) Compra'
op3
F
op3=1
V
'Muestra opciones para modificar aspectos de la cuenta'
F
op3=2
V
'Muestra los vehiculos con los que contamos'
F
op3=3
V
'Muestra una cotizacion por el carro que desiarias compras'
F
op3=4
V
'aqui se realisa la compra'
F
op3>4 O op3<1
V
'la opcion no es valida inicie nuevamente el programa'
FinAlgoritmo

Instalación de NetBeans IDE 8.2

Requisitos de software

Antes de instalar el IDE, debe tener instalado en el sistema la actualización 19 de Java SE Development Kit (JDK) (versión 1.5.0_19) o la actualización 14 de JDK 6 o posterior. Si no tiene una instalación de JDK, no puede continuar con la instalación. Puede descargar la versión más reciente de JDK en http://java.sun.com/javase/downloads.

Para las opciones de descarga de PHP, Ruby y C/C++ puede instalar JRE en lugar de JDK. Sin embargo, si piensa usar cualquiera de las funciones de Java, necesitará JDK.

Opciones de descarga del instalador

En la página de descarga de NetBeans IDE puede obtener uno de los diversos instaladores, cada uno de los cuales contiene el IDE básico y herramientas adicionales.

Los siguientes instaladores están disponibles:

Java. Proporciona herramientas para desarrollar aplicaciones de Java SE, Java EE y Java ME. Esta opción de descarga también incluye el software GlassFish v3 y Apache Tomcat 6.0.20.

JavaFX. Proporciona compatibilidad para el desarrollo de aplicaciones multiplataforma de JavaFX.

Java SE. Proporciona todas las características estándar para el desarrollo de Java SE. También se incluye la compatibilidad con el desarrollo de RCP de la plataforma NetBeans.

Ruby. Proporciona herramientas para el desarrollo de Ruby y es compatible con Rails y JRuby. También contiene GlassFish v3.

PHP. Proporciona herramientas para el desarrollo de PHP.

C/C++. Es compatible con el desarrollo en los lenguajes C, C++, Qt, Fortran y Assembly.

All (Todo). Es una opción de descarga completa que contiene todos los tiempos de ejecución y los paquetes disponibles para NetBeans IDE.

Personalización de la instalación

Si realiza la descarga mediante las opciones Java o "All" (Todo), puede seleccionar qué herramientas y tiempos de ejecución que desea instalar. Haga clic en Personalizar en la página de bienvenida del instalador y seleccione las características que desee usar. Para obtener más información, consulte Instalación del software.

Si desea agregar funciones a la configuración del NetBeans IDE, utilice NetBeans Plugin Manager. Por ejemplo, suponga que descarga e instala el paquete de Ruby. A continuación, decide que desea probar las funciones de C/C++. Para ello, hay que acceder a NetBeans Plugin Manager desde el IDE (seleccione Herramientas > Plugins) y agregar el paquete C/C++ a la instalación existente.

Hay varias notas importantes sobre la instalación y la configuración de algunas funciones de NetBeans IDE:

Apache Tomcat 6.0.20 se incluye en las opciones de descarga "Java" y "All" (Todo), pero no se instala de forma predeterminada con ninguna de ellas. Para instalar Apache Tomcat a partir de estas descargas, inicie el instalador y seleccione Apache Tomcat 6.0.20 en el cuadro de diálogo Personalizar la instalación.

Para el desarrollo de C/C++, aplicable a los tipos de descarga "C/C++" y "All" (Todo), deberá instalar además compiladores y herramientas. Para obtener más información, consulte Configuración de NetBeans IDE para C/C++/Fortran.

En Mac OS X, puede personalizar la instalación de NetBeans IDE en las opciones de descarga de Java, Ruby, y "All" (Todo). Esta posibilidad no está disponible en las descargas JavaSE, PHP y C/C++.

También puede descargar un archivo comprimido independiente de la plataforma y ejecutar el archivo ejecutable de NetBeans IDE. Tenga en cuenta que los tiempos de ejecución, como los servidores de aplicaciones de GlassFish y Apache Tomcat, sólo están disponibles con instaladores para plataformas específicas.

Inicio de la descarga

Vaya a la página de descargas de NetBeans IDE.

En la parte superior derecha de la página, seleccione el idioma y la plataforma en la lista desplegable. También puede optar por descargar y utilizar el archivo zip independiente de la plataforma.

Haga clic en el botón Download (Descargar) de la opción de descarga que desee instalar.

Guarde el archivo del instalador en el sistema.

Instalación del software

Siga las instrucciones que aparecen en esta sección para instalar el IDE en el sistema. Estas instrucciones de instalación se aplican a todas las plataformas compatibles. Para obtener la lista de las plataformas compatibles, consulte las notas de la versión.

Microsoft Windows, Solaris OS y Linux

Para instalar el software:

Una vez finalizada la descarga, ejecute el instalador.

El archivo del instalador de Windows tiene la extensión .exe. Haga doble clic en él para ejecutarlo.

El archivo del instalador de las plataformas Solaris y Linux tiene la extensión .sh. En estas plataformas debe convertir los archivos del instalador en ejecutables mediante el siguiente comando: chmod +x <nombre-archivo-instalador>

Para seleccionar las herramientas y tiempos de ejecución que se van a instalar, siga estos pasos en la página de bienvenida del asistente de instalación:

Haga clic en Personalizar.

En el cuadro de diálogo Personalizar la instalación, realice las selecciones.

Haga clic en Aceptar.

En la página de bienvenida del asistente para la instalación, haga clic en Siguiente.

En la página del contrato de licencia, revise el contrato, marque la casilla de aceptación y haga clic en Siguiente.

En la página de instalación de NetBeans IDE, siga estos pasos:

Acepte el directorio de instalación predeterminado de NetBeans IDE o especifique otro directorio. Nota: el directorio de instalación debe estar vacío y el perfil de usuario que utilice para ejecutar el instalador debe disponer de permisos de lectura/escritura en dicho directorio.

Acepte la instalación de JDK predeterminada para usarlo con NetBeans IDE o seleccione una instalación diferente en la lista desplegable. Si el asistente de instalación no encuentra una instalación de JDK compatible para usar con NetBeans IDE, no se instalará en la ubicación predeterminada. En este caso, especifique la ruta de un JDK instalado o cancele la instalación actual, instale la versión de JDK requerida y reinicie esta instalación.

Haga clic en Siguiente.

Si se abre la página de instalación de GlassFish v3, acepte el directorio de instalación predeterminado o especifique otra ubicación para la instalación.

Si va a instalar Apache Tomcat: en la página de instalación, acepte el directorio de instalación predeterminado o especifique otra ubicación para la instalación.

En la página de resumen, compruebe que la lista de componentes que se van a instalar es correcta y que dispone de espacio suficiente en el sistema para la instalación.

Haga clic en Instalar para comenzar la instalación.

Nota: si surgen problemas para instalar el software correctamente, consulte Resolución de problemas para obtener descripciones y sugerencias para solucionar problemas no resueltos que pueden afectar al proceso de instalación.

Mac OS X

Para instalar el software:

Una vez finalizada la descarga, ejecute el instalador. La extensión del archivo del instalador es .dmg.

En los paneles que se abren, haga clic en el icono del paquete. La extensión del paquete es .mpkg. El asistente de instalación comienza.

En la página de bienvenida del asistente para la instalación, haga clic en Continuar.

Revise el contrato de licencia y haga clic en Continuar. Haga clic en Aceptar en la ventana emergente para aceptar la licencia.

En la página de selección de destino, elija la unidad y haga clic en Continuar.

Si ha descargado los paquetes de "All" (Todo), Java o Ruby, puede personalizar la instalación. En el último panel del asistente de instalación, pulse el botón Personalizar de la parte inferior izquierda del panel. Aparece el árbol de productos.

Seleccione los productos que desea instalar.

Especifique el nombre y la contraseña del administrador del sistema y haga clic en Aceptar para comenzar la instalación.

Paquete independiente de la plataforma

Para ejecutar el software:

Cuando finalice la descarga del archivo ZIP independiente de la plataforma, extráigalo a cualquier carpeta del sistema.

Ejecute el archivo ejecutable ubicado en el directorio netbeans/bin.

Acepte el contrato de licencia. NetBeans IDE se inicia.

Nota: tenga en cuenta que los tiempos de ejecución, como el servidor de aplicaciones de GlassFish y Apache Tomcat, sólo están disponibles con instaladores para plataformas específicas.

Nota: si no puede encontrar la instalación de JDK compatible, quizá deba agregar la ruta del directorio de instalación de JDK de forma manual:

Abra el archivo netbeans.conf que se encuentra en netbeans/etc en un editor de texto.

Introduzca la ubicación de la instalación de JDK compatible como valor de la opción netbeans_jdkhome.

Guarde el archivo netbeans.conf y ejecute el archivo ejecutable de netbeans/bin

Instalación de AppServ

AppServ es un software que nos permite instalar sobre Windows Apache, PHP, MySQL y phpMyAdmin (interfaz gráfica para adminsitrar MySQL) de forma conjunta. Es una aplicación muy útil para empezar a familiarizarnos con Gestores de Contenidos, aprender a configurarlos e instalarlos, ya que nos permite realizar pruebas sobre nuestro pc y una vez que dominemos el tema podemos decidirnos a comprar un dominio y un alojamiento.

Para instalar AppServ os dejamos un paso a paso que os hará la tarea más facil:

- En primer lugar descargaremos el paquete de SourceForge, contando con dos versiones AppServ 2.5.5 (apache 2.0.55, MySQL 5.0.15 y PHP 5) o AppServ 2.4.5 (apache 1.3.34, MySQL 5.0.16 y PHP 4).
- Una vez descargado el ejecutable procedemos a ejecutar la instalación, recibiendo un mensaje de bienvenida y hacemos Click en Next

- **Directorio de Instalación:** en esta pantalla nos solicita el directorio en el que queremos instalar la aplicación, por defecto nos marca "c:/appserv", lo cambiamos si queremos y pulsamos Next.

- **Tipo de Instalación:** Elegimos Typical.

- **Server Information:** La casilla Server Name la dejamos como viene por defecto con "Localhost" y en la casilla Administrator E-mail Address o lo dejamos como viene por defecto y luego lo cambiamos, o le introducimos una cuenta de correo que sera la del administrador. El campo "HTTP Port" lo dejamos como viene por defecto (80), salvo que queramos que el servidor atienda les peticiones en otro puerto. Pulsamos en Next

- **MySql Information:** Este es uno de los apartados más importantes ya que empezamos a instalar MySQL. En la casilla Username introduciremos el nombre del administrador de la base de datos y en la casilla Password le introducimos la contraseña, aunque si queremos hacerlo más fácil ponemos como usuario: root y el apartado contraseña lo dejamos vacio ya que posteriormente podemos cambiarlo con phpMyAdmin. El apartado Charset lo dejamos tal como viene por defecto. Pulsamos en Next

- **Progreso de la instalación:** Empieza realmente la instalación mostrandonos una barra de progreso hasta que aparece una pantalla que nos avisa de que ha finalizado la misma, debiendo dejar marcadas las opciones que vienen por defecto. Finalmente pulsamos en Close.
- **Comprobación de la instalación:** Si hemos hecho bien los deberes al poner en nuestro navegador: http://localhost nos debe aparecer la pantalla siguiente:

Si esta pantalla no aparece supone que bien Apache o MySQL no están funcionado bien, y debemos volver a instalarlo

Link de descarga: https://www.appserv.org/en/download/

Hosting

Es un servicio en línea que te permite publicar un sitio o aplicación web en Internet. Cuando te registras en un servicio de hosting, básicamente alquilas un espacio en un servidor donde puedes almacenar todos los archivos y datos necesarios para que tu sitio web funcione correctamente.

HostBuddy
fast & reliable webhosting
24x7 Customer Service
1-877-936-2284
24/7 Live Chat | Tech Support | Customer Login
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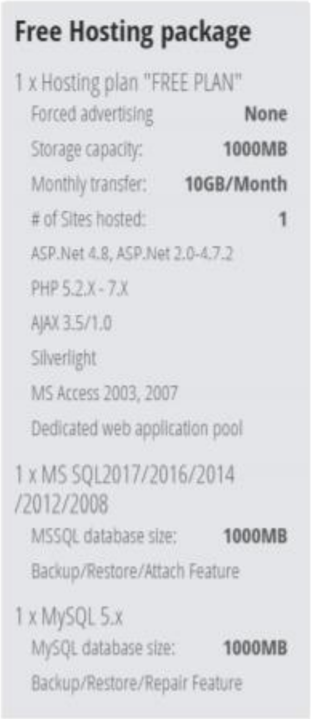
Free ASP.NET Hosting
Hosting Plans
$12/Domain
Affiliates
Why Us
Contact Us
SUPERIOR
ASP.NET Hosting
HOST UNLIMITED SITES
GET IT FREE
FREE ASP.NET HOSTING PLAN
READ MORE >>
Instant Activations - NO CREDIT CARD REQUIRED - FREE Temporary URL
Over 30 Free 1-Click Script Installs!
Blog

En este caso se utilizó el hosting para alojar la base de datos del programa “car agency” para poder acceder desde cualquier computadora mediante el programa creado. Se utilizo el servicio de HostBuddy cuyos precios son razonables a lo que ofrece sin embargo la base de datos esta alojada por medio de un paquete de prueba de 60 días que cuenta con los requerimientos necesarios para el proyecto.



Free Hosting package

1 x Hosting plan "FREE PLAN"	
Forced advertising	None
Storage capacity:	1000MB
Monthly transfer:	10GB/Month
# of Sites hosted:	1
ASP.Net 4.8, ASP.Net 2.0-4.7.2	
PHP 5.2.X - 7.X	
AJAX 3.5/1.0	
Silverlight	
MS Access 2003, 2007	
Dedicated web application pool	
1 x MS SQL2017/2016/2014 /2012/2008	
MSSQL database size:	1000MB
Backup/Restore/Attach Feature	
1 x MySQL 5.x	
MySQL database size:	1000MB
Backup/Restore/Repair Feature	

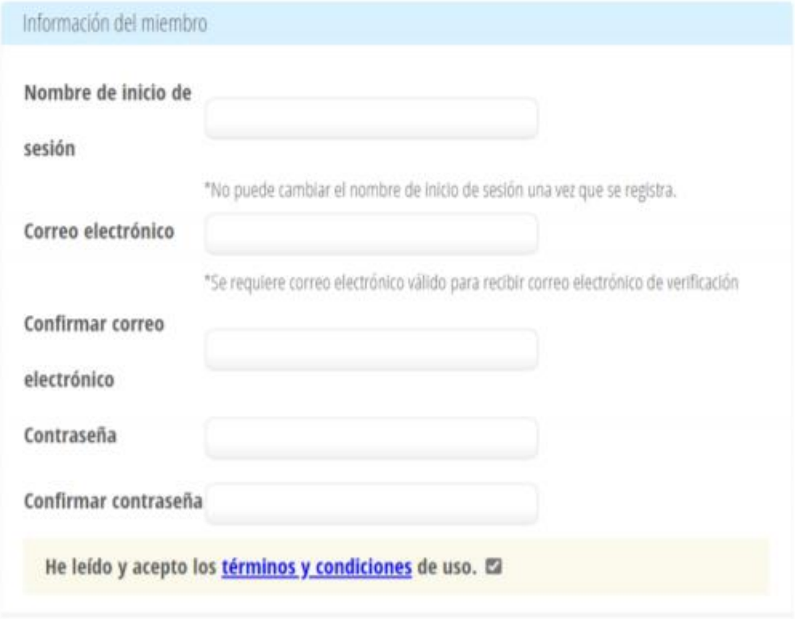
Las características de este servicio gratuito de alojamiento son:

- Sin publicidad
- Almacenamiento 1000MB MySQL
- MSSQL
- Transferencia 10GB/mes
- Copia de seguridad de BD
- Restauración de BD
- Reparación de BD
- ASP.Net 4.8, ASP.Net 2.0-4.7.2
- PHP 5.2.X - 7.X
- AJAX 3.5 / 1.0
- MS Access 2003, 2007

Registro, Creación y Subida de la base de datos Mysql

PASO 1 » Lo primero es entrar al link para registrase y contratar el servicio gratuito de HostBuddy. Link: https://www.hostbuddy.com/secured_signup?plantype=&affiliate=

PASO 2 » Nos registraremos con nuestros datos en el formulario lo demás lo dejamos como están y procedemos a darle al botón "únete" si todo está correcto nos enviara a la siguiente ventana.

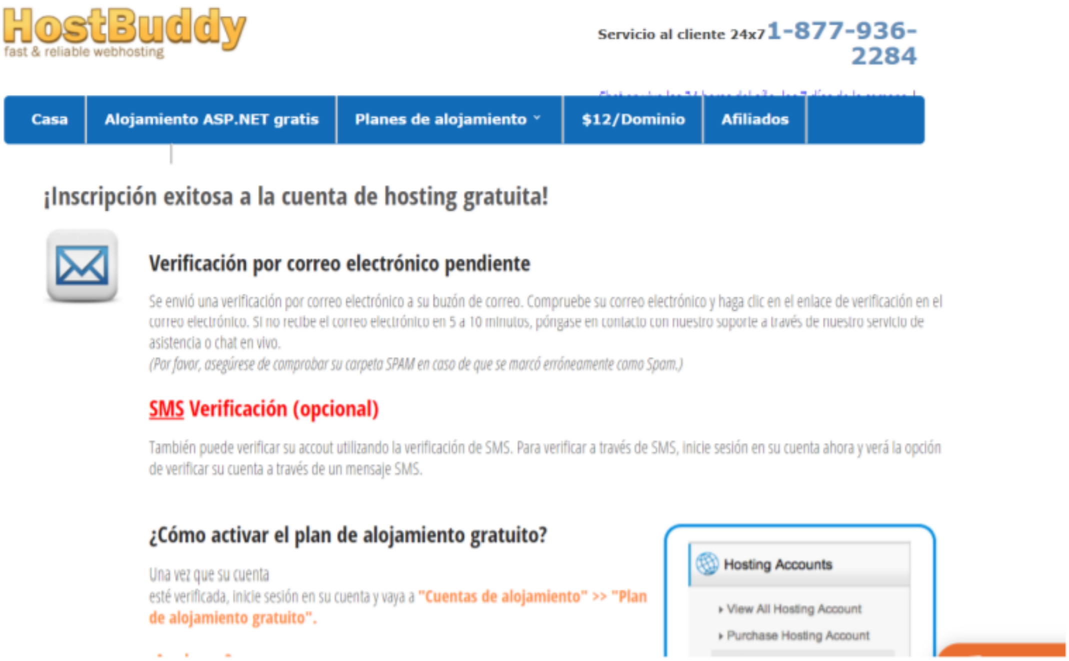


Información del miembro

Nombre de inicio de sesión	
	*No puede cambiar el nombre de inicio de sesión una vez que se registra.
Correo electrónico	
	*Se requiere correo electrónico válido para recibir correo electrónico de verificación
Confirmar correo electrónico	
Contraseña	
Confirmar contraseña	

He leído y acepto los términos y condiciones de uso. ☑

PASO 3 » Ya registrado se tendrá que revisar el correo para verificar la cuenta



HostBuddy
fast & reliable webhosting
Servicio al cliente 24x7 1-877-936-2284
Casa
Alojamiento ASP.NET gratis
Planes de alojamiento
$12/Dominio
Afiliados

¡Inscripción exitosa a la cuenta de hosting gratuita!

Verificación por correo electrónico pendiente

Se envió una verificación por correo electrónico a su buzón de correo. Compruebe su correo electrónico y haga clic en el enlace de verificación en el correo electrónico. Si no recibe el correo electrónico en 5 a 10 minutos, póngase en contacto con nuestro soporte a través de nuestro servicio de asistencia o chat en vivo.
(Por favor, asegúrese de comprobar su carpeta SPAM en caso de que se marcó erróneamente como Spam.)

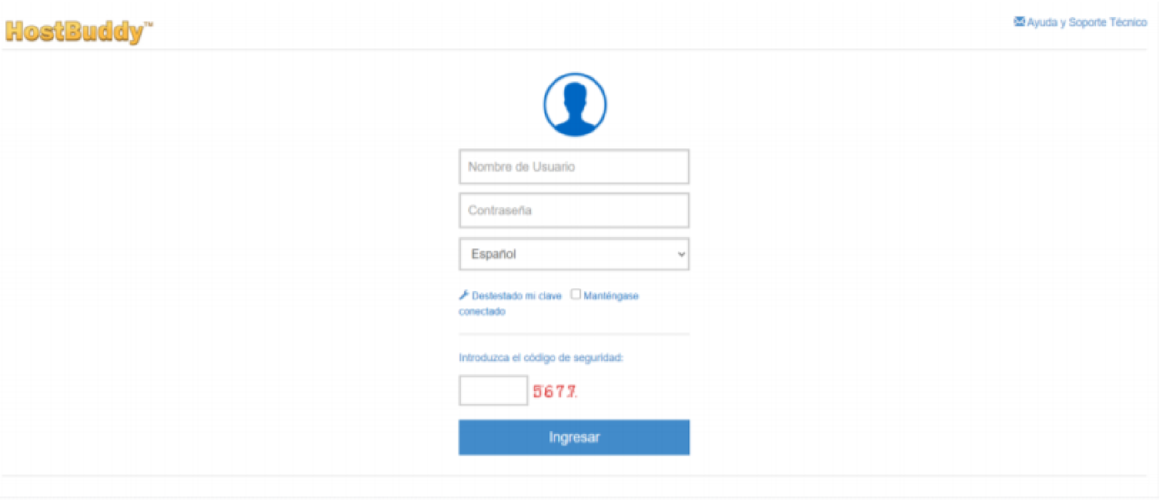
SMS Verificación (opcional)

También puede verificar su accout utilizando la verificación de SMS. Para verificar a través de SMS, inicie sesión en su cuenta ahora y verá la opción de verificar su cuenta a través de un mensaje SMS.

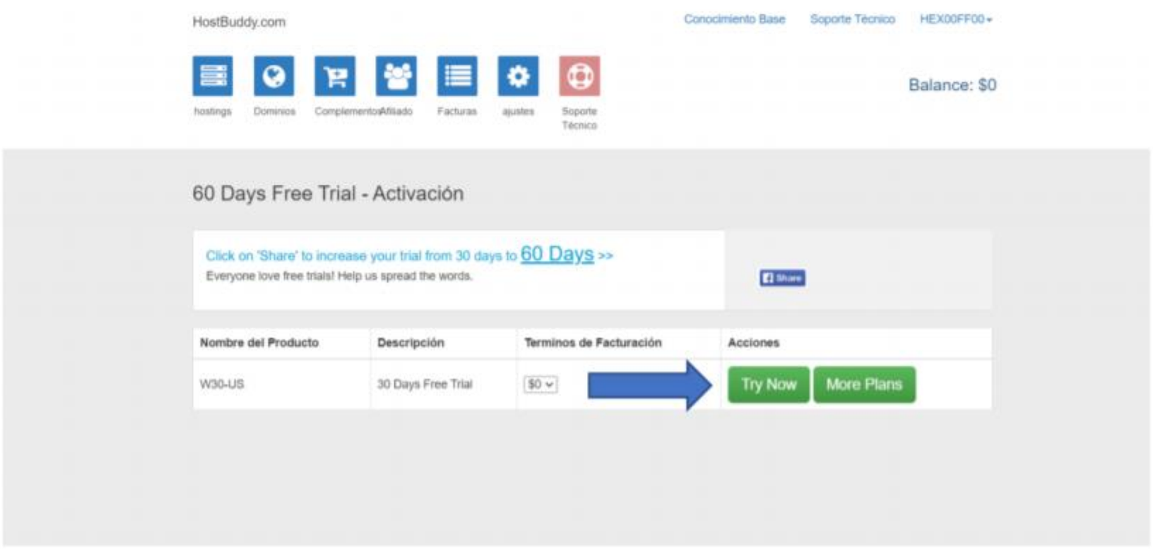
¿Cómo activar el plan de alojamiento gratuito?

Una vez que su cuenta esté verificada, inicie sesión en su cuenta y vaya a "Cuentas de alojamiento" >> "Plan de alojamiento gratuito".

Pase 4 » Luego de verificar nuestra cuenta nos enviara a la ventana de login donde ingresaremos el usuario y contraseña con el que nos registramos.



PASO 5 » Al ingresar tendremos esta ventana que nos dice que para tener los 60 días de prueba gratis tenemos que compartir la página por Facebook, en caso de no querer hacerlo simplemente le damos al botón verde que dice “try now” para comenzar el servicio.

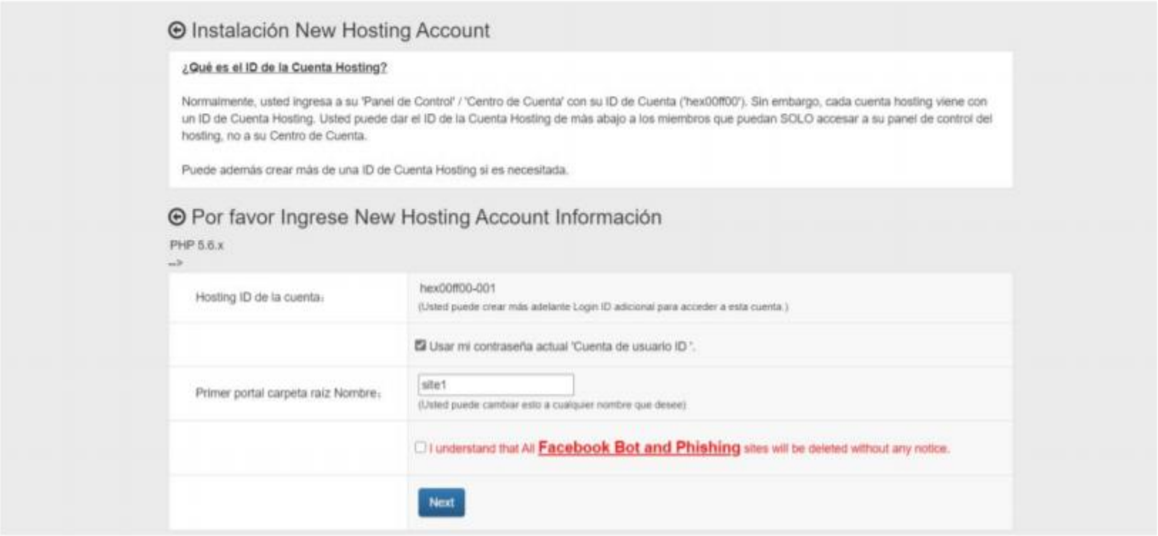


60 Days Free Trial - Activación

Click on 'Share' to increase your trial from 30 days to 60 Days >>
Everyone love free trials! Help us spread the words.

Nombre del Producto	Descripción	Terminos de Facturación	Acciones
W30-US	30 Days Free Trial	$0	Try Now More Plans

PASO 6 » Ingresaremos un nombre de dominio para empezar a usar el servidor y marcamos la casilla para aceptar los términos y condiciones los cuales menciona que no usaremos el servicio con la intención de hacer phishing luego le daremos al botón “next”.



Instalación New Hosting Account

¿Qué es el ID de la Cuenta Hosting?

Normalmente, usted ingresa a su 'Panel de Control' / 'Centro de Cuenta' con su ID de Cuenta ('hex00ff00'). Sin embargo, cada cuenta hosting viene con un ID de Cuenta Hosting. Usted puede dar el ID de la Cuenta Hosting de más abajo a los miembros que puedan SOLO accesar a su panel de control del hosting, no a su Centro de Cuenta.

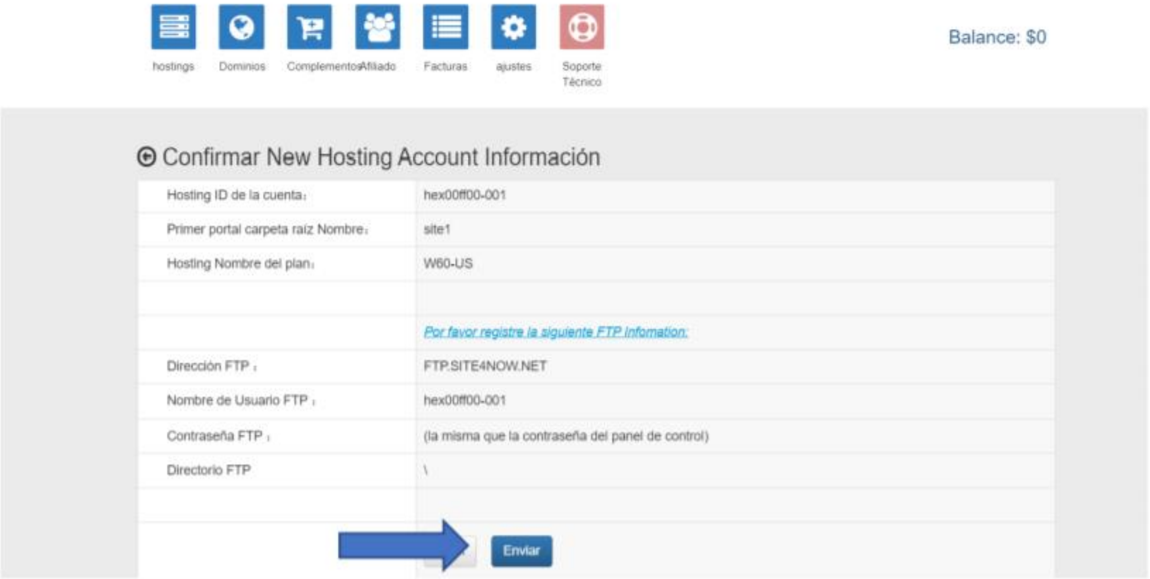
Puede además crear más de una ID de Cuenta Hosting si es necesitada.

Por favor Ingrese New Hosting Account Información

PHP 5.6.x
-->

Hosting ID de la cuenta:	hex00ff00-001 (Usted puede crear más adelante Login ID adicional para acceder a esta cuenta.)
	☑ Usar mi contraseña actual 'Cuenta de usuario ID '.
Primer portal carpeta raíz Nombre:	site1 (Usted puede cambiar esto a cualquier nombre que desee)
	□ I understand that All Facebook Bot and Phishing sites will be deleted without any notice.
	Next

PASO 7 » Para finalizar el registro solo tenemos que darle al botón “enviar” y esperar entre 1 a 3 minutos a que termine el registro para poder utilizar los servicios.

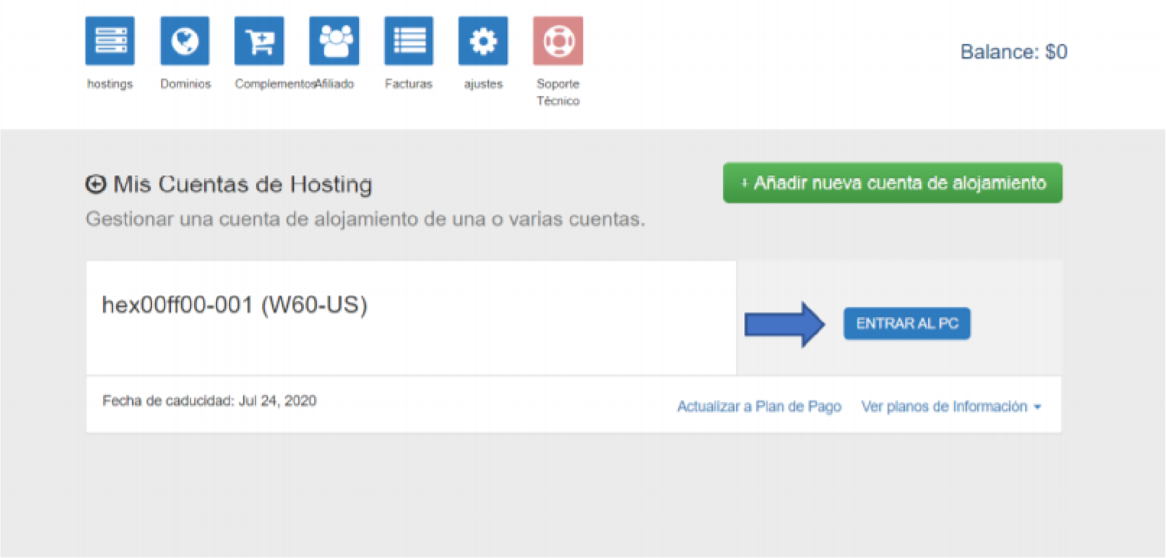


Balance: $0

Confirmar New Hosting Account Información

Hosting ID de la cuenta:	hex00ff00-001
Primer portal carpeta raíz Nombre:	site1
Hosting Nombre del plan:	W60-US
	Por favor registre la siguiente FTP infomation:
Dirección FTP :	FTP.SITE4NOW.NET
Nombre de Usuario FTP :	hex00ff00-001
Contraseña FTP :	(la misma que la contraseña del panel de control)
Directorio FTP	\
	Enviar

PASO 8 » Una vez terminado el registro podremos empezar dándole al botón azul que dice "ENTRAR AL PC" esto nos enviara al menú central del servidor.



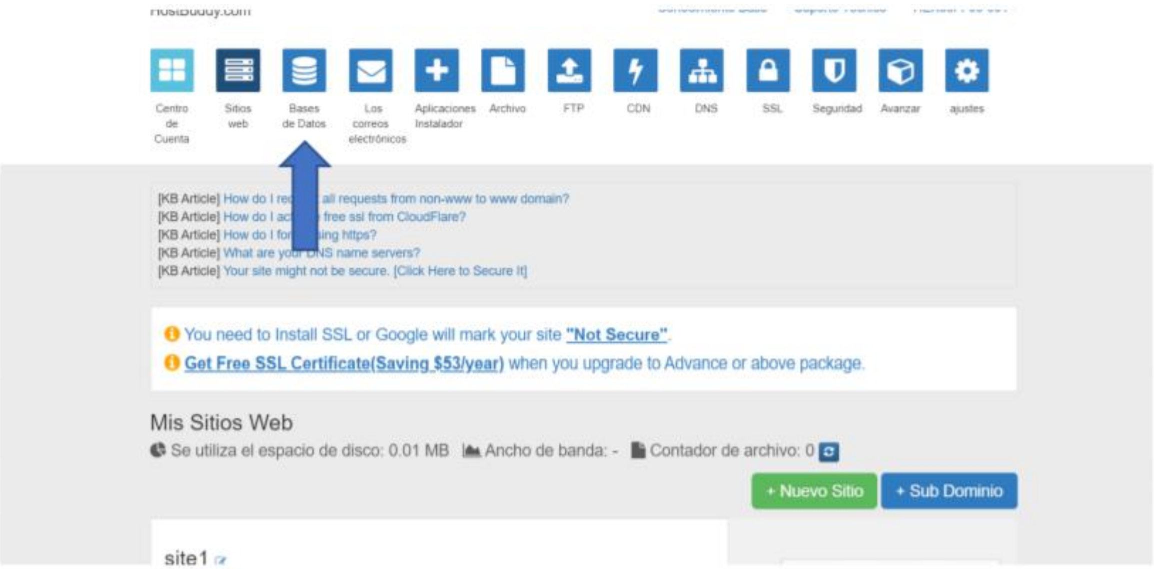
⊕ Mis Cuentas de Hosting

Gestionar una cuenta de alojamiento de una o varias cuentas.

hex00ff00-001 (W60-US)

Fecha de caducidad: Jul 24, 2020

PASO 9 » Como solo utilizaremos el servicio de alojamiento para bases de datos ignoraremos todas las demás opciones e iremos directo al botón que dice "Bases de Datos".



[KB Article] How do I re all requests from non-www to www domain?
[KB Article] How do I ac free ssl from CloudFlare?
[KB Article] How do I for ing https?
[KB Article] What are yo NS name servers?
[KB Article] Your site might not be secure. [Click Here to Secure It]

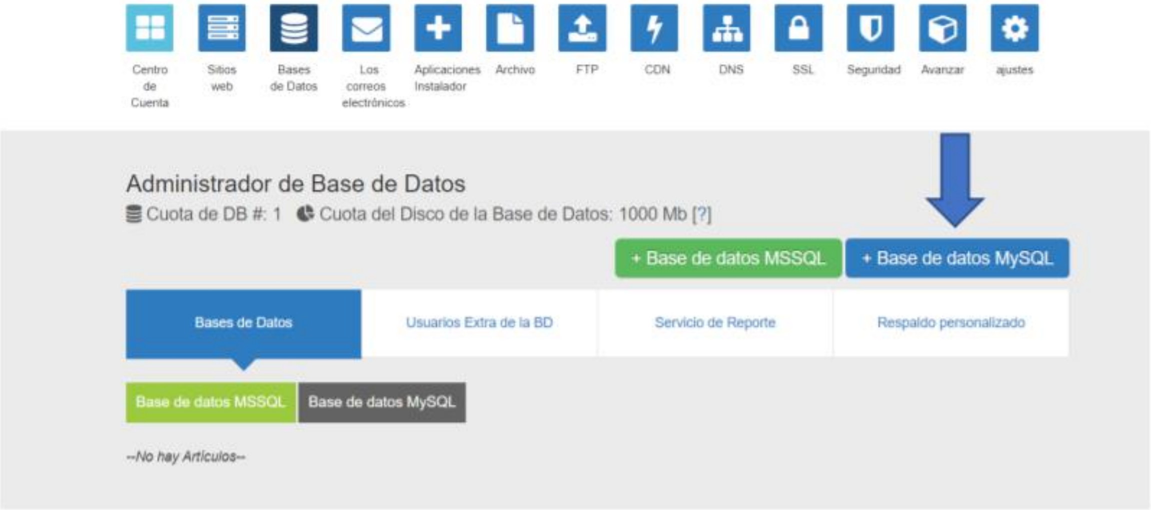
You need to Install SSL or Google will mark your site "Not Secure".
Get Free SSL Certificate(Saving $53/year) when you upgrade to Advance or above package.

Mis Sitios Web

Se utiliza el espacio de disco: 0.01 MB Ancho de banda: - Contador de archivo: 0

site1

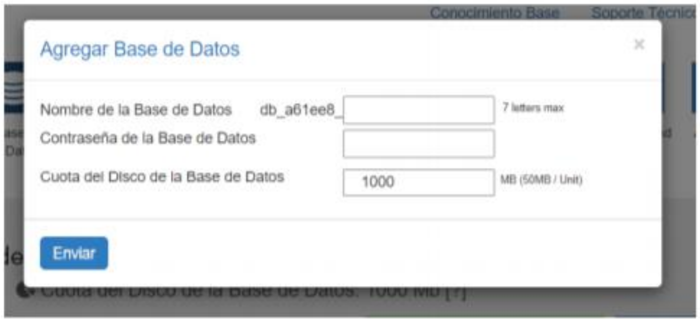
PASO 10 » Seleccionar la opción de "+ Base de datos MySQL" se nos desplegara un recuadro donde se ingresara el nombre de la base de datos, la contraseña y el tamaño para la misma.



Administrador de Base de Datos

Cuota de DB #: 1 Cuota del Disco de la Base de Datos: 1000 Mb [?]

--No hay Artículos--



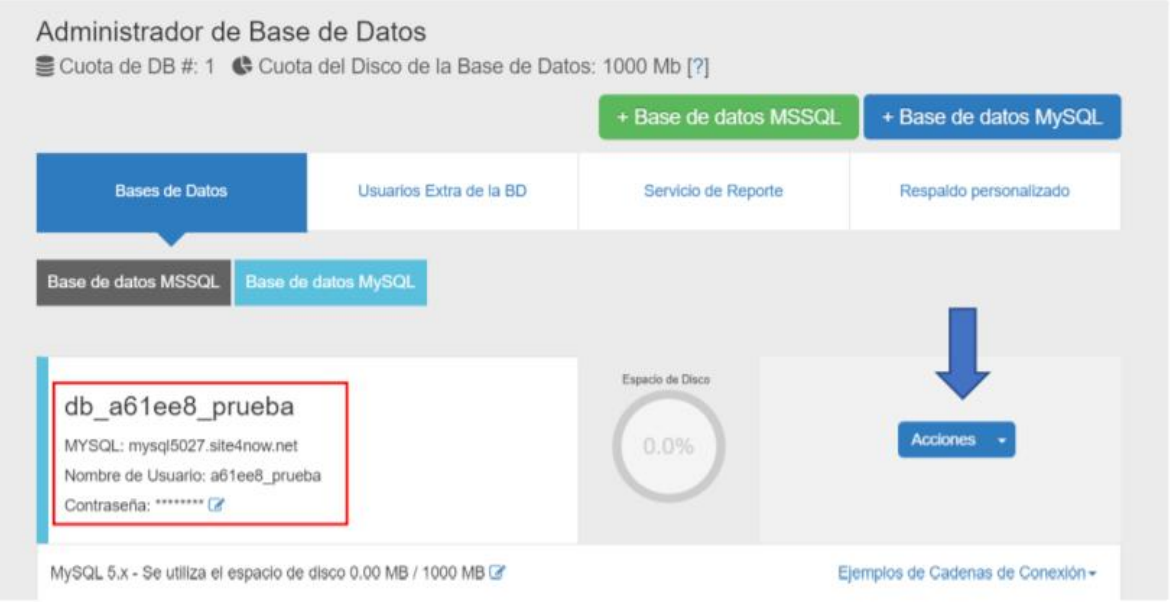
Agregar Base de Datos

Nombre de la Base de Datos db_a61ee8_ 7 letters max

Contraseña de la Base de Datos

Cuota del Disco de la Base de Datos 1000 MB (50MB / Unit)

PASO 11 » Se creara la base y para acceder le damos al botón "Acciones" para desplegar las opciones disponibles para trabajar la base de datos, además de mostrarnos los datos como el: nombre de la base, host, usuario, estos datos se utilizan en la conexión con java.



Administrador de Base de Datos

Cuota de DB #: 1 Cuota del Disco de la Base de Datos: 1000 Mb [?]

db_a61ee8_prueba

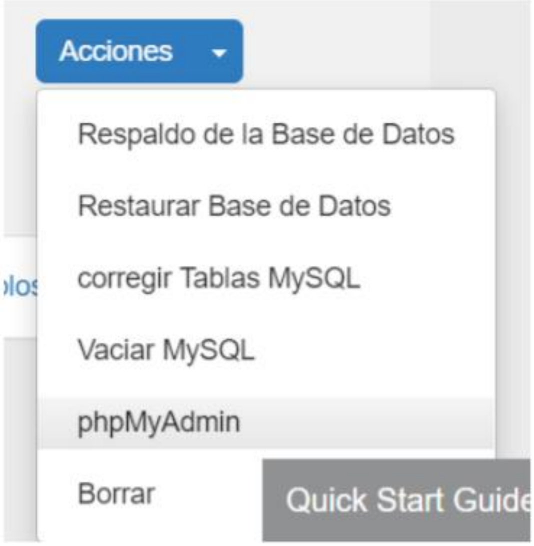
MYSQL: mysql5027.site4now.net

Nombre de Usuario: a61ee8_prueba

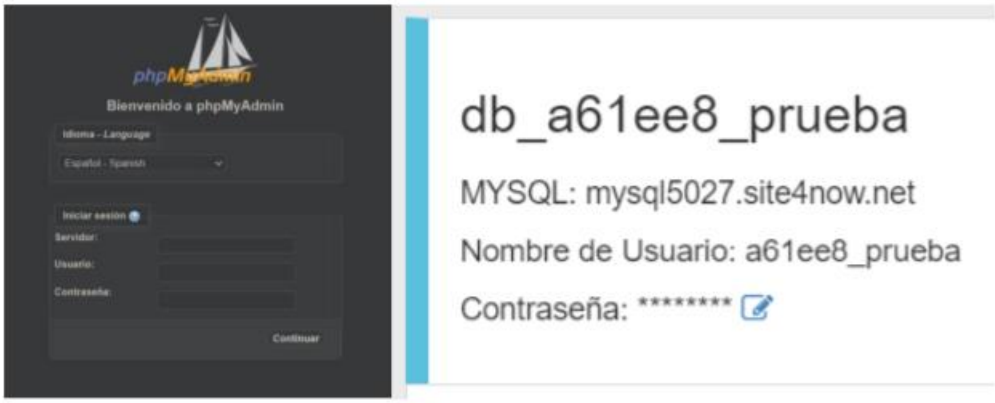
Contraseña: ********

MySQL 5.x - Se utiliza el espacio de disco 0.00 MB / 1000 MB

PASO 12 » Para acceder a la base de datos seleccionamos la opción de ¨phpMyAdmin¨ para después subir el archivo .sql de nuestra base de datos.



PASO 13 » Para ingresar nos pedirá el nombre del servidor, usuario y contraseña, estos datos nos lo dan anteriormente en el panel de menú de las bases de datos PASO 11.



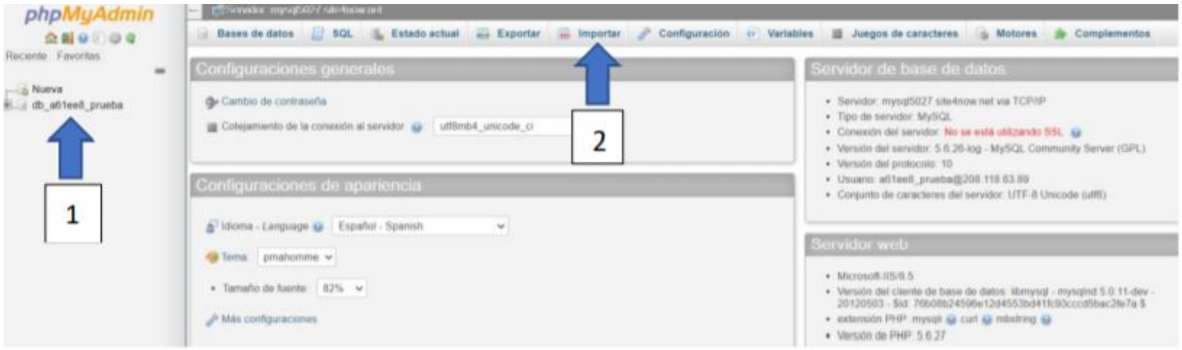
db_a61ee8_prueba

MYSQL: mysql5027.site4now.net

Nombre de Usuario: a61ee8_prueba

Contraseña: ********

PASO 14 » Una ves adentro de ¨phpMyAdmin¨ le daremos clic a la base creada y luego a la opción ¨Importar¨ para subir la base de datos.



Cotejamiento de la conexión al servidor: utf8mb4_unicode_ci

Idioma - Language: Español - Spanish

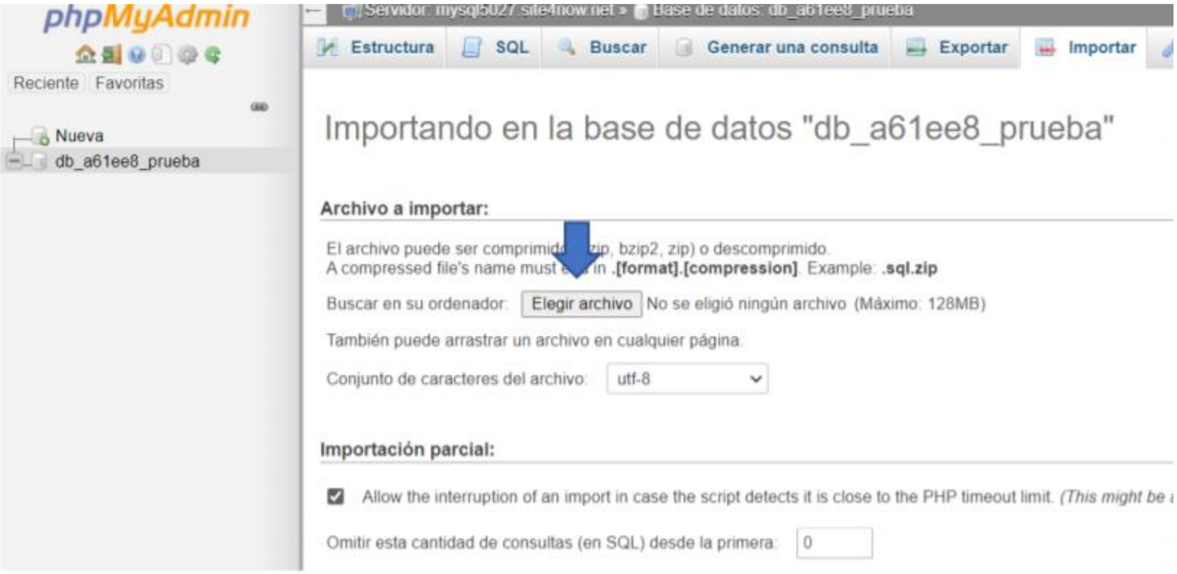
Tema: pmahomme

Tamaño de fuente: 82%

- Servidor: mysql5027.site4now.net via TCP/IP
- Tipo de servidor: MySQL
- Conexión del servidor: No se está utilizando SSL
- Versión del servidor: 5.6.26-log - MySQL Community Server (GPL)
- Versión del protocolo: 10
- Usuario: a61ee8_prueba@208.118.63.89
- Conjunto de caracteres del servidor: UTF-8 Unicode (utf8)

- Microsoft-IIS/8.5
- Versión del cliente de base de datos: libmysql - mysqlnd 5.0.11-dev - 20120503 - $Id: 76b08b24596e12d4553bd41fc93cccd5bac2fe7a $
- extensión PHP: mysqli curl mbstring
- Versión de PHP: 5.6.27

PASO 15 » Aquí le daremos al botón que dice “Elegir archivo” y abrirá otra ventada donde se tendrá que buscar al archivo .sql de nuestra base de datos para poder subirla al servidor hosting.



Importando en la base de datos "db_a61ee8_prueba"

Archivo a importar:

El archivo puede ser comprimido (gzip, bzip2, zip) o descomprimido.
A compressed file's name must end in **.[format].[compression]**. Example: **.sql.zip**

Buscar en su ordenador: Elegir archivo No se eligió ningún archivo (Máximo: 128MB)

También puede arrastrar un archivo en cualquier página.

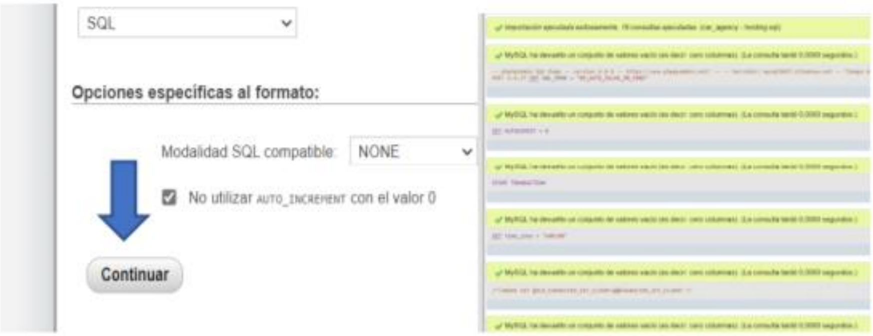
Conjunto de caracteres del archivo: utf-8

Importación parcial:

☑ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. *(This might be a*

Omitir esta cantidad de consultas (en SQL) desde la primera: 0

PASO 16 » Una vez seleccionado el archivo daremos clic al botón de “Continuar” en la parte inferior y si todo sale correctamente se verán mensajes en color verde además de que aparecerá.



SQL

Opciones específicas al formato:

Modalidad SQL compatible: NONE

☑ No utilizar AUTO_INCREMENT con el valor 0

✓ Importación ejecutada exitosamente, [illegible] consultas ejecutadas. (car_agency - hosting.sql)

✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]

[illegible]

✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]

SET AUTOCOMMIT = 0

✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]

START TRANSACTION

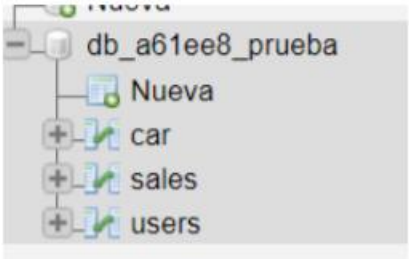
✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]

SET time_zone = "+00:00"

✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]

[illegible]

✓ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). [illegible]



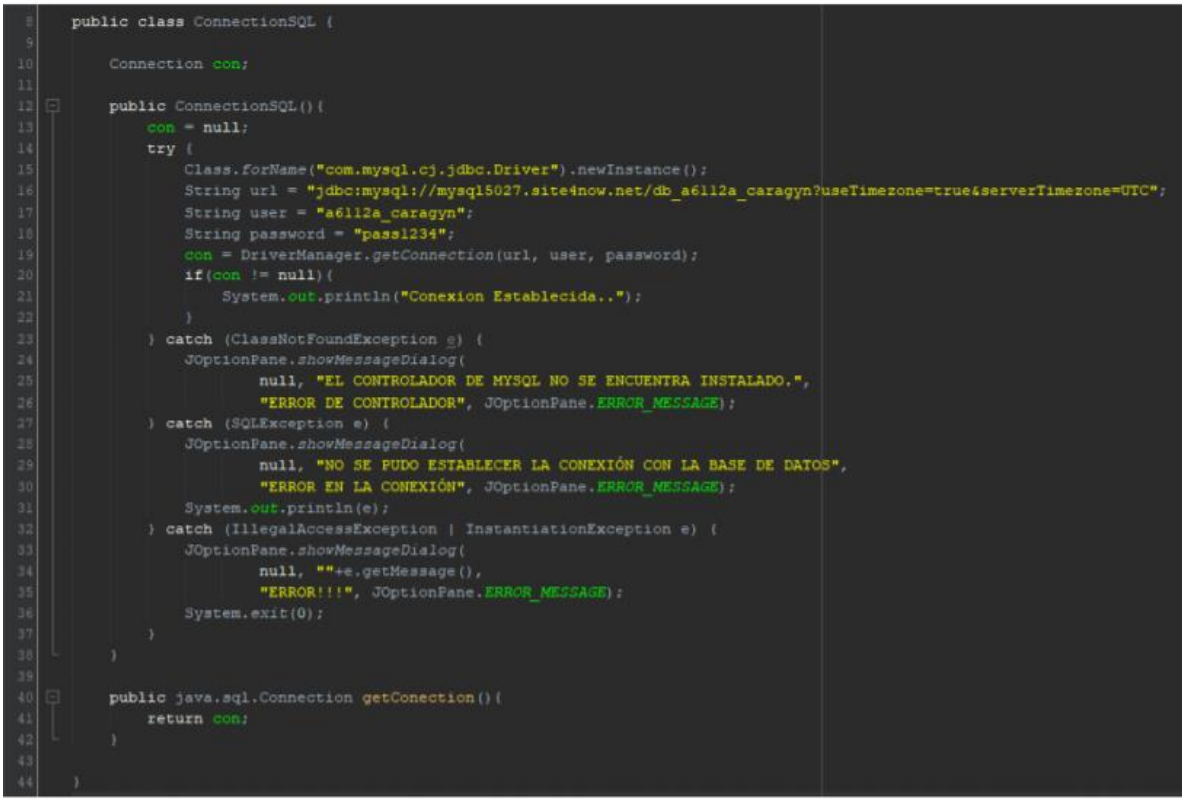
Una vez realizado todos los paso ya tendremos nuestro registro del servicio de hosting gratuito en HostBuddy junto a la base de datos creada en el con todos los datos subido de nuestra base de datos creada en el localhost pero ahora en un servidor.

Conexión y Uso de la base de datos

Una conexión mediante un servidor hosting no es diferente a la conexión realizada mediante un servidor local solo se necesita contar los siguientes requisitos:

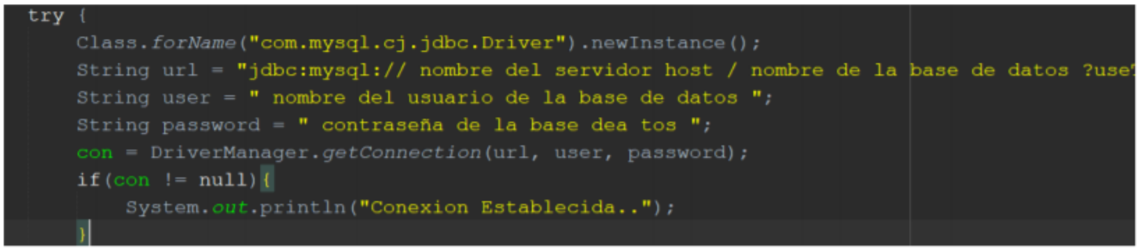
- El controlador .jar encargado de hacer la conexión y el que nos permite implementar el código dentro de nuestro compilador de código ya no viene por defecto en él.

- El código para nuestro compilador de código que son las instrucciones que tiene que realizar nuestro programa para conectarse a la base de datos y así poder interactuar con ella mediante nuestro programa.

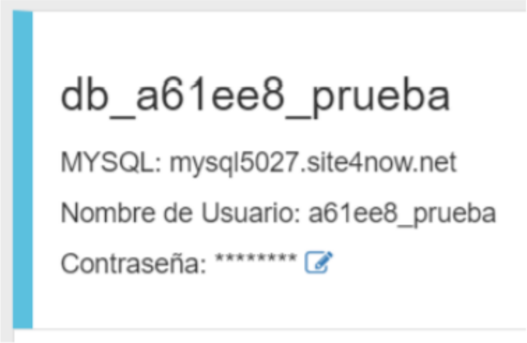


```java
public class ConnectionSQL {

    Connection con;

    public ConnectionSQL(){
        con = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
            String url = "jdbc:mysql://mysql5027.site4now.net/db_a6112a_caragyn?useTimezone=true&serverTimezone=UTC";
            String user = "a6112a_caragyn";
            String password = "pass1234";
            con = DriverManager.getConnection(url, user, password);
            if(con != null){
                System.out.println("Conexion Establecida..");
            }
        } catch (ClassNotFoundException e) {
            JOptionPane.showMessageDialog(
                    null, "EL CONTROLADOR DE MYSQL NO SE ENCUENTRA INSTALADO.",
                    "ERROR DE CONTROLADOR", JOptionPane.ERROR_MESSAGE);
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(
                    null, "NO SE PUDO ESTABLECER LA CONEXIÓN CON LA BASE DE DATOS",
                    "ERROR EN LA CONEXIÓN", JOptionPane.ERROR_MESSAGE);
            System.out.println(e);
        } catch (IllegalAccessException | InstantiationException e) {
            JOptionPane.showMessageDialog(
                    null, ""+e.getMessage(),
                    "ERROR!!!", JOptionPane.ERROR_MESSAGE);
            System.exit(0);
        }
    }

    public java.sql.Connection getConection(){
        return con;
    }

}
```

Para la conexión se declara el controlador y después solo colocamos los datos que nos pide que son: nombre del servidor, usuario y contraseña de la base de datos, todos estos- datos ya nos la dan el hosting.



```
try {
    Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
    String url = "jdbc:mysql:// nombre del servidor host / nombre de la base de datos ?use
    String user = " nombre del usuario de la base de datos ";
    String password = " contraseña de la base dea tos ";
    con = DriverManager.getConnection(url, user, password);
    if(con != null){
        System.out.println("Conexion Establecida..");
    }
```



db_a61ee8_prueba

MYSQL: mysql5027.site4now.net

Nombre de Usuario: a61ee8_prueba

Contraseña: ********

Servidor Host

Nombre del Usuario

Contraseña de la base de datos

Código fuente

ConnectionSQL

```
package code;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import javax.swing.JOptionPane;

public class ConnectionSQL {

      Connection con;

      public ConnectionSQL(){
          con = null;
          try {
Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
              // HOSTING
              String url = "jdbc:mysql://mysql5027.site4now.net/db_a6112a_caragyn?useTimezone=true&serverTimezone=UTC";//obtenemos el url
              String user = "a6112a_caragyn";//obtenemos el usuario de la base a la que se va a conectar
              String password = "pass1234";//obtenemos la contraseña de la base a la que se va a conectar

              con = DriverManager.getConnection(url, user, password);
              if(con != null){//indicamos que si todo el procedimiento es correcto nos impirma el siguiente mensaje
                  System.out.println("Conexion Establecida..");
              }

          } catch (ClassNotFoundException e) {//indicamos que si ocurre un error nos muestre el tipo de error
              JOptionPane.showMessageDialog(
                      null, "EL CONTROLADOR DE MYSQL NO SE ENCUENTRA INSTALADO.",
                      "ERROR DE CONTROLADOR", JOptionPane.ERROR_MESSAGE);
          } catch (SQLException e) {
              JOptionPane.showMessageDialog(
                      null, "NO SE PUDO ESTABLECER LA CONEXIÓN CON LA BASE DE DATOS",
                      "ERROR EN LA CONEXIÓN", JOptionPane.ERROR_MESSAGE);
              System.out.println(e);
          } catch (IllegalAccessException | InstantiationException e) {
              JOptionPane.showMessageDialog(
                      null, ""+e.getMessage(),
                      "ERROR!!!", JOptionPane.ERROR_MESSAGE);
              System.exit(0);
          }
      }

      public java.sql.Connection getConection(){//creamos un método para ver si la conexión sigue
          return con;
      }

      public void setDisconnect(){//creamos un método para ver si la conexión sigue
          con = null;
          if(con == null){
              System.err.print("×");
          }
      }



  }
  }
```

FILES

```java
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package code;

import com.itextpdf.text.BaseColor;
import com.itextpdf.text.Document;
import com.itextpdf.text.DocumentException;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.awt.Font;
import java.io.FileOutputStream;
import java.io.IOException;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Random;
import view.Login;
import view.user.Purchase;

/**
 *
 * @author Restf
 */
public class Files {
    public void pdfCreateFile(String url, String price, String extra, String total, int value){
        String txtCompany = Purchase.selectCompany.getSelectedItem().toString();
        String companyPDF = txtCompany.substring(2);
        String txtState = Purchase.selectState.getSelectedItem().toString();
        String statePDF = txtState.substring(2);
        String txtModel = Purchase.selectModel.getSelectedItem().toString();
        String modelPDF = txtModel.substring(2);
        String txtSerial = Purchase.selectSerial.getSelectedItem().toString();
        String serialPDF = txtSerial.substring(2);
        String txtColors = Purchase.selectColors.getSelectedItem().toString();
        String colorsPDF = txtColors.substring(2);
        String txtColorsNew = Purchase.selectColorsNew.getSelectedItem().toString();
        String colorNewPDF = txtColorsNew.substring(2);
        String txtTypePayment = Purchase.selectTypePayment.getSelectedItem().toString();
        String typePDF = txtTypePayment.substring(2);

        Date date = new Date();
        DateFormat format = new SimpleDateFormat("dd/MM/yyyy");
        PdfPTable table = new PdfPTable(2);
        float[] mediaCeldas ={3.30f,3.50f};
        PdfPTable tablePDF = new PdfPTable(1);
        float[] mediaCeldass ={3.30f};

        try {
            tablePDF.setWidths(mediaCeldass);
        } catch (DocumentException ex) {
            System.out.println(ex);
        }
        tablePDF.addCell(new Paragraph(" DESCRIPCION    ", FontFactory.getFont("Arial",20,Font.BOLD,BaseColor.BLUE)));
        try {
            table.setWidths(mediaCeldas);
        } catch (DocumentException ex) {
            System.out.println(ex);
        }
        table.addCell(new Paragraph("COMPAÑIA"+"\n\nESTADO"+"\n\nMODELO"+"\n\nNUMERO SERIAL"+"\n\nCOLOR", FontFactory.getFont("Arial",20)));
        table.addCell(new Paragraph(companyPDF+"\n\n"+statePDF+"\n\n"+modelPDF+"\n\n"+serialPDF+"\n\n"+colorsPDF, FontFactory.getFont("Arial",20)));

        Random random = new Random();
        int f = random.nextInt(10000);
        int c = random.nextInt(1000);
        try{
            FileOutputStream archivo = new FileOutputStream(url+".pdf");
            Document doc= new Document();
            PdfWriter.getInstance(doc, archivo);
            doc.open();
            doc.add(new Paragraph("CAR AGENCY FACTURA", FontFactory.getFont("Arial",25,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph("Un auto nuevo es un sueño nuevo Fecha: "+format.format(date), FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph(" N° de Factura: "+f, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph(" N°de Cliente: "+c, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph("FACTURA A: "+Login.userEntity.getName(), FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph("Blvrd Toluca Metepec 300, Zona Sin Asignación de Nombre de Col 1, 52140 Metepec, Méx.", FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph("7291307338", FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph("\n\n"));
            doc.add(tablePDF);
            doc.add(table);
            doc.add(new Paragraph("\n\n TIPO DE PAGO: "+typePDF, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph(" PRECIO: $"+price, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph(" ADICIONES: $"+extra, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.add(new Paragraph(" TOTAL: $"+total, FontFactory.getFont("Arial",12,Font.ROMAN_BASELINE,BaseColor.BLACK)));
            doc.close();
        } catch(Exception e) {
            System.out.println("Error: "+e);
        }

        ProcessBuilder p= new ProcessBuilder();
        p.command("cmd.exe","/c",url+".pdf");
        try {
            p.start();
        } catch (IOException ex) {
            System.out.println(ex);
        }

    }


}
```

MethodsSQL

```java
 /*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package code;

import com.itextpdf.text.BaseColor;
import com.itextpdf.text.Document;
import com.itextpdf.text.DocumentException;
import com.itextpdf.text.Element;
import com.itextpdf.text.FontFactory;
import com.itextpdf.text.PageSize;
import com.itextpdf.text.Paragraph;
import com.itextpdf.text.pdf.PdfPTable;
import com.itextpdf.text.pdf.PdfWriter;
import java.awt.Desktop;
import java.awt.Font;
import java.awt.HeadlessException;
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.OutputStream;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author Restf
 */
public class MethodsSQL {

    private static Connection conn;
    private static ConnectionSQL con;
    private static PreparedStatement ps;
    private static ResultSet rs;
    MyIcon icon = new MyIcon();

    public Connection setConnection(){
        conn = main.Main.conn.getConection();
        return conn;
    }

//-------------------------------------------------------------------------------------------------------------------------------------------
    public UsersEntity Login(String user, String pass){
        UsersEntity ev = new UsersEntity();
        conn = setConnection();
        String sql = "SELECT * FROM users WHERE user=? and pass=?";
        try {
            ps = conn.prepareStatement(sql);
            ps.setString(1, user);
            ps.setString(2, pass);
            rs = ps.executeQuery();
            while (rs.next()) {
                ev.setState (rs.getInt(2));
```

```java
                ev.setName  (rs.getString(3));
                ev.setEmail (rs.getString(4));
                ev.setRfc   (rs.getString(5));
                ev.setUser  (rs.getString(6));
                ev.setPass  (rs.getString(7));
                ev.setAge   (rs.getString(8));
            }
        } catch (SQLException e) {
        }
        return ev;
    }

    public UsersEntity RFC(String rfc){
        UsersEntity ev = new UsersEntity();
        conn = setConnection();
        String sql = "SELECT * FROM users WHERE rfc = ?";
        try {
            ps = conn.prepareStatement(sql);
            ps.setString(1, rfc);
            rs = ps.executeQuery();
            while (rs.next()) {
                ev.setId    (rs.getInt(1));
                ev.setState (rs.getInt(2));
                ev.setName  (rs.getString(3));
                ev.setEmail (rs.getString(4));
                ev.setRfc   (rs.getString(5));
                ev.setUser  (rs.getString(6));
                ev.setPass  (rs.getString(7));
                ev.setAge   (rs.getString(8));
            }
        } catch (SQLException e) {
        }
        return ev;
    }
//-------------------------------------------------------------------------------------------------------------------------------------------
    public boolean Register(int id, int state, String name, String email, String rfc, String user, String pass, String age){
        boolean okey = false;
        try {
            conn = setConnection();
            String SQL = "INSERT INTO users (id, state, name, email, rfc, user, pass, age) VALUES (?,?,?,?,?,?,?,?)";
            ps = conn.prepareStatement(SQL);
            ps.setInt(1, id);
            ps.setInt(2, state);
            ps.setString(3, name);
            ps.setString(4, email);
            ps.setString(5, rfc);
            ps.setString(6, user);
            ps.setString(7, pass);
            ps.setString(8, age);
            int i = ps.executeUpdate();
            if(i>0){
                okey = true;
                MyIcon icon = new MyIcon();
                JOptionPane.showMessageDialog(
                    null, "Datos Guardados.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                okey = false;
                JOptionPane.showMessageDialog(
                    null, "Error al guardar los datos.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
        return okey;
    }

    public void Purchase(int id, int folio, String name, String model, int serial_number, int price_car, String additional, int price_additional, int price_total, int type_payment){
        try {
            conn = setConnection();
            String SQL = "INSERT INTO sales (id, folio, name, model, serial_number, price_car, additional, price_additional, price_total, type_payment) VALUES (?,?,?,?,?,?,?,?,?,?)";
            ps = conn.prepareStatement(SQL);
            ps.setInt    (1, id);
            ps.setInt    (2, folio);
            ps.setString (3, name);
            ps.setString (4, model);
            ps.setInt    (5, serial_number);
            ps.setInt    (6, price_car);
            ps.setString (7, additional);
            ps.setInt    (8, price_additional);
            ps.setInt    (9, price_total);
            ps.setInt    (10, type_payment);
            int i = ps.executeUpdate();
            if(i>0){
                MyIcon icon = new MyIcon();
                JOptionPane.showMessageDialog(
                    null, "Compra Completada.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                JOptionPane.showMessageDialog(
                    null, "Error al completar la compra.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }
//---------------------------------------------------------------------------------------------------------------------------------------------
    public DefaultTableModel loadTableUser(){
        DefaultTableModel model;
        String com[] = {"ID", "ESTADO", "NOMBRE", "CORREO", "RFC", "USUARIO", "CONTRASEÑA", "EDAD" };
        String row[] = new String[8];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = "SELECT * FROM users;";
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                String state = "";
                switch(rs.getInt(2)){
                    case 0:
                        state = "USUARIO";
                        break;
                    case 1:
                        state = "ADMINISTRADOR";
                        break;
                }
                row[1] = state;
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                row[4] = rs.getString(5);
                row[5] = rs.getString(6);
                row[6] = rs.getString(7);
                row[7] = rs.getString(8);
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultTableModel loadTableUserFilter(String rfc){
        DefaultTableModel model;
        String com[] = {"ID", "ESTADO", "NOMBRE", "CORREO", "RFC", "USUARIO", "CONTRASEÑA", "EDAD" };
        String row[] = new String[8];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = "SELECT * FROM users WHERE rfc LIKE " + '"' + rfc + "%" + '"';
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                String state = "";
                switch(rs.getInt(2)){
                    case 0:
                        state = "USUARIO";
                        break;
                    case 1:
                        state = "DMINISTRADOR";
                        break;
                }
                row[1] = state;
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                row[4] = rs.getString(5);
                row[5] = rs.getString(6);
                row[6] = rs.getString(7);
                row[7] = rs.getString(8);
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultTableModel loadTableInventory(){
        DefaultTableModel model;
        String com[] = {"ID", "COMPAÑIA", "MODELO", "N° SERIE", "COLOR", "ESTADO", "PRECIO", "PAIS", "HP", "N° REGISTRO", "KILOMETRAJE" };
        String row[] = new String[11];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = "SELECT * FROM car;";
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                row[1] = rs.getString(2);
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                String color = "";
                switch(rs.getInt(5)){
                    case 1:
                        color = "1 BLANCO";
                        break;
                    case 2:
                        color = "2 ROJO";
                        break;
                    case 3:
                        color = "3 NARANJA";
                        break;
                    case 4:
                        color = "4 AMARILLO";
                        break;
                    case 5:
                        color = "5 VERDE";
                        break;
                    case 6:
                        color = "6 AZUL";
                        break;
                    case 7:
                        color = "7 GRIS";
                        break;
                }
                String state = "";
                switch(rs.getInt(6)){
                    case 0:
                        state = "0 NUEVO";
                        break;
                    case 1:
                        state = "1 SEMINUEVO";
                        break;
                    case 2:
                        state = "2 USADO";
                        break;
                }
                row[4] = color;
                row[5] = state;
                row[6] = rs.getString(7);
                row[7] = rs.getString(8);
                row[8] = rs.getString(9);
                row[9] = rs.getString(10);
                row[10] = rs.getString(11);
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultTableModel loadTableInventoryFilter(int select, String value){
        String txtSql = null;
        switch(select){
            case 1:
                txtSql = "SELECT * FROM car WHERE id LIKE " + '"' + value + "%" + '"';
                break;
            case 2:
                txtSql = "SELECT * FROM car WHERE company LIKE " + '"' + value + "%" + '"';
                break;
            case 3:
                txtSql = "SELECT * FROM car WHERE model LIKE " + '"' + value + "%" + '"';
                break;
            case 4:
                txtSql = "SELECT * FROM car WHERE serial_number LIKE " + '"' + value + "%" + '"';
                break;
            case 5:
                txtSql = "SELECT * FROM car WHERE color LIKE " + '"' + value + "%" + '"';
                break;
            case 6:
                txtSql = "SELECT * FROM car WHERE state LIKE " + '"' + value + "%" + '"';
                break;
            case 7:
                txtSql = "SELECT * FROM car WHERE price LIKE " + '"' + value + "%" + '"';
                break;
            case 8:
                txtSql = "SELECT * FROM car WHERE country LIKE " + '"' + value + "%" + '"';
                break;
            case 9:
                txtSql = "SELECT * FROM car WHERE horsepower LIKE " + '"' + value + "%" + '"';
                break;
            case 10:
                txtSql = "SELECT * FROM car WHERE car_registration LIKE " + '"' + value + "%" + '"';
                break;
            case 11:
                txtSql = "SELECT * FROM car WHERE mileage LIKE " + '"' + value + "%" + '"';
                break;
        }
        DefaultTableModel model;
        String com[] = {"ID", "COMPAÑIA", "MODELO", "N° SERIE", "COLOR", "ESTADO", "PRECIO", "PAIS", "HP", "N° REGISTRO", "KILOMETRAJE" };
        String row[] = new String[11];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = txtSql;
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                row[1] = rs.getString(2);
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                String color = "";
                switch(rs.getInt(5)){
                    case 1:
                        color = "1 BLANCO";
                        break;
                    case 2:
                        color = "2 ROJO";
                        break;
                    case 3:
                        color = "3 NARANJA";
                        break;
                    case 4:
                        color = "4 AMARILLO";
                        break;
                    case 5:
                        color = "5 VERDE";
                        break;
                    case 6:
                        color = "6 AZUL";
                        break;
                    case 7:
                        color = "7 GRIS";
                        break;
                }
                String state = "";
                switch(rs.getInt(6)){
                    case 0:
                        state = "0 NUEVO";
```

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                        break;
                    case 1:
                        state = "1 SEMINUEVO";
                        break;
                    case 2:
                        state = "2 USADO";
                        break;
                }
                row[4] = color;
                row[5] = state;
                row[6] = rs.getString(7);
                row[7] = rs.getString(8);
                row[8] = rs.getString(9);
                row[9] = rs.getString(10);
                row[10] = rs.getString(11);
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultTableModel loadTableSales(){
        DefaultTableModel model;
        String com[] = {"ID", "FOLIO", "NOMBRE", "MODELO", "N° SERIE", "PRECIO VEHICULO", "ADICIONALES", "PRECIO ADICIONAL", "PRECIO TOTAL", "TIPO DE PAGO"};
        String row[] = new String[10];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = "SELECT * FROM sales;";
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                row[1] = rs.getString(2);
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                row[4] = rs.getString(5);
                row[5] = rs.getString(6);
                if(rs.getString(7) == null){
                    row[6] = "------------";
                    row[7] = "------------"; } else {
                    row[6] = rs.getString(7);
                    row[7] = rs.getString(8); }
                row[8] = rs.getString(9);
                if(rs.getInt(10) == 1){ row[9] = "TARJETA CREDITO"; }
                if(rs.getInt(10) == 2){ row[9] = "PAYPAL"; }
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultTableModel loadTableSalesFilter(int select, String value){
        String txtSql = null;
        switch(select){
            case 1:
                txtSql = "SELECT * FROM sales WHERE id LIKE " + '"' + value + "%" + '"';
                break;
            case 2:
                txtSql = "SELECT * FROM sales WHERE folio LIKE " + '"' + value + "%" + '"';
                break;
            case 3:
                txtSql = "SELECT * FROM sales WHERE name LIKE " + '"' + value + "%" + '"';
                break;
            case 4:
                txtSql = "SELECT * FROM sales WHERE model LIKE " + '"' + value + "%" + '"';
                break;
            case 5:
                txtSql = "SELECT * FROM sales WHERE serial_number LIKE " + '"' + value + "%" + '"';
                break;
            case 6:
                txtSql = "SELECT * FROM sales WHERE price_car LIKE " + '"' + value + "%" + '"';
                break;
            case 7:
                txtSql = "SELECT * FROM sales WHERE additional LIKE " + '"' + value + "%" + '"';
                break;
            case 8:
                txtSql = "SELECT * FROM sales WHERE price_additional LIKE " + '"' + value + "%" + '"';
                break;
            case 9:
                txtSql = "SELECT * FROM sales WHERE price_total LIKE " + '"' + value + "%" + '"';
                break;
            case 10:
                txtSql = "SELECT * FROM sales WHERE type_payment LIKE " + '"' + value + "%" + '"';
                break;
        }
        DefaultTableModel model;
        String com[] = {"ID", "FOLIO", "NOMBRE", "MODELO", "N° SERIE", "PRECIO VEHICULO", "ADICIONALES", "PRECIO ADICIONAL", "PRECIO TOTAL", "TIPO DE PAGO"};
        String row[] = new String[10];
        model = new DefaultTableModel(null, com);
        try {
            conn = setConnection();
            String SQL = txtSql;
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            while (rs.next()) {
                row[0] = rs.getString(1);
                row[1] = rs.getString(2);
                row[2] = rs.getString(3);
                row[3] = rs.getString(4);
                row[4] = rs.getString(5);
                row[5] = rs.getString(6);
               if(rs.getString(7) == null){
                    row[6] = "------------";
                    row[7] = "------------"; } else {
                    row[6] = rs.getString(7);
                    row[7] = rs.getString(8); }
                row[8] = rs.getString(9);
                if(rs.getInt(10) == 1){ row[9] = "TARJETA CREDITO"; }
                if(rs.getInt(10) == 2){ row[9] = "PAYPAL"; }
                model.addRow(row);
            }
        } catch (Exception e) {
        }
        return model;
    }

//---------------------------------------------------------------------------------------------------------------------------------------------
    public boolean ValidateUser(String user){
        boolean okey = false;
        try {
            conn = setConnection();
            String SQL = "SELECT user FROM users  WHERE user = ?";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, user);
            rs = ps.executeQuery();
            if(rs.next()){ okey = true; }
        } catch (SQLException e) {
            System.out.println("Error: "+e);
        }
        return okey;
    }

    public boolean ValidateRFC(String rfc){
        boolean okey = false;
        try {
            conn = setConnection();
            String SQL = "SELECT rfc FROM users  WHERE rfc = ?";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, rfc);
            rs = ps.executeQuery();
            if(rs.next()){ okey = true; }
        } catch (SQLException e) {
            System.out.println("Error: "+e);
        }
        return okey;
    }

    public boolean ValidateRFCicon(String rfc){
        boolean okey = false;
        try {
            conn = setConnection();
            String SQL = "SELECT * FROM users WHERE rfc LIKE " + '"' + rfc + "%" + '"';
            ps = conn.prepareCall(SQL);
            rs = ps.executeQuery();
            if(rs.next()){ okey = true; }
        } catch (SQLException e) {
            System.out.println("Error: "+e);
        }
        return okey;
    }

    public DefaultComboBoxModel loadModels(int selectCompany, int selectState){
        DefaultComboBoxModel model = new DefaultComboBoxModel();
        model.addElement("Seleccionar");
        try {
            conn = setConnection();
            String SQL = "SELECT model FROM car WHERE company = ? and state = ?";
            ps = conn.prepareStatement(SQL);
            String company = null;
            switch(selectCompany){
                case 1:
                    company = "NISSAN";
                    break;
                case 2:
                    company = "AUDI";
                    break;
                case 3:
                    company = "VOLKSWAGEN";
                    break;
            }
            ps.setString(1, company);
            ps.setInt(2, selectState);
            rs = ps.executeQuery();
            while (rs.next()) {
                model.addElement("• "+rs.getString(1));
            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultComboBoxModel loadSerial(String selectModel){
        DefaultComboBoxModel model = new DefaultComboBoxModel();
        model.addElement("Seleccionar");
        try {
            conn = setConnection();
            String SQL = "SELECT serial_number FROM car WHERE model = ?";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, selectModel);
            rs = ps.executeQuery();
            while (rs.next()) {
                model.addElement("• "+rs.getString(1));
```

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            }
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultComboBoxModel loadColorsQuotation(int selectSerial){
        DefaultComboBoxModel model = new DefaultComboBoxModel();
        model.addElement("Seleccionar");
        try {
            conn = setConnection();
            String SQL = "SELECT color FROM car WHERE serial_number = ?";
            ps = conn.prepareStatement(SQL);
            ps.setInt(1, selectSerial);
            rs = ps.executeQuery();
            while (rs.next()) {
                String color = null;
                switch(rs.getInt(1)){
                    case 1:
                        color = "BLANCO";
                        break;
                    case 2:
                        color = "ROJO";
                        break;
                    case 3:
                        color = "NARANJA";
                        break;
                    case 4:
                        color = "AMARILLO";
                        break;
                    case 5:
                        color = "VERDE";
                        break;
                    case 6:
                        color = "AZUL";
                        break;
                    case 7:
                        color = "GRIS";
                        break;
                }
                model.addElement("• "+color);
            }
        model.addElement("• Otro: ");
        } catch (Exception e) {
        }
        return model;
    }

    public DefaultComboBoxModel loadColorsVehicle(String selectModel){
        DefaultComboBoxModel model = new DefaultComboBoxModel();
        model.addElement("Seleccionar");
        try {
            conn = setConnection();
            String SQL = "SELECT color FROM car WHERE model = ?";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, selectModel);
            rs = ps.executeQuery();
            while (rs.next()) {
                String color = null;
                switch(rs.getInt(1)){
                    case 1:
                        color = "BLANCO";
                        break;
                    case 2:
                        color = "ROJO";
                        break;
                    case 3:
                        color = "NARANJA";
                        break;
                    case 4:
                        color = "AMARILLO";
                        break;
                    case 5:
                        color = "VERDE";
                        break;
                    case 6:
                        color = "AZUL";
                        break;
                    case 7:
                        color = "GRIS";
                        break;
                }
                model.addElement("• "+color);
            }
        } catch (Exception e) {
        }
        return model;
    }

    public int loadPriceCar(int serial_number){
        int txt = 0;
        try {
            conn = setConnection();
            String SQL = "SELECT price FROM car WHERE serial_number = ?";
            ps = conn.prepareStatement(SQL);
            ps.setInt(1, serial_number);
            rs = ps.executeQuery();
            if(rs.next()){
                txt = rs.getInt(1);
            }
        } catch (SQLException e) {
        }
        return txt;
    }
//-----------------------------------------------------------------------------------------------------------------------------------------
    public void DeleteUserAdmin(String rfc){
        try {
            conn = setConnection();
            String SQL = "DELETE FROM users WHERE rfc = ? ";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, rfc);
            int i = ps.executeUpdate();
            if (i > 0) {
                JOptionPane.showMessageDialog(
                    null, "Usuario eliminado correctamente.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                JOptionPane.showMessageDialog(
                    null, "Error al eliminar el usuario.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }

    public void DeleteCarPurchase(int serial_number){
        try {
            conn = setConnection();
            String SQL = "DELETE FROM car WHERE serial_number = ? ";
            ps = conn.prepareStatement(SQL);
            ps.setInt(1, serial_number);
            int i = ps.executeUpdate();
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }
//-------------------------------------------------------------------------------------------------------------------------------------------
    public void ModifyUserData(int id, String name, String email, String rfc, String user, String pass, String age){
        try {
            conn = setConnection();
            String SQL = "UPDATE users SET name = ?, email = ?, rfc = ?, user = ?, pass = ?, age = ? WHERE id = ?";
            ps = conn.prepareStatement(SQL);
            ps.setString(1, name);
            ps.setString(2, email);
            ps.setString(3, rfc);
            ps.setString(4, user);
            ps.setString(5, pass);
            ps.setString(6, age);
            ps.setInt(7, id);
            int i = ps.executeUpdate();
            if(i>0){
                JOptionPane.showMessageDialog(
                    null, "Datos Guardados.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                JOptionPane.showMessageDialog(
                    null, "Error al guardar los datos.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
```

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        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }

    public void ModifyUserDataAdmin(String rfc,int state, String name, String email, String rfcNew, String user, String pass, String age){
        try {
            conn = setConnection();
            String SQL = "UPDATE users SET state = ?, name = ?, email = ?, rfc = ?, user = ?, pass = ?, age = ? WHERE rfc = ?";
            ps = conn.prepareStatement(SQL);
            ps.setInt(1, state);
            ps.setString(2, name);
            ps.setString(3, email);
            ps.setString(4, rfcNew);
            ps.setString(5, user);
            ps.setString(6, pass);
            ps.setString(7, age);
            ps.setString(8, rfc);
            int i = ps.executeUpdate();
            if(i>0){
                JOptionPane.showMessageDialog(
                    null, "Datos Guardados.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                JOptionPane.showMessageDialog(
                    null, "Error al guardar los datos.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }

    public void ModifyUserDataAdminFilter(int select, String value){
        String txtSql = null;
        switch(select){
            case 1:
                txtSql =  "UPDATE users SET state = ? WHERE rfc = ?";
                break;
            case 2:
                txtSql =  "UPDATE users SET name = ? WHERE rfc = ?";
                break;
            case 3:
                txtSql =  "UPDATE users SET email = ? WHERE rfc = ?";
                break;
            case 4:
                txtSql =  "UPDATE users SET rfc = ? WHERE id = ?";
                break;
            case 5:
                txtSql =  "UPDATE users SET user = ? WHERE id = ?";
                break;
            case 6:
                txtSql =  "UPDATE users SET pass = ? WHERE id = ?";
                break;
            case 7:
                txtSql =  "UPDATE users SET age = ? WHERE id = ?";
                break;
        }
        try {
            conn = setConnection();
            String SQL = txtSql;
            ps = conn.prepareStatement(SQL);
            ps.setString(1, value);
            int i = ps.executeUpdate();
            if(i>0){
                JOptionPane.showMessageDialog(
                    null, "Datos Guardados.",
                    "", JOptionPane.DEFAULT_OPTION, icon);
            } else {
                JOptionPane.showMessageDialog(
                    null, "Datos Guardados.",
                    "", JOptionPane.ERROR_MESSAGE);
            }
        } catch (HeadlessException | SQLException e) {
            System.out.println("Error: "+e);
        }
    }

  //---------------------------------------------------------------------------------------------------------------------------------------------
    //sergio

    public void pdfCreateTableSales(String url, int select, String value) {
        String txtSql, filter;
        switch(select){
            case 1:
                txtSql = "SELECT * FROM sales WHERE id LIKE " + "'" + value + "%" + "'";
                filter = "ID";
                break;
            case 2:
                txtSql = "SELECT * FROM sales WHERE folio LIKE " + "'" + value + "%" + "'";
                filter = "FOLIO";
                break;
            case 3:
                txtSql = "SELECT * FROM sales WHERE name LIKE " + "'" + value + "%" + "'";
                filter = "NOMBRE";
                break;
            case 4:
                txtSql = "SELECT * FROM sales WHERE model LIKE " + '"' + value + "%" + '"';
                filter = "MODELO";
                break;
            case 5:
                txtSql = "SELECT * FROM sales WHERE serial_number LIKE " + '"' + value + "%" + '"';
                filter = "N° SERIE";
                break;
            case 6:
                txtSql = "SELECT * FROM sales WHERE price_car LIKE " + '"' + value + "%" + '"';
                filter = "PRECIO";
                break;
            case 7:
                txtSql = "SELECT * FROM sales WHERE additional LIKE " + '"' + value + "%" + '"';
                filter = "EXTRAS";
                break;
            case 8:
                txtSql = "SELECT * FROM sales WHERE price_additional LIKE " + '"' + value + "%" + '"';
                filter = "PRECIO EXTRA";
                break;
            case 9:
                txtSql = "SELECT * FROM sales WHERE price_total LIKE " + '"' + value + "%" + '"';
                filter = "PRECIO TOTAL";
                break;
            case 10:
                txtSql = "SELECT * FROM sales WHERE type_payment LIKE " + '"' + value + "%" + '"';
                filter = "SIN FILTRO";
                break;
            default:
                txtSql = "SELECT * FROM sales ";
                filter = "";
                break;
        }

        try{
            conn = setConnection();
            Statement ps = conn.createStatement();
            ResultSet rs = ps.executeQuery(txtSql);

            OutputStream file = null;
                try {
                    file = new FileOutputStream(new File(url+".pdf"));
                } catch (FileNotFoundException ex) {
                    System.out.println(ex);
                }

            Document document = new Document();
            PdfWriter.getInstance(document, file);

            document.open();
            PdfPTable table = new PdfPTable(9);
            Paragraph p = new Paragraph("LISTA DE VENTAS DE PRODUCTOS ("+filter+")\n\n", FontFactory.getFont("Arial",16,Font.ITALIC,BaseColor.BLUE));

            p.setAlignment(Element.ALIGN_CENTER);
            document.add(p);
            document.add(new Paragraph(""));

            float[] size ={3.30f,3.50f,3.50f,3.70f,3.70f,3.50f,3.70f,3.70f,3.50f};

            table.setWidths(size);
            table.addCell(new Paragraph("ID", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("FOLIO", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("MODELO", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("N° SERIAL", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("PRECIO", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("EXTRAS", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("PRECIO EXTRA", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("TOTAL", FontFactory.getFont("Arial",12)));
            table.addCell(new Paragraph("TIPO DE PAGO", FontFactory.getFont("Arial",12)));

            while (rs.next()){
                table.addCell(new Paragraph(rs.getString("id"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("folio"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("model"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("serial_number"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("price_car"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("additional"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("price_additional"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("price_total"), FontFactory.getFont("Arial",10)));
                table.addCell(new Paragraph(rs.getString("type_payment"), FontFactory.getFont("Arial",10)));
```

```java
            }

            document.add(table);
            document.close();
            file.close();

        } catch (SQLException e){
              System.out.println(e);
        } catch (DocumentException ex) {
                System.out.println(ex);
        } catch (IOException ex) {
                System.out.println(ex);
        }

        try{
            File file = new File(url+".pdf");
            Desktop.getDesktop().open(file);
        } catch (IOException e){
            System.out.println(e);
        }

    }


    public void pdfCreateTableInventory(String url, int select, String value) {
        String txtSql, filter;
        switch(select){
            case 1:
                txtSql = "SELECT * FROM car WHERE id LIKE " + '"' + value + "%" + '"';
                filter = "ID";
                break;
            case 2:
                txtSql = "SELECT * FROM car WHERE company LIKE " + '"' + value + "%" + '"';
                filter = "COMPAÑIA";
                break;
            case 3:
                txtSql = "SELECT * FROM car WHERE model LIKE " + '"' + value + "%" + '"';
                filter = "MODELO";
                break;
            case 4:
                txtSql = "SELECT * FROM car WHERE serial_number LIKE " + '"' + value + "%" + '"';
                filter = "N° SERIE";
                break;
            case 5:
                txtSql = "SELECT * FROM car WHERE color LIKE " + '"' + value + "%" + '"';
                filter = "COLOR";
                break;
            case 6:
                txtSql = "SELECT * FROM car WHERE state LIKE " + '"' + value + "%" + '"';
                filter = "ESTADO";
                break;
            case 7:
                txtSql = "SELECT * FROM car WHERE price LIKE " + '"' + value + "%" + '"';
                filter = "PRECIO";
                break;
            case 8:
                txtSql = "SELECT * FROM car WHERE country LIKE " + '"' + value + "%" + '"';
                filter = "PAIS";
                break;
            case 9:
                txtSql = "SELECT * FROM car WHERE horsepower LIKE " + '"' + value + "%" + '"';
                filter = "HP";
                break;
            case 10:
                txtSql = "SELECT * FROM car WHERE car_registration LIKE " + '"' + value + "%" + '"';
                filter = "PLACAS";
                break;
            case 11:
                txtSql = "SELECT * FROM car WHERE mileage LIKE " + '"' + value + "%" + '"';
                filter = "KILOMETRAJE";
                break;
            default:
                txtSql = "SELECT * FROM car ";
                filter = "SIN FILTRO";
                break;
        }
        try{
            conn = setConnection();
            Statement ps = conn.createStatement();
            ResultSet rs = ps.executeQuery(txtSql);

            OutputStream file = null;
            try {
                        file = new FileOutputStream(new File(url+".pdf"));
                    } catch (FileNotFoundException ex) {
                        System.out.println(ex);
                    }

                    Document document = new Document(PageSize.A4.rotate());
                    PdfWriter.getInstance(document, file);

                    document.open();
                    PdfPTable table = new PdfPTable(11);
                    Paragraph p = new Paragraph("LISTA DE INVENTARIO DE VEHICULOS ("+filter+")\n\n", FontFactory.getFont("Arial",16,Font.ITALIC,BaseColor.BLUE));

                    p.setAlignment(Element.ALIGN_CENTER);
                    document.add(p);

```

```
                        document.add(new Paragraph(""));

                        float[] size ={3.30f,3.50f,3.50f,3.70f,3.70f,3.50f,3.70f,3.70f,3.50f,3.70f,3.50f};
                        table.setWidths(size);
                        table.addCell(new Paragraph("ID", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("COMPAÑIA", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("MODELO", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("N° SERIE", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("COLOR", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("ESTADO", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("PRECIO", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("PAIS", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("HP", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("PLACAS", FontFactory.getFont("Arial",12)));
                        table.addCell(new Paragraph("KILOMETRAJE", FontFactory.getFont("Arial",12)));

                        while (rs.next()){
                            table.addCell(new Paragraph(rs.getString("id"), FontFactory.getFont("Arial",10)));
                            table.addCell(new Paragraph(rs.getString("company"), FontFactory.getFont("Arial",10)));
                            table.addCell(new Paragraph(rs.getString("model"), FontFactory.getFont("Arial",10)));
                            table.addCell(new Paragraph(rs.getString("serial_number"), FontFactory.getFont("Arial",10)));
                            String color = "";
                            switch(rs.getInt(5)){
                                case 1:
                                    color = "BLANCO";
                                    break;
                                case 2:
                                    color = "ROJO";
                                    break;
                                case 3:
                                    color = "NARANJA";
                                    break;
                                case 4:
                                    color = "AMARILLO";
                                    break;
                                case 5:
                                    color = "VERDE";
                                    break;
```

```
                case 6:
                    color = "AZUL";
                    break;
                case 7:
                    color = "GRIS";
                    break;
            }
            String state = "";
            switch(rs.getInt(6)){
                case 0:
                    state = "NUEVO";
                    break;
                case 1:
                    state = "SEMINUEVO";
                    break;
                case 2:
                    state = "USADO";
                    break;
            }
            table.addCell(new Paragraph(color, FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(state, FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(rs.getString("price"), FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(rs.getString("country"), FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(rs.getString("horsepower"), FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(rs.getString("car_registration"), FontFactory.getFont("Arial",10)));
            table.addCell(new Paragraph(rs.getString("mileage"), FontFactory.getFont("Arial",10)));
        }

        document.add(table);
        document.close();
        file.close();
    } catch (SQLException e){
            System.out.println(e);
    } catch (DocumentException ex) {
            System.out.println(ex);
    } catch (IOException ex) {
            System.out.println(ex);
    }

    try{
        File file = new File(url+".pdf");
        Desktop.getDesktop().open(file);
    } catch (IOException e){
        System.out.println(e);
    }
}
```

```java

    public void pdfCreateTableUsers(String url) {
        try{
            conn = setConnection();
            Statement ps = conn.createStatement();
            ResultSet rs = ps.executeQuery("SELECT * FROM users;");

            OutputStream file = null;
                try {
                    file = new FileOutputStream(new File(url+".pdf"));
                } catch (FileNotFoundException ex) {
                    System.out.println(ex);
                }

            Document document = new Document();
            PdfWriter.getInstance(document, file);

            document.open();
            PdfPTable tabla = new PdfPTable(8);
            Paragraph p = new Paragraph("LISTA DE USUARIOS \n\n", FontFactory.getFont("Arial",16,Font.ITALIC,BaseColor.BLUE));

            p.setAlignment(Element.ALIGN_CENTER);
            document.add(p);

            document.add(new Paragraph(""));
            float[] size ={2.00f, 4.90f, 3.50f, 3.70f, 3.70f, 3.50f, 3.70f, 3.90f};

            tabla.setWidths(size);
            tabla.addCell(new Paragraph("id", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("state", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("name", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("email", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("rfc", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("user", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("pass", FontFactory.getFont("Arial",12)));
            tabla.addCell(new Paragraph("age", FontFactory.getFont("Arial",12)));

            while (rs.next()){
                tabla.addCell(new Paragraph(rs.getString(1), FontFactory.getFont("Arial",10)));
                String state = "";
                switch(rs.getInt(2)){
                    case 0:
                        state = "usuario";
                        break;
                    case 1:
                        state = "administrador";
                        break;
                }
                tabla.addCell(new Paragraph(state, FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("name"), FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("email"), FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("rfc"), FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("user"), FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("pass"), FontFactory.getFont("Arial",10)));
                tabla.addCell(new Paragraph(rs.getString("age"), FontFactory.getFont("Arial",10)));
            }

            document.add(tabla);
            document.close();
            file.close();

        } catch (SQLException e){
              System.out.println(e);
        } catch (DocumentException ex) {
                System.out.println(ex);
        } catch (IOException ex) {
                System.out.println(ex);
        }

        try{
            File file = new File(url+".pdf");
            Desktop.getDesktop().open(file);
        } catch (IOException e){
            System.out.println(e);
        }

    }
//-------------------------------------------------------------------------------------------------------------------------------------------

}
```

MyIcon

```
  package code;

import java.awt.Component;
import java.awt.Graphics;
import java.awt.Image;
import javax.swing.Icon;
import javax.swing.ImageIcon;
```

```java

public class MyIcon implements Icon{

    @Override
    public void paintIcon(Component c, Graphics g, int x, int y) {
        Image image = new ImageIcon(getClass().getResource("/resource/ready-on.png")).getImage();
        g.drawImage(image, x, y, c);
    }

    @Override
    public int getIconWidth() {
        return 50;
    }

    @Override
    public int getIconHeight() {
        return 50;
    }

}
```

UsersEntity

```java
package code;

public class UsersEntity {
    private int id;
    private int state;
    private String name;
    private String email;
    private String rfc;
    private String user;
    private String pass;
    private String age;

    public UsersEntity(){

    }

    public UsersEntity(int id, int state, String name, String email, String rfc, String user, String pass){
        this.id = id;
        this.state = state;
        this.name = name;
        this.email = email;
        this.rfc = rfc;
        this.user = user;
        this.pass = pass;
    }

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    public int getState() {
        return state;
    }

    public void setState(int state) {
        this.state = state;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public String getRfc() {
        return rfc;
    }

    public void setRfc(String rfc) {
        this.rfc = rfc;
    }

    public String getUser() {
        return user;
    }

    public void setUser(String user) {
        this.user = user;
    }

    public String getPass() {
        return pass;
    }

    public void setPass(String pass) {
        this.pass = pass;
    }

    public String getAge() {
        return age;
    }

    public void setAge(String age) {
        this.age = age;
    }





}
```

Main

```
package main;

import code.ConnectionSQL;
import java.sql.Connection;
import view.Menu;

public class Main {

    public static ConnectionSQL conn;
    public static Connection reg;


    public static void main(String[] args) {
       Menu.main(args);
       Main main = new Main();
    }

    public Main(){
        conn = new ConnectionSQL();
        reg = conn.getConection();
    }

}
```

Login

```
package view;

import code.MethodsSQL;
import code.UsersEntity;
import java.awt.Color;
import javax.swing.JOptionPane;
import view.admin.MenuAdmin;
import view.user.MenuUser;

public class Login extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    public static UsersEntity userEntity = new UsersEntity();

    public Login() {
        initComponents();
        setTitle("Car Agency");
        setLocationRelativeTo(null);
    }



    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        a1 = new javax.swing.JPanel();
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JPasswordField();
        btnLogin = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        a1.setBackground(new java.awt.Color(128, 153, 155));
        a1.setPreferredSize(new java.awt.Dimension(400, 600));

        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtUser.setForeground(new java.awt.Color(0, 0, 0));
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtUserKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });

        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPass.setForeground(new java.awt.Color(0, 0, 0));
        txtPass.setToolTipText("");
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPassKeyReleased(evt);
            }
```

```java
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });

        btnLogin.setBackground(new java.awt.Color(255, 255, 255));
        btnLogin.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnLogin.setText("Conectar");
        btnLogin.setEnabled(false);
        btnLogin.setPreferredSize(new java.awt.Dimension(150, 60));
        btnLogin.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                btnLoginMouseClicked(evt);
            }
        });
        btnLogin.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnLoginActionPerformed(evt);
            }
        });

        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/login.png"))); // NOI18N

        jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(0, 0, 0));
        jLabel2.setText("Contraseña");

        jLabel3.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(0, 0, 0));
        jLabel3.setText("Usuario");

        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel4.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel4MouseClicked(evt);
            }
        });

        javax.swing.GroupLayout a1Layout = new javax.swing.GroupLayout(a1);
        a1.setLayout(a1Layout);
        a1Layout.setHorizontalGroup(
            a1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, a1Layout.createSequentialGroup()
                .addGroup(a1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, a1Layout.createSequentialGroup()
                        .addGap(72, 72, 72)
                        .addGroup(a1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(txtPass)
                            .addComponent(txtUser)
                            .addComponent(jLabel3)
                            .addComponent(jLabel2)))
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, a1Layout.createSequentialGroup()
                        .addComponent(jLabel4)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jLabel1)
                        .addGap(0, 0, Short.MAX_VALUE)))
                .addGap(66, 66, 66))
            .addGroup(a1Layout.createSequentialGroup()
                .addGap(124, 124, 124)
                .addComponent(btnLogin, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        a1Layout.setVerticalGroup(
            a1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(a1Layout.createSequentialGroup()
                .addGroup(a1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 66, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(a1Layout.createSequentialGroup()
                        .addGap(15, 15, 15)
                        .addComponent(jLabel1)))
                .addGap(18, 18, 18)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```java
                .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, 48, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, 45, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(btnLogin, javax.swing.GroupLayout.PREFERRED_SIZE, 60, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(62, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(a1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(a1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    }// </editor-fold>

    private void btnLoginMouseClicked(java.awt.event.MouseEvent evt) {

    }

    private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
            this.setVisible(false);
            Menu menu = new Menu();
            menu.setVisible(true);
            dispose();
    }

    private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {
        int c = evt.getKeyChar();
        if((c<48 || c>57) && (c<64 || c>90) && (c<97 || c>122)) evt.consume();
        if(txtUser.getText().length()>=12) evt.consume();
        txtUser.setForeground(Color.BLACK);
    }

    private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtPass.getText().length()>=12) evt.consume();
        txtPass.setForeground(Color.BLACK);
    }

    private void btnLoginActionPerformed(java.awt.event.ActionEvent evt) {
        txtValidate();
    }

    private void txtUserKeyReleased(java.awt.event.KeyEvent evt) {
        btnValidate();
    }

    private void txtPassKeyReleased(java.awt.event.KeyEvent evt) {
        btnValidate();
    }

    public void txtValidate(){
        String user = txtUser.getText().toLowerCase();
        String pass = txtPass.getText().toLowerCase();
        if(methodsSql.ValidateUser(user)){
            userEntity = methodsSql.Login(user, pass);
            if(userEntity.getPass() == null){
                txtPass.setForeground(Color.RED);
                JOptionPane.showMessageDialog(this, "CONTRASEÑA INCORRECTA", "",
                    JOptionPane.WARNING_MESSAGE);
                txtPass.requestFocus();
            } else {

                if(userEntity.getState() == 1){
                    this.setVisible(false);
                    MenuAdmin menu = new MenuAdmin();
                    menu.setVisible(true);
                    dispose();
                }
                if(userEntity.getState() == 0){
                    this.setVisible(false);
                    MenuUser menu = new MenuUser();
                    menu.setVisible(true);
                    dispose();
                }
            }
        } else {
            txtUser.setForeground(Color.RED);
            txtPass.setForeground(Color.RED);
            JOptionPane.showMessageDialog(
                    this, "USUARIO INCORRECTO O NO REGISTRADO", "",
                    JOptionPane.WARNING_MESSAGE);
            txtUser.requestFocus();
        }
    }

    private void btnValidate(){
        if(txtUser.getText().isEmpty() || txtPass.getText().isEmpty()){
            btnLogin.setEnabled(false);
        } else {
            btnLogin.setEnabled(true);
        }
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Login().setVisible(true);

            }

        });
    }

    // Variables declaration - do not modify
    private javax.swing.JPanel a1;
    private javax.swing.JButton btnLogin;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPasswordField txtPass;
    private javax.swing.JTextField txtUser;
    // End of variables declaration
}
```

Menu

```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view;

/**
 *
 * @author serk9
 */
public class Menu extends javax.swing.JFrame {

    public Menu() {
        initComponents();
        setTitle("Car Agency");
        setLocationRelativeTo(null);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jButton4 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        btnStart = new javax.swing.JPanel();
        l2 = new javax.swing.JLabel();
        btnRegister = new javax.swing.JPanel();
        l3 = new javax.swing.JLabel();

        jButton4.setText("registrarse");

        jButton3.setText("iniciar ");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setFocusCycleRoot(false);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setForeground(new java.awt.Color(0, 51, 204));
        jPanel1.setPreferredSize(new java.awt.Dimension(400, 600));

        jLabel1.setBackground(new java.awt.Color(0, 0, 0));
        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 48)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("Bienvenido ");
        jLabel1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mousePressed(java.awt.event.MouseEvent evt) {
                jLabel1MousePressed(evt);
            }
        });

        btnStart.setBackground(new java.awt.Color(128, 153, 155));
        btnStart.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
        btnStart.setForeground(new java.awt.Color(128, 153, 155));

        l2.setBackground(new java.awt.Color(0, 0, 0));
        l2.setFont(new java.awt.Font("Times New Roman", 0, 48)); // NOI18N
        l2.setForeground(new java.awt.Color(255, 255, 255));
        l2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```java
        l2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/enter.png"))); // NOI18N
        l2.setText("  Iniciar");
        l2.setToolTipText("");
        l2.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mousePressed(java.awt.event.MouseEvent evt) {
                l2MousePressed(evt);
            }
        });

        javax.swing.GroupLayout btnStartLayout = new javax.swing.GroupLayout(btnStart);
        btnStart.setLayout(btnStartLayout);
        btnStartLayout.setHorizontalGroup(
            btnStartLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(l2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        btnStartLayout.setVerticalGroup(
            btnStartLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(l2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, 78, Short.MAX_VALUE)
        );

        btnRegister.setBackground(new java.awt.Color(128, 153, 155));
        btnRegister.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        l3.setBackground(new java.awt.Color(0, 0, 0));
        l3.setFont(new java.awt.Font("Times New Roman", 0, 48)); // NOI18N
        l3.setForeground(new java.awt.Color(255, 255, 255));
        l3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        l3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/register.png"))); // NOI18N
        l3.setText("  Registrarse");
        l3.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mousePressed(java.awt.event.MouseEvent evt) {
                l3MousePressed(evt);
            }
        });

        javax.swing.GroupLayout btnRegisterLayout = new javax.swing.GroupLayout(btnRegister);
        btnRegister.setLayout(btnRegisterLayout);
        btnRegisterLayout.setHorizontalGroup(
            btnRegisterLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(btnRegisterLayout.createSequentialGroup()
                .addComponent(l3, javax.swing.GroupLayout.PREFERRED_SIZE, 328, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 22, Short.MAX_VALUE))
        );
        btnRegisterLayout.setVerticalGroup(
            btnRegisterLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(l3, javax.swing.GroupLayout.DEFAULT_SIZE, 86, Short.MAX_VALUE)
        );

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(26, 26, 26)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(btnRegister, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(btnStart, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(0, 0, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addGap(58, 58, 58)
                .addComponent(jLabel1)
                .addGap(85, 85, 85)
                .addComponent(btnStart, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                .addGap(54, 54, 54)
                .addComponent(btnRegister, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>


    private void l3MousePressed(java.awt.event.MouseEvent evt) {
            this.setVisible(false);
            Register reg = new Register();
            reg.setVisible(true);
            dispose();
    }

    private void jLabel1MousePressed(java.awt.event.MouseEvent evt) {

    }

    private void l2MousePressed(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        Login login = new Login();
        login.setVisible(true);
        dispose();

    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Menu().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JPanel btnRegister;
    private javax.swing.JPanel btnStart;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JLabel l2;
    private javax.swing.JLabel l3;
    // End of variables declaration
}
```

ModifyUser

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view;

import code.MethodsSQL;
import java.awt.Color;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.ImageIcon;
import view.admin.MenuAdmin;
import view.user.MenuUser;


/**
 *
 * @author Restf
 */
public class ModifyUser extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2, check3, check4, check5;

    public ModifyUser() {
        initComponents();
        setLocationRelativeTo(null);
        String STATE = null;
        if(Login.userEntity.getState()==1){
            STATE = "Administrador";
            txtStateNew.setText(STATE);
        } else {
            STATE = "Usuario";
            txtStateNew.setText(STATE);
        }
        setTitle("Car Agency - Editar datos de "+STATE+" - [ "+Login.userEntity.getName()+" ]");
        txtId.setText(Integer.toString(Login.userEntity.getId()));
        txtState.setText(STATE);
        txtName.setText(Login.userEntity.getName());
        txtEmail.setText(Login.userEntity.getEmail());
```

```java
        txtRFC.setText(Login.userEntity.getRfc());
        txtUser.setText(Login.userEntity.getUser());
        txtPass.setText(Login.userEntity.getPass());
        txtAge.setText(Login.userEntity.getAge());
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        txtId = new javax.swing.JTextField();
        txtState = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        txtEmail = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtAge = new javax.swing.JTextField();
        txtRFC = new javax.swing.JTextField();
        jLabel10 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel12 = new javax.swing.JLabel();
        txtIdNew = new javax.swing.JTextField();
        txtStateNew = new javax.swing.JTextField();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        txtNameNew = new javax.swing.JTextField();
        txtEmailNew = new javax.swing.JTextField();
        jLabel15 = new javax.swing.JLabel();
        jLabel16 = new javax.swing.JLabel();
        txtUserNew = new javax.swing.JTextField();
        txtPassNew = new javax.swing.JTextField();
        jLabel17 = new javax.swing.JLabel();
        txtRFCNew = new javax.swing.JTextField();
        jLabel19 = new javax.swing.JLabel();
        txtAgeNew = new com.toedter.calendar.JDateChooser();
        jLabel18 = new javax.swing.JLabel();
        btnSave = new javax.swing.JButton();
        jPanel5 = new javax.swing.JPanel();
        UserLabel = new javax.swing.JLabel();
        jSeparator1 = new javax.swing.JSeparator();
        iconUserExist = new javax.swing.JLabel();
        iconUserCharacter = new javax.swing.JLabel();
        UserLabel1 = new javax.swing.JLabel();
        jSeparator2 = new javax.swing.JSeparator();
        iconRFCExist = new javax.swing.JLabel();
        iconRFCChracter = new javax.swing.JLabel();
        iconEmailValidate = new javax.swing.JLabel();
        jSeparator3 = new javax.swing.JSeparator();
        UserLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(1280, 720));
        jPanel1.setLayout(null);

        jLabel4.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(0, 0, 0));
        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel4.setText("VOLVER");
        jLabel4.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel4MouseClicked(evt);
            }
        });
        jPanel1.add(jLabel4);
        jLabel4.setBounds(6, 6, 174, 66);

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-edit-on.png"))); // NOI18N
        jLabel1.setText("EDITAR DATOS DE USUARIO");
        jLabel1.setToolTipText("");
        jPanel1.add(jLabel1);
        jLabel1.setBounds(299, 14, 641, 134);

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "DATOS ACTUALES", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        jLabel2.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("ID");

        txtId.setBackground(new java.awt.Color(255, 255, 255));
        txtId.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtId.setForeground(new java.awt.Color(255, 255, 255));
        txtId.setEnabled(false);
        txtId.setPreferredSize(new java.awt.Dimension(220, 40));
        txtId.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtIdActionPerformed(evt);
            }
        });
        txtId.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtIdKeyTyped(evt);
            }
        });

        txtState.setBackground(new java.awt.Color(255, 255, 255));
        txtState.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtState.setForeground(new java.awt.Color(51, 51, 51));
        txtState.setEnabled(false);
        txtState.setPreferredSize(new java.awt.Dimension(220, 40));
        txtState.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtStateActionPerformed(evt);
            }
        });
        txtState.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtStateKeyTyped(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("ESTADO");

        jLabel5.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("NOMBRE");

        txtName.setBackground(new java.awt.Color(255, 255, 255));
        txtName.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtName.setForeground(new java.awt.Color(51, 51, 51));
        txtName.setEnabled(false);
        txtName.setPreferredSize(new java.awt.Dimension(220, 40));
        txtName.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtNameActionPerformed(evt);
            }
        });
        txtName.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameKeyTyped(evt);
            }
        });

        txtEmail.setBackground(new java.awt.Color(255, 255, 255));
        txtEmail.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtEmail.setForeground(new java.awt.Color(51, 51, 51));
        txtEmail.setEnabled(false);
        txtEmail.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmail.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtEmailActionPerformed(evt);
            }
        });
        txtEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailKeyTyped(evt);
            }
        });

        jLabel6.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("CORREO");

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("USUARIO");

        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtUser.setForeground(new java.awt.Color(51, 51, 51));
        txtUser.setEnabled(false);
        txtUser.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUser.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtUserActionPerformed(evt);
            }
        });
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });

        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPass.setForeground(new java.awt.Color(51, 51, 51));
        txtPass.setEnabled(false);
        txtPass.setPreferredSize(new java.awt.Dimension(220, 40));
        txtPass.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtPassActionPerformed(evt);
            }
        });
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("CONTRASEÑA");

        jLabel9.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("EDAD");

        txtAge.setBackground(new java.awt.Color(255, 255, 255));
        txtAge.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtAge.setForeground(new java.awt.Color(51, 51, 51));
        txtAge.setEnabled(false);
        txtAge.setPreferredSize(new java.awt.Dimension(220, 40));
        txtAge.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtAgeActionPerformed(evt);
            }
        });
        txtAge.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtAgeKeyTyped(evt);
            }
        });

        txtRFC.setBackground(new java.awt.Color(255, 255, 255));
        txtRFC.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtRFC.setForeground(new java.awt.Color(51, 51, 51));
        txtRFC.setEnabled(false);
        txtRFC.setPreferredSize(new java.awt.Dimension(220, 40));
        txtRFC.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtRFCActionPerformed(evt);
            }
        });
        txtRFC.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtRFCKeyTyped(evt);
            }
        });

        jLabel10.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(255, 255, 255));
        jLabel10.setText("RFC");

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel10)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(txtRFC, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel7)
                        .addGap(70, 70, 70)
                        .addComponent(txtUser, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```java
.addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                              .addComponent(jLabel8)
                              .addComponent(jLabel9))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                              .addComponent(txtAge, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                              .addComponent(txtPass, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel2Layout.createSequentialGroup()
                          .addComponent(jLabel6)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                          .addComponent(txtEmail, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel2Layout.createSequentialGroup()
                          .addComponent(jLabel5)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                          .addComponent(txtName, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                          .addComponent(jLabel2)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                          .addComponent(txtId, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                          .addComponent(jLabel3)
                          .addGap(80, 80, 80)
```

```
                        .addComponent(txtState, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(16, Short.MAX_VALUE))
        );
        jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(14, 14, 14)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtId, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(txtState, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel6)
                    .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel10)
                    .addComponent(txtRFC, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel7)
                    .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel8)
                    .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel9)
                    .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

        jPanel1.add(jPanel2);
        jPanel2.setBounds(338, 175, 444, 413);

        jPanel3.setBackground(new java.awt.Color(128, 153, 155));
        jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "DATOS NUEVIOS", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        jLabel12.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel12.setForeground(new java.awt.Color(255, 255, 255));
        jLabel12.setText("ID");

        txtIdNew.setBackground(new java.awt.Color(255, 255, 255));
```

```java
        txtIdNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtIdNew.setForeground(new java.awt.Color(51, 51, 51));
        txtIdNew.setEnabled(false);
        txtIdNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtIdNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtIdNewActionPerformed(evt);
            }
        });
        txtIdNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtIdNewKeyTyped(evt);
            }
        });

        txtStateNew.setBackground(new java.awt.Color(255, 255, 255));
        txtStateNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtStateNew.setForeground(new java.awt.Color(51, 51, 51));
        txtStateNew.setEnabled(false);
        txtStateNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtStateNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtStateNewActionPerformed(evt);
            }
        });
        txtStateNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtStateNewKeyTyped(evt);
            }
        });

        jLabel13.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel13.setForeground(new java.awt.Color(255, 255, 255));
        jLabel13.setText("ESTADO");

        jLabel14.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel14.setForeground(new java.awt.Color(255, 255, 255));
        jLabel14.setText("NOMBRE");

        txtNameNew.setBackground(new java.awt.Color(255, 255, 255));
        txtNameNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtNameNew.setForeground(new java.awt.Color(102, 102, 102));
        txtNameNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtNameNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtNameNewActionPerformed(evt);
            }
        });
        txtNameNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtNameNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameNewKeyTyped(evt);
            }
        });

        txtEmailNew.setBackground(new java.awt.Color(255, 255, 255));
        txtEmailNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtEmailNew.setForeground(new java.awt.Color(102, 102, 102));
        txtEmailNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmailNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtEmailNewActionPerformed(evt);
            }
        });
        txtEmailNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtEmailNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailNewKeyTyped(evt);
            }
        });

        jLabel15.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel15.setForeground(new java.awt.Color(255, 255, 255));
        jLabel15.setText("CORREO");

        jLabel16.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel16.setForeground(new java.awt.Color(255, 255, 255));
        jLabel16.setText("USUARIO");

        txtUserNew.setBackground(new java.awt.Color(255, 255, 255));
        txtUserNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtUserNew.setForeground(new java.awt.Color(102, 102, 102));
        txtUserNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUserNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtUserNewActionPerformed(evt);
            }
        });
        txtUserNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtUserNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserNewKeyTyped(evt);
            }
        });

        txtPassNew.setBackground(new java.awt.Color(255, 255, 255));
        txtPassNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPassNew.setForeground(new java.awt.Color(102, 102, 102));
        txtPassNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtPassNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtPassNewActionPerformed(evt);
            }
        });
        txtPassNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPassNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassNewKeyTyped(evt);
            }
        });

        jLabel17.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel17.setForeground(new java.awt.Color(255, 255, 255));
        jLabel17.setText("CONTRASEÑA");

        txtRFCNew.setBackground(new java.awt.Color(255, 255, 255));
        txtRFCNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtRFCNew.setForeground(new java.awt.Color(102, 102, 102));
        txtRFCNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtRFCNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtRFCNewActionPerformed(evt);
            }
        });
        txtRFCNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtRFCNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtRFCNewKeyTyped(evt);
            }
        });

        jLabel19.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel19.setForeground(new java.awt.Color(255, 255, 255));
        jLabel19.setText("RFC");

        txtAgeNew.setBackground(new java.awt.Color(255, 255, 255));
        txtAgeNew.setToolTipText("");
        txtAgeNew.setDateFormatString("yyyy-mm-dd");
        txtAgeNew.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtAgeNew.setPreferredSize(new java.awt.Dimension(220, 40));
        txtAgeNew.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtAgeNewKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtAgeNewKeyTyped(evt);
            }
        });

        jLabel18.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel18.setForeground(new java.awt.Color(255, 255, 255));
        jLabel18.setText("EDAD");

        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(21, 21, 21)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()
                          .addComponent(jLabel18)
                          .addGap(113, 113, 113)
                          .addComponent(txtAgeNew,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING, false)
.addGroup(jPanel3Layout.createSequentialGroup()
                              .addComponent(jLabel19)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                              .addComponent(txtRFCNew,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
                                  .addComponent(jLabel16)
                                  .addGap(70, 70, 70)
                                  .addComponent(txtUserNew,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING, false)
.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel3Layout.createSequentialGroup()
                                      .addComponent(jLabel15)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                      .addComponent(txtEmailNew,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel3Layout.createSequentialGroup()
                                      .addComponent(jLabel14)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
                                    .addComponent(txtNameNew, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGroup(jPanel3Layout.createSequentialGroup()
                                    .addComponent(jLabel12)
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(txtIdNew, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addGroup(jPanel3Layout.createSequentialGroup()
                                    .addComponent(jLabel13)
                                    .addGap(80, 80, 80)
                                    .addComponent(txtStateNew, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGroup(jPanel3Layout.createSequentialGroup()
                                .addComponent(jLabel17)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                .addComponent(txtPassNew, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap(17, Short.MAX_VALUE))
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtIdNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel12))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel13)
```

```
                     .addComponent(txtStateNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel14)
                     .addComponent(txtNameNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel15)
                     .addComponent(txtEmailNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel19)
                     .addComponent(txtRFCNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel18)
                     .addComponent(txtAgeNew, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel16)
                     .addComponent(txtUserNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel17)
                    .addComponent(txtPassNew, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(61, 61, 61))
        );

        jPanel1.add(jPanel3);
        jPanel3.setBounds(788, 175, 448, 413);

        btnSave.setBackground(new java.awt.Color(255, 255, 255));
        btnSave.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnSave.setText("ACTUALIZAR");
        btnSave.setEnabled(false);
        btnSave.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSaveActionPerformed(evt);
            }
        });
        jPanel1.add(btnSave);
        btnSave.setBounds(660, 610, 245, 68);

        jPanel5.setBackground(new java.awt.Color(128, 153, 155));
        jPanel5.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

        UserLabel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel.setText("USUARIO");
        UserLabel.setFocusable(false);

        iconUserExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserExist.setForeground(new java.awt.Color(255, 255, 255));
        iconUserExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserExist.setText(" » Usuario no existente");
        iconUserExist.setFocusable(false);

        iconUserCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconUserCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserCharacter.setText(" » Minimo 8 caracteres");
        iconUserCharacter.setFocusable(false);

        UserLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel1.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel1.setText("RFC");
        UserLabel1.setFocusable(false);

        iconRFCExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCExist.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCExist.setText(" » RFC no registrado");
        iconRFCExist.setFocusable(false);

        iconRFCChracter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCChracter.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCChracter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCChracter.setText(" » Minimo 12 caracteres");
        iconRFCChracter.setFocusable(false);

        iconEmailValidate.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconEmailValidate.setForeground(new java.awt.Color(255, 255, 255));
        iconEmailValidate.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconEmailValidate.setText(" » Correo no valido");
        iconEmailValidate.setFocusable(false);

        UserLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel2.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel2.setText("CORREO");
        UserLabel2.setFocusable(false);

        javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
        jPanel5.setLayout(jPanel5Layout);
        jPanel5Layout.setHorizontalGroup(
            jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel5Layout.createSequentialGroup()
                .addGap(15, 15, 15)
```

```
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(UserLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 90, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(iconUserExist, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(iconUserCharacter, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(UserLabel1)))
             .addGroup(jPanel5Layout.createSequentialGroup()
                 .addContainerGap()
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(iconRFCExist, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(iconRFCChracter, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)))
             .addGroup(jPanel5Layout.createSequentialGroup()
                 .addContainerGap()
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(9, 9, 9)
                         .addComponent(UserLabel2))
                     .addComponent(iconEmailValidate, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)))
         );
         jPanel5Layout.setVerticalGroup(
             jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel5Layout.createSequentialGroup()
                 .addContainerGap()
                 .addComponent(UserLabel)
                 .addGap(2, 2, 2)
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(iconUserExist))
                     .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(2, 2, 2)
                 .addComponent(iconUserCharacter)
                 .addGap(18, 18, 18)
                 .addComponent(UserLabel1)
                 .addGap(2, 2, 2)
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(iconRFCExist))
                     .addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(2, 2, 2)
                 .addComponent(iconRFCChracter)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent(UserLabel2)
                 .addGap(2, 2, 2)
                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(iconEmailValidate))
                     .addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addContainerGap(20, Short.MAX_VALUE))
         );

         jPanel1.add(jPanel5);
         jPanel5.setBounds(25, 249, 307, 330);

         javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
         getContentPane().setLayout(layout);
         layout.setHorizontalGroup(
             layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
         );
```

```java
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }// </editor-fold>

    private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        if (Login.userEntity.getState() == 1) {
            MenuAdmin menu = new MenuAdmin();
            menu.setVisible(true); }
        if (Login.userEntity.getState() == 0) {
            MenuUser menu = new MenuUser();
            menu.setVisible(true); }
        dispose();
    }

    private void txtIdActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtIdKeyTyped(java.awt.event.KeyEvent evt) {

    }

    private void txtStateActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtStateKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtEmailActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtEmailKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUserActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtPassActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtAgeActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtAgeKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtIdNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtIdNewKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtStateNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtStateNewKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameNewKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtNameNew.getText().length()>=25) evt.consume();
    }

    private void txtEmailNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtEmailNewKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtEmailNew.getText().length()>=25) evt.consume();
    }

    private void txtUserNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUserNewKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtUserNew.getText().length()>=12) evt.consume();
    }

    private void txtPassNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtPassNewKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtPassNew.getText().length()>=12) evt.consume();
    }

    private void txtRFCActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtRFCKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtRFCNewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtRFCNewKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtRFCNew.getText().length()>=13) evt.consume();
    }

    private void txtAgeNewKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void btnSaveActionPerformed(java.awt.event.ActionEvent evt) {
        validateData();
        clear();
    }
```

```java

    private void txtRFCNewKeyReleased(java.awt.event.KeyEvent evt) {
        validateRFC();
        validateButton();
        Mayusculas(txtRFCNew);
        iconRFCExist.setForeground(Color.WHITE);
        iconRFCChracter.setForeground(Color.WHITE);
    }

    private void txtUserNewKeyReleased(java.awt.event.KeyEvent evt) {
        validateUser();
        validateButton();
        iconUserExist.setForeground(Color.WHITE);
        iconUserCharacter.setForeground(Color.WHITE);
    }

    private void txtNameNewKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtEmailNewKeyReleased(java.awt.event.KeyEvent evt) {
        check5 = isEmail(txtEmailNew.getText());
        if(check5){
            iconEmailValidate.setIcon(green);
            iconEmailValidate.setText("» Correo Valido");
        } else { iconEmailValidate.setIcon(red); }
        validateButton();
    }

    private void txtPassNewKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtAgeNewKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    public void validateData(){
        String name = txtNameNew.getText();
        String email = txtEmailNew.getText();
        String rfc = txtRFCNew.getText().toUpperCase();
        String user = txtUserNew.getText().toLowerCase();
        String pass = txtPassNew.getText().toLowerCase();
        if(check1 == true && check2 == true && check3 == true && check4 == true){
            int id = (int) (Math.random()*1500+1000);
            DateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
            String age = formatter.format(txtAgeNew.getDate());
            methodsSql.ModifyUserData(Login.userEntity.getId(), name, email, rfc, user, pass, age);
            Login.userEntity = methodsSql.Login(user, pass);
            this.setVisible(false);
            MenuUser menu = new MenuUser();
            menu.setVisible(true);
            dispose();
        }
    }

    public void validateUser(){
        if(methodsSql.ValidateUser(txtUserNew.getText())){
            iconUserExist.setText(" » Usuario ya existente");
            iconUserExist.setIcon(red);
            check1 = false;
        } else {
            iconUserExist.setText(" » Usuario no existente");
            iconUserExist.setIcon(green);
            check1 = true;
        }
        if(txtUserNew.getText().length() <= 8){
            iconUserCharacter.setText(" » Minimo 8 caracteres");
            iconUserCharacter.setIcon(red);
            check2 = false;
        } else {
            iconUserCharacter.setIcon(green);
            check2 = true;
        }
        if(txtUser.getText().equals("")){
            iconUserExist.setIcon(red);
            iconUserCharacter.setIcon(red);
        }
    }

    public void validateRFC(){
        if(methodsSql.ValidateRFC(txtRFCNew.getText())){
            iconRFCExist.setText(" » RFC ya registrado");
            iconRFCExist.setIcon(red);
            check3 = false;
        } else {
            iconRFCExist.setText(" » RFC no registrado");
            iconRFCExist.setIcon(green);
            check3 = true;
        }
        if(txtRFCNew.getText().length() < 12){
            iconRFCChracter.setText(" » Minimo 12 caracteres");
            iconRFCChracter.setIcon(red);
            check4 = false;
        } else {
            iconRFCChracter.setIcon(green);
            check4 = true;
        }
        if(txtRFC.getText().equals("")){
            iconRFCExist.setIcon(red);
            iconRFCChracter.setIcon(red);
        }
    }

    public void validateButton(){
        if(txtNameNew.getText().equals("") || txtEmailNew.getText().equals("") ||
           txtRFCNew.getText() .equals("") || txtUserNew.getText() .equals("") ||
           txtPassNew.getText().equals("") || txtAgeNew.getDate() == null ||
           check1 == false || check2 == false ||
           check3 == false || check4 == false || check5 == false){
                btnSave.setEnabled(false);
        } else {
                btnSave.setEnabled(true);
        }
    }

    public void Mayusculas(javax.swing.JTextField jTextfieldS){
         String cadena = (txtRFCNew.getText()).toUpperCase();
         txtRFCNew.setText(cadena);
    }

    public boolean isEmail(String correo) {
        Pattern pattern = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
        Matcher mather = pattern.matcher(correo);
        if(mather.find()) {
            return true;
        }else{
            return false;
        }
    }

    public void clear(){
        txtIdNew.setText(null);
        txtStateNew.setText(null);
        txtNameNew.setText(null);
        txtEmailNew.setText(null);
        txtRFCNew.setText(null);
        txtUserNew.setText(null);
        txtPassNew.setText(null);
        iconUserExist.setIcon(red);
        iconUserCharacter.setIcon(red);
        iconRFCExist.setIcon(red);
        iconRFCChracter.setIcon(red);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(ModifyUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(ModifyUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(ModifyUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(ModifyUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new ModifyUser().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel UserLabel;
    private javax.swing.JLabel UserLabel1;
    private javax.swing.JLabel UserLabel2;
    private javax.swing.JButton btnSave;
    private javax.swing.JLabel iconEmailValidate;
    private javax.swing.JLabel iconRFCChracter;
    private javax.swing.JLabel iconRFCExist;
    private javax.swing.JLabel iconUserCharacter;
    private javax.swing.JLabel iconUserExist;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel18;
    private javax.swing.JLabel jLabel19;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel5;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JSeparator jSeparator2;
    private javax.swing.JSeparator jSeparator3;
    private javax.swing.JTextField txtAge;
    private com.toedter.calendar.JDateChooser txtAgeNew;
    private javax.swing.JTextField txtEmail;
    private javax.swing.JTextField txtEmailNew;
    private javax.swing.JTextField txtId;
    private javax.swing.JTextField txtIdNew;
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtNameNew;
    private javax.swing.JTextField txtPass;
    private javax.swing.JTextField txtPassNew;
    private javax.swing.JTextField txtRFC;
    private javax.swing.JTextField txtRFCNew;
    private javax.swing.JTextField txtState;
    private javax.swing.JTextField txtStateNew;
    private javax.swing.JTextField txtUser;
    private javax.swing.JTextField txtUserNew;
    // End of variables declaration
}
```

Register

```
package view;

import code.MethodsSQL;
import java.awt.Color;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;
import static view.Login.userEntity;
import view.user.MenuUser;

```

```java
public class Register extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2, check3, check4, check5;

    public Register() {
        initComponents();
        setTitle("Car Agency");
        setLocationRelativeTo(null);
    }


    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        txtEmail = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        txtAge = new com.toedter.calendar.JDateChooser();
        btnSave = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();
        txtRFC = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        UserLabel = new javax.swing.JLabel();
        jSeparator1 = new javax.swing.JSeparator();
        iconUserExist = new javax.swing.JLabel();
        iconUserCharacter = new javax.swing.JLabel();
        UserLabel1 = new javax.swing.JLabel();
        jSeparator2 = new javax.swing.JSeparator();
        iconRFCExist = new javax.swing.JLabel();
        iconRFCCharacter = new javax.swing.JLabel();
        UserLabel2 = new javax.swing.JLabel();
        jSeparator3 = new javax.swing.JSeparator();
        iconEmailValidate = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(850, 640));
        jPanel1.setLayout(null);

        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });
        jPanel1.add(jLabel7);
        jLabel7.setBounds(0, 0, 72, 66);

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
        jPanel2.setLayout(null);

        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 20)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("» NOMBRE");
        jPanel2.add(jLabel1);
        jLabel1.setBounds(15, 143, 120, 40);

        txtName.setBackground(new java.awt.Color(255, 255, 255));
        txtName.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtName.setForeground(new java.awt.Color(0, 0, 0));
        txtName.setPreferredSize(new java.awt.Dimension(220, 40));
        txtName.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtNameActionPerformed(evt);
            }
        });
        txtName.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtNameKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameKeyTyped(evt);
            }
        });
```

```java
        jPanel2.add(txtName);
        txtName.setBounds(150, 140, 220, 40);

        txtEmail.setBackground(new java.awt.Color(255, 255, 255));
        txtEmail.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtEmail.setForeground(new java.awt.Color(0, 0, 0));
        txtEmail.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtEmailKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailKeyTyped(evt);
            }
        });
        jPanel2.add(txtEmail);
        txtEmail.setBounds(150, 200, 220, 40);

        jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 20)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("» CORREO");
        jPanel2.add(jLabel2);
        jLabel2.setBounds(15, 203, 120, 40);

        jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 20)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("» USUARIO");
        jLabel3.setToolTipText("");
        jPanel2.add(jLabel3);
        jLabel3.setBounds(10, 380, 130, 40);

        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtUser.setForeground(new java.awt.Color(0, 0, 0));
        txtUser.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtUserKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });
        jPanel2.add(txtUser);
        txtUser.setBounds(150, 380, 220, 40);

        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPass.setForeground(new java.awt.Color(0, 0, 0));
        txtPass.setPreferredSize(new java.awt.Dimension(220, 40));
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPassKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });
        jPanel2.add(txtPass);
        txtPass.setBounds(150, 440, 220, 40);

        jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);
        jLabel5.setText("» CONTRASEÑA");
        jPanel2.add(jLabel5);
        jLabel5.setBounds(0, 440, 140, 40);

        jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("» Edad");
        jPanel2.add(jLabel4);
        jLabel4.setBounds(10, 320, 80, 40);

        txtAge.setBackground(new java.awt.Color(255, 255, 255));
        txtAge.setForeground(new java.awt.Color(0, 0, 0));
        txtAge.setToolTipText("");
        txtAge.setDateFormatString("yyyy-mm-dd");
        txtAge.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtAge.setPreferredSize(new java.awt.Dimension(220, 40));
        txtAge.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtAgeKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtAgeKeyTyped(evt);
            }
        });
        jPanel2.add(txtAge);
        txtAge.setBounds(150, 320, 220, 40);

        btnSave.setBackground(new java.awt.Color(255, 255, 255));
        btnSave.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnSave.setText("Siquiente");
        btnSave.setEnabled(false);
        btnSave.setPreferredSize(new java.awt.Dimension(150, 60));
        btnSave.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                btnSaveMouseClicked(evt);
            }
        });
        btnSave.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSaveActionPerformed(evt);
            }
        });
        jPanel2.add(btnSave);
        btnSave.setBounds(110, 510, 150, 60);

        jLabel8.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/register-menu.png"))); // NOI18N
        jPanel2.add(jLabel8);
        jLabel8.setBounds(120, 7, 128, 128);

        txtRFC.setBackground(new java.awt.Color(255, 255, 255));
        txtRFC.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtRFC.setForeground(new java.awt.Color(0, 0, 0));
        txtRFC.setPreferredSize(new java.awt.Dimension(220, 40));
        txtRFC.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtRFCKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtRFCKeyTyped(evt);
            }
        });
        jPanel2.add(txtRFC);
        txtRFC.setBounds(150, 260, 220, 40);

        jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("» RFC");
        jPanel2.add(jLabel6);
        jLabel6.setBounds(10, 260, 130, 40);

        jPanel1.add(jPanel2);
        jPanel2.setBounds(415, 14, 400, 590);

        jPanel3.setBackground(new java.awt.Color(128, 153, 155));
        jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

        UserLabel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel.setText("USUARIO");
        UserLabel.setFocusable(false);

        iconUserExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserExist.setForeground(new java.awt.Color(255, 255, 255));
        iconUserExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserExist.setText(" » Usuario no existente");
        iconUserExist.setFocusable(false);

        iconUserCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconUserCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserCharacter.setText(" » Minimo 8 caracteres");
        iconUserCharacter.setFocusable(false);

        UserLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel1.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel1.setText("RFC");
        UserLabel1.setFocusable(false);

        iconRFCExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCExist.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCExist.setText(" » RFC no registrado");
        iconRFCExist.setFocusable(false);

        iconRFCCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCCharacter.setText(" » Minimo 12 caracteres");
        iconRFCCharacter.setFocusable(false);

        UserLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel2.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel2.setText("CORREO");
        UserLabel2.setFocusable(false);

        iconEmailValidate.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconEmailValidate.setForeground(new java.awt.Color(255, 255, 255));
        iconEmailValidate.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconEmailValidate.setText(" » Correo no valido");
        iconEmailValidate.setFocusable(false);

        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addGap(15, 15, 15)
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(UserLabel, javax.swing.GroupLayout.PREFERRED_SIZE, 90, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(iconUserExist, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(iconUserCharacter, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(UserLabel1)))
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addContainerGap()
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(iconRFCExist, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(iconRFCCharacter, javax.swing.GroupLayout.PREFERRED_SIZE, 290, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(jPanel3Layout.createSequentialGroup()
                        .addContainerGap()
                        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()
                                 .addGap(9, 9, 9)
                                 .addComponent(UserLabel2))
                             .addComponent(iconEmailValidate,
javax.swing.GroupLayout.PREFERRED_SIZE, 290,
javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addComponent(jSeparator3,
javax.swing.GroupLayout.PREFERRED_SIZE, 272,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                 .addContainerGap(13, Short.MAX_VALUE))
         );
         jPanel3Layout.setVerticalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
             .addGroup(jPanel3Layout.createSequentialGroup()
                 .addContainerGap()
                 .addComponent(UserLabel)
                 .addGap(2, 2, 2)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(iconUserExist))
                     .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(2, 2, 2)
                 .addComponent(iconUserCharacter)
                 .addGap(18, 18, 18)
                 .addComponent(UserLabel1)
                 .addGap(2, 2, 2)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(iconRFCExist))
                     .addComponent(jSeparator2,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(2, 2, 2)
                 .addComponent(iconRFCCharacter)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
                 .addComponent(UserLabel2)
                 .addGap(2, 2, 2)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()
```

```java
                        .addGap(10, 10, 10)
                        .addComponent(iconEmailValidate))
                    .addComponent(jSeparator3, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(20, Short.MAX_VALUE))
        );

        jPanel1.add(jPanel3);
        jPanel3.setBounds(40, 140, 320, 330);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>

    private void btnSaveMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        Menu menu = new Menu();
        menu.setVisible(true);
        dispose();
    }

    private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {
        int rfc = evt.getKeyChar();
        if((rfc<65 || rfc>90) && (rfc<97 || rfc>122) && (rfc<48 || rfc>57)){
            evt.consume(); }
        if(txtUser.getText().length()>=12) evt.consume();
    }

    private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtPass.getText().length()>=12) evt.consume();
    }

    private void txtNameKeyTyped(java.awt.event.KeyEvent evt) {
        int name = evt.getKeyChar();
        if((name<65 || name>90) && (name<97 || name>122) && (name != 32)){
            evt.consume(); }
        if(txtName.getText().length()>=25) evt.consume();
    }

    private void txtEmailKeyTyped(java.awt.event.KeyEvent evt) {
        int email = evt.getKeyChar();
        if((email<48 || email>57) && (email<64 || email>90) &&
           (email<97 || email>122) && (email!=45) && (email!=46) &&
           (email!=95)){ evt.consume(); }
        if(txtEmail.getText().length()>=30) evt.consume();
    }

    private void btnSaveActionPerformed(java.awt.event.ActionEvent evt) {
        validateData();
    }

    private void txtAgeKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUserKeyReleased(java.awt.event.KeyEvent evt) {
        validateUser();
        validateButton();
        iconUserExist.setForeground(Color.WHITE);
        iconUserCharacter.setForeground(Color.WHITE);
    }

    private void txtRFCKeyTyped(java.awt.event.KeyEvent evt) {
        int rfc = evt.getKeyChar();
        if((rfc<65 || rfc>90) && (rfc<97 || rfc>122) && (rfc<48 || rfc>57)){
            evt.consume(); }
        if(txtRFC.getText().length()>=13) evt.consume();
    }

    private void txtRFCKeyReleased(java.awt.event.KeyEvent evt) {
        validateRFC();
        validateButton();
        Mayusculas(txtRFC);
        iconRFCExist.setForeground(Color.WHITE);
        iconRFCCharacter.setForeground(Color.WHITE);
    }

    private void txtNameKeyReleased(java.awt.event.KeyEvent evt) {
        Mayuscula(txtName);
        validateButton();
    }

    private void txtEmailKeyReleased(java.awt.event.KeyEvent evt) {
        check5 = isEmail(txtEmail.getText());
        if(check5){
            iconEmailValidate.setIcon(green);
            iconEmailValidate.setText("» Correo Valido");
        } else { iconEmailValidate.setIcon(red); }
        validateButton();
    }

    private void txtPassKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtAgeKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    public void validateData(){
        String name = txtName.getText();
        String email = txtEmail.getText();
        String rfc = txtRFC.getText().toUpperCase();
        String user = txtUser.getText().toLowerCase();
        String pass = txtPass.getText().toLowerCase();
            if(check1 == true && check2 == true && check3 == true && check4 == true && check5){
                int id = (int) (Math.random()*1500+1000);
                DateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
                String age = formatter.format(txtAge.getDate());
                boolean okey = methodsSql.Register(id, 0, name, email, rfc, user, pass, age);
                if(okey){
                    userEntity = methodsSql.Login(user, pass);
                    this.setVisible(false);
                    MenuUser menu = new MenuUser();
                    menu.setVisible(true);
                    dispose();
                } else {
                    JOptionPane.showMessageDialog(
                    null, "Error al guardar los datos.",
                    "", JOptionPane.ERROR_MESSAGE);
                    System.exit(0);
                }
            }
    }

    public void validateUser(){
        if(methodsSql.ValidateUser(txtUser.getText())){
            iconUserExist.setText(" » Usuario ya existente");
            iconUserExist.setIcon(red);
            check1 = false;
        } else {
            iconUserExist.setText(" » Usuario no existente");
            iconUserExist.setIcon(green);
            check1 = true;
        }
        if(txtUser.getText().length() <= 8){
            iconUserCharacter.setText(" » Minimo 8 caracteres");
            iconUserCharacter.setIcon(red);
            check2 = false;
        } else {
            iconUserCharacter.setIcon(green);
            check2 = true;
        }
        if(txtUser.getText().equals("")){
            iconUserExist.setIcon(red);
            iconUserCharacter.setIcon(red);
        }
    }

    public void validateRFC(){
        if(methodsSql.ValidateRFC(txtRFC.getText())){
            iconRFCExist.setText(" » RFC ya registrado");
            iconRFCExist.setIcon(red);
            check3 = false;
        } else {
            iconRFCExist.setText(" » RFC no registrado");
            iconRFCExist.setIcon(green);
            check3 = true;
        }
        if(txtRFC.getText().length() < 12){
            iconRFCCharacter.setText(" » Minimo 12 caracteres");
            iconRFCCharacter.setIcon(red);
            check4 = false;
        } else {
            iconRFCCharacter.setIcon(green);
            check4 = true;
        }
        if(txtRFC.getText().equals("")){
            iconRFCExist.setIcon(red);
            iconRFCCharacter.setIcon(red);
        }
    }

    public void validateButton(){
        if(txtName.getText().equals("") || txtEmail.getText().equals("") ||
           txtRFC.getText() .equals("") || txtUser.getText().equals("") ||
           txtPass.getText().equals("") || txtAge.getDate() == null ||
           check1 == false || check2 == false ||
           check3 == false || check4 == false || check5 == false){
                btnSave.setEnabled(false);
        } else {
                btnSave.setEnabled(true);
        }
    }

```

```java
    public void Mayusculas(javax.swing.JTextField jTextfieldS){
         String cadena = (txtRFC.getText()).toUpperCase();
         txtRFC.setText(cadena);
    }

    public void Mayuscula(javax.swing.JTextField jTextfieldS){
         String cadena = (txtName.getText()).toUpperCase();
         txtName.setText(cadena);
    }

    public boolean isEmail(String correo) {
        Pattern pattern = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
        Matcher mather = pattern.matcher(correo);
        if (mather.find()) {
            return true;
        }else{
            return false;
        }
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Register.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Register.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Register.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Register.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Register().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel UserLabel;
    private javax.swing.JLabel UserLabel1;
    private javax.swing.JLabel UserLabel2;
    private javax.swing.JButton btnSave;
    private javax.swing.JLabel iconEmailValidate;
    private javax.swing.JLabel iconRFCCharacter;
    private javax.swing.JLabel iconRFCExist;
    private javax.swing.JLabel iconUserCharacter;
    private javax.swing.JLabel iconUserExist;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JSeparator jSeparator2;
    private javax.swing.JSeparator jSeparator3;
    private com.toedter.calendar.JDateChooser txtAge;
    private javax.swing.JTextField txtEmail;
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtPass;
    private javax.swing.JTextField txtRFC;
    private javax.swing.JTextField txtUser;
    // End of variables declaration
}
```

Inventory

```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.io.File;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
import view.Login;


/**
 *
 * @author Restf
 */
public class Inventory extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    public Inventory() {
        initComponents();
        setTitle("Car Agency - Inventario: [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);
        TableData.setModel(methodsSql.loadTableInventory());
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        TableData = new javax.swing.JTable();
        btnSelectData = new javax.swing.JComboBox<>();
        txtDataFilter = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setMinimumSize(new java.awt.Dimension(1280, 720));

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.setText("VOLVER");
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });

        TableData.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        TableData.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, "", null, null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null, null}
            },
            new String [] {
                "ID", "COMPAÑIA", "MODELO", "N° SERIE", "COLOR", "ESTADO", "PRECIO", "PAIS", "HP", "N° REGISTRO", "KILOMETRAJE"
            }
        ) {
            boolean[] canEdit = new boolean [] {
                false, false, false, false, false, false, false, false, false, false, false
            };

            public boolean isCellEditable(int rowIndex, int columnIndex) {
                return canEdit [columnIndex];
            }
        });
        jScrollPane1.setViewportView(TableData);

        btnSelectData.setFont(new java.awt.Font("Dialog", 1, 16)); // NOI18N
        btnSelectData.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "SELECCIONAR", "• Identificador", "• Compañia", "• IModelo", "• N° Serie", "• Color", "• Estado", "• Precio", "• Pais", "• Horsepower", "• N° Registro", "• Kilometraje" }));
        btnSelectData.setPreferredSize(new java.awt.Dimension(220, 40));
        btnSelectData.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSelectDataActionPerformed(evt);
            }
        });

        txtDataFilter.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtDataFilter.setEnabled(false);
        txtDataFilter.setPreferredSize(new java.awt.Dimension(220, 40));
        txtDataFilter.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtDataFilterKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtDataFilterKeyTyped(evt);
            }
        });

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText(" » Selecciona el dato a buscar:");

        jButton1.setText("Generar PDF");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jLabel7)
                        .addGap(37, 37, 37)
                        .addComponent(jLabel1)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(btnSelectData, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(txtDataFilter, javax.swing.GroupLayout.PREFERRED_SIZE, 328, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(31, 31, 31)
                        .addComponent(jButton1))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(39, 39, 39)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 1200, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(41, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 66, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1)
                    .addComponent(btnSelectData, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtDataFilter, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton1))
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 611, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(19, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
```

```java
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>

    private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        MenuAdmin menu = new MenuAdmin();
        menu.setVisible(true);
        dispose();
    }

    private void btnSelectDataActionPerformed(java.awt.event.ActionEvent evt) {
        if (btnSelectData.getSelectedIndex() > 0) {
            txtDataFilter.setEnabled(true);
        } else {
            txtDataFilter.setEnabled(false);
        }
            clear();
    }

    private void txtDataFilterKeyReleased(java.awt.event.KeyEvent evt) {
        MayusculasRFC(txtDataFilter);
        TableData.setModel(methodsSql.loadTableInventoryFilter(btnSelectData.getSelectedIndex(), txtDataFilter.getText()));
    }

    private void txtDataFilterKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String url = null;
        JFileChooser dgl= new JFileChooser();
        int o=dgl.showSaveDialog(this);
        if(o== JFileChooser.APPROVE_OPTION){
            File f= dgl.getSelectedFile();
            url =f.toString();
        }
        methodsSql.pdfCreateTableInventory(url, btnSelectData.getSelectedIndex(), txtDataFilter.getText());
    }

    public void MayusculasRFC(javax.swing.JTextField jTextfieldS){
         String cadena = (txtDataFilter.getText()).toUpperCase();
         txtDataFilter.setText(cadena);
    }

    public void clear(){
        txtDataFilter.setText(null);
        TableData.setModel(methodsSql.loadTableInventory());
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Inventory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

```

```java
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Inventory().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JTable TableData;
    private javax.swing.JComboBox<String> btnSelectData;
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTextField txtDataFilter;
    // End of variables declaration
}
```

MenuAdmin

PanelAdd

```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.awt.Color;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.ImageIcon;

/**
 *
 * @author Restf
 */
public class PanelAdd extends javax.swing.JPanel {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2, check3, check4, check5;

    public PanelAdd() {
        initComponents();
        btnSave.setEnabled(false);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtEmail = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        txtAge = new com.toedter.calendar.JDateChooser();
        jLabel4 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        txtState = new javax.swing.JComboBox<>();
        txtName = new javax.swing.JTextField();
        txtRFC = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        btnRemove = new javax.swing.JButton();
        btnSave = new javax.swing.JButton();
        iconUserExist = new javax.swing.JLabel();
        iconUserCharacter = new javax.swing.JLabel();
        UserLabel = new javax.swing.JLabel();
        jSeparator2 = new javax.swing.JSeparator();
        iconRFCExist = new javax.swing.JLabel();
        iconRFCCharacter = new javax.swing.JLabel();
        jSeparator3 = new javax.swing.JSeparator();
        iconEmailValidate = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(982, 641));
        jPanel1.setLayout(null);

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "INSERTAR DATOS DE USUARIO", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel1.setText("» Nombre");

        txtEmail.setBackground(new java.awt.Color(255, 255, 255));
        txtEmail.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtEmail.setForeground(new java.awt.Color(0, 0, 0));
        txtEmail.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtEmailKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailKeyTyped(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel2.setText("» Corrreo");

        jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel3.setText("» Usuario");
        jLabel3.setToolTipText("");

        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtUser.setForeground(new java.awt.Color(0, 0, 0));
        txtUser.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUser.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtUserActionPerformed(evt);
            }
        });
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtUserKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });
```

```java

        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtPass.setForeground(new java.awt.Color(0, 0, 0));
        txtPass.setPreferredSize(new java.awt.Dimension(220, 40));
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPassKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel5.setText("» Contraseña");

        txtAge.setBackground(new java.awt.Color(255, 255, 255));
        txtAge.setForeground(new java.awt.Color(0, 0, 0));
        txtAge.setToolTipText("");
        txtAge.setDateFormatString("yyyy-mm-dd");
        txtAge.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtAge.setPreferredSize(new java.awt.Dimension(220, 40));
        txtAge.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtAgeKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtAgeKeyTyped(evt);
            }
        });

        jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel4.setText("» Edad");

        jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel6.setText("» Estado");

        txtState.setBackground(new java.awt.Color(255, 255, 255));
        txtState.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        txtState.setForeground(new java.awt.Color(0, 0, 0));
        txtState.setMaximumRowCount(2);
        txtState.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Usuario", "Administrador" }));

        txtName.setBackground(new java.awt.Color(255, 255, 255));
        txtName.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtName.setForeground(new java.awt.Color(0, 0, 0));
        txtName.setPreferredSize(new java.awt.Dimension(220, 40));
        txtName.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtNameKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameKeyTyped(evt);
            }
        });

        txtRFC.setBackground(new java.awt.Color(255, 255, 255));
        txtRFC.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtRFC.setForeground(new java.awt.Color(0, 0, 0));
        txtRFC.setPreferredSize(new java.awt.Dimension(220, 40));
        txtRFC.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtRFCKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtRFCKeyTyped(evt);
            }
        });

        jLabel8.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel8.setText("» RFC");

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                .addGap(20, 20, 20)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 95, javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                 .addGap(46, 46, 46)
                                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                     .addComponent(txtState, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                     .addComponent(txtName, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                 .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                 .addComponent(jLabel3)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                 .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
                                 .addComponent(jLabel4)
                                 .addGap(88, 88, 88)
```

```
                                     .addComponent(txtAge,
   javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

   .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
   jPanel2Layout.createSequentialGroup()
                                     .addComponent(jLabel5,
   javax.swing.GroupLayout.PREFERRED_SIZE, 138,
   javax.swing.GroupLayout.PREFERRED_SIZE)
                                     .addGap(18, 18, 18)
                                     .addComponent(txtPass,
   javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.PREFERRED_SIZE)))
                             .addGap(0, 0, Short.MAX_VALUE))

   .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
   jPanel2Layout.createSequentialGroup()
                             .addComponent(jLabel8,
   javax.swing.GroupLayout.PREFERRED_SIZE, 95,
   javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addGap(61, 61, 61)
                             .addComponent(txtRFC,
   javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
                     .addGap(46, 46, 46))
             );
             jPanel2Layout.setVerticalGroup(

   jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
   .LEADING)
                 .addGroup(jPanel2Layout.createSequentialGroup()
                     .addGap(35, 35, 35)

   .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
   .Alignment.BASELINE)
                         .addComponent(jLabel6,
   javax.swing.GroupLayout.PREFERRED_SIZE, 33,
   javax.swing.GroupLayout.PREFERRED_SIZE)
                         .addComponent(txtState,
   javax.swing.GroupLayout.PREFERRED_SIZE, 36,
   javax.swing.GroupLayout.PREFERRED_SIZE))
                     .addGap(23, 23, 23)

   .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
   .Alignment.BASELINE)
                         .addComponent(jLabel1,
   javax.swing.GroupLayout.PREFERRED_SIZE, 33,
   javax.swing.GroupLayout.PREFERRED_SIZE)
                         .addComponent(txtName,
   javax.swing.GroupLayout.PREFERRED_SIZE,
   javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.PREFERRED_SIZE))
                     .addGap(20, 20, 20)

   .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
   .Alignment.TRAILING)
```

```
                     .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(18, 18, 18)
                 .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(txtRFC, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                 .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(20, 20, 20)
                 .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addGap(72, 72, 72))
         );
```

```java

        jPanel1.add(jPanel2);
        jPanel2.setBounds(40, 82, 452, 500);

        jPanel3.setBackground(new java.awt.Color(128, 153, 155));
        jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "OPCIONES", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N
        jPanel3.setLayout(null);

        btnRemove.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnRemove.setForeground(new java.awt.Color(255, 255, 255));
        btnRemove.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/remove-128px.png"))); // NOI18N
        btnRemove.setText("LIMPIAR DATOS");
        btnRemove.setContentAreaFilled(false);
        btnRemove.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
        btnRemove.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
        btnRemove.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnRemoveActionPerformed(evt);
            }
        });
        jPanel3.add(btnRemove);
        btnRemove.setBounds(217, 301, 185, 172);

        btnSave.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnSave.setForeground(new java.awt.Color(255, 255, 255));
        btnSave.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/ready-128px.png"))); // NOI18N
        btnSave.setText("GUARDAR DATOS");
        btnSave.setContentAreaFilled(false);
        btnSave.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
        btnSave.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
        btnSave.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSaveActionPerformed(evt);
            }
        });
        jPanel3.add(btnSave);
        btnSave.setBounds(21, 301, 190, 172);

        iconUserExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserExist.setForeground(new java.awt.Color(255, 255, 255));
        iconUserExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserExist.setText(" » Usuario no existente");
        iconUserExist.setFocusable(false);
        jPanel3.add(iconUserExist);
        iconUserExist.setBounds(60, 80, 290, 32);

        iconUserCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconUserCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconUserCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconUserCharacter.setText(" » Minimo 8 caracteres");
        iconUserCharacter.setFocusable(false);
        jPanel3.add(iconUserCharacter);
        iconUserCharacter.setBounds(60, 120, 290, 32);

        UserLabel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel.setText("USUARIO");
        UserLabel.setFocusable(false);
        jPanel3.add(UserLabel);
        UserLabel.setBounds(60, 40, 90, 24);
        jPanel3.add(jSeparator2);
        jSeparator2.setBounds(60, 190, 0, 2);

        iconRFCExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCExist.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCExist.setText(" » RFC no registrado");
        iconRFCExist.setFocusable(false);
        jPanel3.add(iconRFCExist);
        iconRFCExist.setBounds(60, 160, 214, 32);

        iconRFCCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCCharacter.setText(" » Minimo 12 caracteres");
        iconRFCCharacter.setFocusable(false);
        jPanel3.add(iconRFCCharacter);
        iconRFCCharacter.setBounds(60, 200, 242, 32);
        jPanel3.add(jSeparator3);
        jSeparator3.setBounds(60, 70, 272, 20);

        iconEmailValidate.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconEmailValidate.setForeground(new java.awt.Color(255, 255, 255));
        iconEmailValidate.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconEmailValidate.setText(" » Correo no valido");
        iconEmailValidate.setFocusable(false);
        jPanel3.add(iconEmailValidate);
        iconEmailValidate.setBounds(60, 240, 201, 32);

        jPanel1.add(jPanel3);
        jPanel3.setBounds(503, 77, 430, 500);

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setText("INGRESAR DE USUARIOS");
        jPanel1.add(jLabel7);
        jLabel7.setBounds(265, 0, 464, 58);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);
        this.setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 996, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    }// </editor-fold>

    private void btnSaveActionPerformed(java.awt.event.ActionEvent evt) {
        validateData();
    }

    private void btnRemoveActionPerformed(java.awt.event.ActionEvent evt) {
        clear();
    }

    private void txtRFCKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtRFC.getText().length()>=13) evt.consume();
    }

    private void txtRFCKeyReleased(java.awt.event.KeyEvent evt) {
        validateRFC();
        validateButton();
        Mayusculas(txtRFC);
        iconRFCExist.setForeground(Color.WHITE);
        iconRFCCharacter.setForeground(Color.WHITE);
    }

    private void txtNameKeyTyped(java.awt.event.KeyEvent evt) {
        int name = evt.getKeyChar();
        if((name<65 || name>90) && (name<97 || name>122) && (name != 32)){
            evt.consume(); }
        if(txtName.getText().length()>=25) evt.consume();
    }

    private void txtNameKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtAgeKeyTyped(java.awt.event.KeyEvent evt) {
        txtAge.setBackground(Color.WHITE);
    }

    private void txtAgeKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtPass.getText().length()>=12) evt.consume();
    }

    private void txtPassKeyReleased(java.awt.event.KeyEvent evt) {
        validateButton();
    }

    private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {
        if(txtUser.getText().length()>=12) evt.consume();
    }

    private void txtUserKeyReleased(java.awt.event.KeyEvent evt) {
        validateUser();
        validateButton();
        iconUserExist.setForeground(Color.WHITE);
        iconUserCharacter.setForeground(Color.WHITE);
    }

    private void txtUserActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtEmailKeyTyped(java.awt.event.KeyEvent evt) {
        int c = evt.getKeyChar();
        if((c<48 || c>57) && (c<64 || c>90) &&
           (c<97 || c>122) && (c!=45) && (c!=46) &&
           (c!=95)){ evt.consume(); }
        int characterLimit=25;
        if(txtEmail.getText().length()>=characterLimit){
            evt.consume();
        }
    }

    private void txtEmailKeyReleased(java.awt.event.KeyEvent evt) {
        check5 = isEmail(txtEmail.getText());
        if(check5){
            iconEmailValidate.setIcon(green);
            iconEmailValidate.setText("» Correo Valido");
        } else { iconEmailValidate.setIcon(red); }
        validateButton();
    }

    public void clear(){
        txtName.setText(null);
        txtEmail.setText(null);
        txtRFC.setText(null);
        txtUser.setText(null);
        txtPass.setText(null);
        txtAge.setDate(null);
        iconUserExist.setForeground(Color.WHITE);
        iconUserCharacter.setForeground(Color.WHITE);
        iconUserExist.setIcon(red);
        iconUserCharacter.setIcon(red);
        iconRFCExist.setIcon(red);
        iconRFCCharacter.setIcon(red);
        iconUserExist.setText(" » Usuario no existente");
        iconRFCExist.setText(" » RFC no registrado");
        iconEmailValidate.setIcon(red);
        iconEmailValidate.setText(" » Correo no valido");
        btnSave.setEnabled(false);
    }

    public void validateData(){
        int state = txtState.getSelectedIndex();
        String name = txtName.getText();
        String email = txtEmail.getText();
        String rfc = txtRFC.getText().toUpperCase();
        String user = txtUser.getText().toLowerCase();
        String pass = txtPass.getText().toLowerCase();
        if(check1 == true && check2 == true && check3 == true && check4 == true && check5 == true){
            int id = (int) (Math.random()*1500+1000);
```

```java
            DateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
            String age = formatter.format(txtAge.getDate());
            methodsSql.Register(id, state, name, email, rfc, user, pass, age);
            clear();
        }
    }

    public void validateUser(){
        if(methodsSql.ValidateUser(txtUser.getText())){
            iconUserExist.setText(" » Usuario ya existente");
            iconUserExist.setIcon(red);
            check1 = false;
        } else {
            iconUserExist.setText(" » Usuario no existente");
            iconUserExist.setIcon(green);
            check1 = true;
        }
        if(txtUser.getText().length() <= 8){
            iconUserCharacter.setText(" » Minimo 8 caracteres");
            iconUserCharacter.setIcon(red);
            check2 = false;
        } else {
            check2 = true;
            iconUserCharacter.setIcon(green);
        }
        if(txtUser.getText().equals("")){
            iconUserExist.setIcon(red);
            iconUserCharacter.setIcon(red);
        }
    }

    public void validateRFC(){
        if(methodsSql.ValidateRFC(txtRFC.getText())){
            iconRFCExist.setText(" » RFC ya registrado");
            iconRFCExist.setIcon(red);
            check3 = false;
        } else {
            iconRFCExist.setText(" » RFC no registrado");
            iconRFCExist.setIcon(green);
            check3 = true;
        }
        if(txtRFC.getText().length() < 12){
            iconRFCCharacter.setText(" » Minimo 12 caracteres");
            iconRFCCharacter.setIcon(red);
            check4 = false;
        } else {
            iconRFCCharacter.setIcon(green);
            check4 = true;
        }
        if(txtRFC.getText().equals("")){
            iconRFCExist.setIcon(red);
            iconRFCCharacter.setIcon(red);
        }
    }


    public void validateButton(){
        if(txtName.getText().equals("") || txtEmail.getText().equals("") ||
           txtRFC.getText() .equals("") || txtUser.getText() .equals("") ||
           txtPass.getText().equals("") || txtAge.getDate() == null ||
           check1 == false || check2 == false ||
           check3 == false || check4 == false || check5 == false){
                btnSave.setEnabled(false);
        } else {
                btnSave.setEnabled(true);
        }
    }

    public void Mayusculas(javax.swing.JTextField jTextfieldS){
         String cadena = (txtRFC.getText()).toUpperCase();
         txtRFC.setText(cadena);
    }

    public boolean isEmail(String correo) {
        Pattern pattern = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
        Matcher mather = pattern.matcher(correo);
        if (mather.find()) {
            return true;
        }else{
            return false;
        }
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel UserLabel;
    private javax.swing.JButton btnRemove;
    private javax.swing.JButton btnSave;
    private javax.swing.JLabel iconEmailValidate;
    private javax.swing.JLabel iconRFCCharacter;
    private javax.swing.JLabel iconRFCExist;
    private javax.swing.JLabel iconUserCharacter;
    private javax.swing.JLabel iconUserExist;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JSeparator jSeparator2;
    private javax.swing.JSeparator jSeparator3;
    private com.toedter.calendar.JDateChooser txtAge;
    private javax.swing.JTextField txtEmail;
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtPass;
    private javax.swing.JTextField txtRFC;
    private javax.swing.JComboBox<String> txtState;
    private javax.swing.JTextField txtUser;
    // End of variables declaration
}
```

PanelDelete

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.awt.Color;
import java.awt.Component;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;
import static view.Login.userEntity;

/**
 *
 * @author Restf
 */
public class PanelDelete extends javax.swing.JPanel {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2;

    public PanelDelete() {
        initComponents();
        lock();
    }


    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        PanelDelete = new javax.swing.JPanel();
        PanelInfo = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtEmail = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
```

```java
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        txtAge = new javax.swing.JTextField();
        txtState = new javax.swing.JTextField();
        txtRFC = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        PanelButtons = new javax.swing.JPanel();
        btnDelete = new javax.swing.JButton();
        btnClear = new javax.swing.JButton();
        iconRFCCharacter = new javax.swing.JLabel();
        iconRFCExist = new javax.swing.JLabel();
        jSeparator1 = new javax.swing.JSeparator();
        UserLabel1 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtSearchUsers = new javax.swing.JTextField();

        PanelDelete.setBackground(new java.awt.Color(128, 153, 155));
        PanelDelete.setPreferredSize(new java.awt.Dimension(982, 641));

        PanelInfo.setBackground(new java.awt.Color(128, 153, 155));
        PanelInfo.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "DATOS DE USUARIO", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel1.setText("» Nombre");

        txtEmail.setEditable(false);
        txtEmail.setBackground(new java.awt.Color(255, 255, 255));
        txtEmail.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtEmail.setForeground(new java.awt.Color(0, 0, 0));
        txtEmail.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailKeyTyped(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel2.setText("» Correo");

        jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel3.setText("» Usuario");
        jLabel3.setToolTipText("");

        txtUser.setEditable(false);
        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtUser.setForeground(new java.awt.Color(0, 0, 0));
        txtUser.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUser.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtUserActionPerformed(evt);
            }
        });
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });

        txtPass.setEditable(false);
        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtPass.setForeground(new java.awt.Color(0, 0, 0));
        txtPass.setPreferredSize(new java.awt.Dimension(220, 40));
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel5.setText("» Contraseña");

        jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel4.setText("» Edad");

        jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel6.setText("» Estado");

        txtName.setEditable(false);
        txtName.setBackground(new java.awt.Color(255, 255, 255));
        txtName.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtName.setForeground(new java.awt.Color(0, 0, 0));
        txtName.setPreferredSize(new java.awt.Dimension(220, 40));
        txtName.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameKeyTyped(evt);
            }
        });

        txtAge.setEditable(false);
        txtAge.setBackground(new java.awt.Color(255, 255, 255));
        txtAge.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtAge.setForeground(new java.awt.Color(0, 0, 0));

        txtState.setEditable(false);
        txtState.setBackground(new java.awt.Color(255, 255, 255));
        txtState.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtState.setForeground(new java.awt.Color(0, 0, 0));

        txtRFC.setEditable(false);
        txtRFC.setBackground(new java.awt.Color(255, 255, 255));
        txtRFC.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtRFC.setForeground(new java.awt.Color(0, 0, 0));

        jLabel7.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel7.setText("» RFC");

        javax.swing.GroupLayout PanelInfoLayout = new javax.swing.GroupLayout(PanelInfo);
        PanelInfo.setLayout(PanelInfoLayout);
        PanelInfoLayout.setHorizontalGroup(
            PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(PanelInfoLayout.createSequentialGroup()
                .addGap(35, 35, 35)
```

```
.addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(PanelInfoLayout.createSequentialGroup()
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 138, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(txtRFC))
    .addGroup(PanelInfoLayout.createSequentialGroup()
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 138, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(txtPass, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(PanelInfoLayout.createSequentialGroup()
        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel4)
            .addComponent(jLabel3)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 95, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(46, 46, 46)
        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txtName, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(txtAge)
            .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(txtEmail, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(txtState))))
```

```java
                  .addGap(31, 31, 31))
          );
          PanelInfoLayout.setVerticalGroup(
            PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelInfoLayout.createSequentialGroup()
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                      .addComponent(txtRFC, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 15, Short.MAX_VALUE)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(txtState, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(17, 17, 17)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(18, 18, 18)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(25, 25, 25)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE,
  javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(26, 26, 26)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(25, 25, 25)
                  .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addContainerGap())
          );

          PanelButtons.setBackground(new java.awt.Color(128, 153, 155));
          PanelButtons.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "OPCIONES", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

          btnDelete.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
          btnDelete.setForeground(new java.awt.Color(255, 255, 255));
          btnDelete.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/delete-128px.png"))); // NOI18N
          btnDelete.setText("ELIMINAR USUARIO");
          btnDelete.setContentAreaFilled(false);
          btnDelete.setEnabled(false);
          btnDelete.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
          btnDelete.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
          btnDelete.addActionListener(new java.awt.event.ActionListener() {
              public void actionPerformed(java.awt.event.ActionEvent evt) {
                  btnDeleteActionPerformed(evt);
              }
          });

          btnClear.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
          btnClear.setForeground(new java.awt.Color(255, 255, 255));
          btnClear.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/remove-128px.png"))); // NOI18N
          btnClear.setText("LIMPIAR DATOS");
          btnClear.setContentAreaFilled(false);
          btnClear.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
          btnClear.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
          btnClear.addActionListener(new java.awt.event.ActionListener() {
              public void actionPerformed(java.awt.event.ActionEvent evt) {
                  btnClearActionPerformed(evt);
              }
          });

          iconRFCCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
          iconRFCCharacter.setForeground(new java.awt.Color(255, 255, 255));
          iconRFCCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
          iconRFCCharacter.setText(" » Minimo 12 caracteres");
          iconRFCCharacter.setFocusable(false);

          iconRFCExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
          iconRFCExist.setForeground(new java.awt.Color(255, 255, 255));
          iconRFCExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
          iconRFCExist.setText(" » RFC no encontrado");
          iconRFCExist.setFocusable(false);

          UserLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
          UserLabel1.setForeground(new java.awt.Color(255, 255, 255));
          UserLabel1.setText("RFC");
          UserLabel1.setFocusable(false);

          javax.swing.GroupLayout PanelButtonsLayout = new javax.swing.GroupLayout(PanelButtons);
          PanelButtons.setLayout(PanelButtonsLayout);
          PanelButtonsLayout.setHorizontalGroup(
              PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(PanelButtonsLayout.createSequentialGroup()
                  .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                      .addGroup(PanelButtonsLayout.createSequentialGroup()
                          .addGap(12, 12, 12)
                          .addComponent(btnDelete)
                          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                          .addComponent(btnClear, javax.swing.GroupLayout.PREFERRED_SIZE, 205, javax.swing.GroupLayout.PREFERRED_SIZE))
                      .addGroup(PanelButtonsLayout.createSequentialGroup()
                          .addGap(71, 71, 71)
                          .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                              .addComponent(UserLabel1)
                              .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)
                              .addComponent(iconRFCExist)
                              .addComponent(iconRFCCharacter))))
                  .addContainerGap(12, Short.MAX_VALUE))
          );
          PanelButtonsLayout.setVerticalGroup(
              PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelButtonsLayout.createSequentialGroup()
                  .addGap(23, 23, 23)
                  .addComponent(UserLabel1)
                  .addGap(6, 6, 6)
                  .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                      .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addGroup(PanelButtonsLayout.createSequentialGroup()
                          .addGap(10, 10, 10)
                          .addComponent(iconRFCExist)))
                  .addGap(8, 8, 8)
                  .addComponent(iconRFCCharacter)
                  .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```java
                    .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(btnDelete)
                        .addComponent(btnClear))
                .addGap(15, 15, 15))
        );

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("ELIMINACION DE USUARIOS");

        jLabel9.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel9.setText("» Ingrese RFC de usuario para eliminar datos:");

        txtSearchUsers.setBackground(new java.awt.Color(255, 255, 255));
        txtSearchUsers.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtSearchUsers.setForeground(new java.awt.Color(0, 0, 0));
        txtSearchUsers.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyTyped(evt);
            }
        });

        javax.swing.GroupLayout PanelDeleteLayout = new javax.swing.GroupLayout(PanelDelete);
        PanelDelete.setLayout(PanelDeleteLayout);
        PanelDeleteLayout.setHorizontalGroup(
            PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                .addContainerGap(31, Short.MAX_VALUE)
                .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addComponent(jLabel8)
                        .addGap(240, 240, 240))
```

```
                      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                          .addComponent(PanelInfo, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                          .addComponent(PanelButtons, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addGap(51, 51, 51))
                      .addGroup(PanelDeleteLayout.createSequentialGroup()
                          .addGap(71, 71, 71)
                          .addComponent(jLabel9)
                          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                          .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, 291, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
          );
          PanelDeleteLayout.setVerticalGroup(
              PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(PanelDeleteLayout.createSequentialGroup()
                  .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 59, javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addGap(19, 19, 19)
                  .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(33, 33, 33)
                  .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                      .addComponent(PanelInfo, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                      .addComponent(PanelButtons, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```java
                .addContainerGap(44, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);
        this.setLayout(layout);
        layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(PanelDelete, javax.swing.GroupLayout.DEFAULT_SIZE, 996, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(PanelDelete, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    }// </editor-fold>

    private void txtEmailKeyTyped(java.awt.event.KeyEvent evt) {

    }

    private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {

    }

    private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {

    }

    private void txtUserActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtNameKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtSearchUsersKeyReleased(java.awt.event.KeyEvent evt) {
        validateRFC();
        iconRFCExist.setForeground(Color.WHITE);
        iconRFCCharacter.setForeground(Color.WHITE);
        Mayusculas(txtSearchUsers);
        if(check1 == true && check2 == true){
            userEntity = methodsSql.RFC(txtSearchUsers.getText());
            unlock();
            showData();
        }
    }

    private void txtSearchUsersKeyTyped(java.awt.event.KeyEvent evt) {
        int characterLimit=13;
            if(txtSearchUsers.getText().length()>=characterLimit){
                evt.consume();
            }
    }

    private void btnClearActionPerformed(java.awt.event.ActionEvent evt) {
        clear();
    }

    private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
        DeleteUserValidate();
    }


    public void lock(){
        for(Component a: PanelInfo.getComponents()){
            a.setEnabled(false);
        }

        btnDelete.setEnabled(false);

    }

    public void unlock(){
        for(Component a: PanelInfo.getComponents()){
            a.setEnabled(true);
        }

        for(Component b: PanelButtons.getComponents()){
            b.setEnabled(true);
        }
    }

    public void clear(){
        txtSearchUsers.setText(null);
        txtRFC.setText(null);
        txtState.setText(null);
        txtName.setText(null);
        txtEmail.setText(null);
        txtUser.setText(null);
        txtPass.setText(null);
        txtAge.setText(null);
        iconRFCExist.setIcon(red);
        iconRFCCharacter.setIcon(red);
        iconRFCExist.setText(" » RFC no encontrado");
        lock();
    }

    public void Mayusculas(javax.swing.JTextField jTextfieldS){
         String cadena = (txtSearchUsers.getText()).toUpperCase();
         txtSearchUsers.setText(cadena);
    }

    public void showData(){
        txtRFC.setText(userEntity.getRfc());
        String state= "";
        if (userEntity.getState() == 1) {
            state = "Administrador";
        } else {
            state = "Usuario";
        }
        txtState.setText(state);
        txtName.setText(userEntity.getName());
        txtEmail.setText(userEntity.getEmail());
        txtUser.setText(userEntity.getUser());
        txtPass.setText(userEntity.getPass());
        txtAge.setText(userEntity.getAge());
    }

    public void validateRFC(){
        if(methodsSql.ValidateRFC(txtSearchUsers.getText())){
            iconRFCExist.setText(" » RFC encontrado");
            iconRFCExist.setIcon(green);
            check1 = true;
        } else {
            iconRFCExist.setText(" » RFC no encontrado");
            iconRFCExist.setIcon(red);
            check1 = false;
            lock();
        }

        if(txtSearchUsers.getText().length() < 12){
            iconRFCCharacter.setText(" » Minimo 12 caracteres");
            iconRFCCharacter.setIcon(red);
            check2 = false;
            lock();
        } else {
            iconRFCCharacter.setIcon(green);
            check2 = true;
        }
    }

    public void DeleteUserValidate(){
        int i = JOptionPane.showConfirmDialog(null, "¿REALMENTE DESEAS ELIMINAR EL USUARIO?", "¡ALERTA!", JOptionPane.YES_NO_OPTION, JOptionPane.WARNING_MESSAGE);
        if(i == 0){
            methodsSql.DeleteUserAdmin(txtSearchUsers.getText());
            clear();
        }
    }



    // Variables declaration - do not modify
    private javax.swing.JPanel PanelButtons;
    private javax.swing.JPanel PanelDelete;
    private javax.swing.JPanel PanelInfo;
    private javax.swing.JLabel UserLabel1;
    private javax.swing.JButton btnClear;
    private javax.swing.JButton btnDelete;
    private javax.swing.JLabel iconRFCCharacter;
    private javax.swing.JLabel iconRFCExist;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JTextField txtAge;
    private javax.swing.JTextField txtEmail;
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtPass;
    private javax.swing.JTextField txtRFC;
    private javax.swing.JTextField txtSearchUsers;
    private javax.swing.JTextField txtState;
    private javax.swing.JTextField txtUser;
    // End of variables declaration
}
```

PanelEdit

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.awt.Color;
import java.awt.Component;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;
import static view.Login.userEntity;

/**
 *
 * @author Restf
 */
public class PanelDelete extends javax.swing.JPanel {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2;

```

```java
    public PanelDelete() {
        initComponents();
        lock();
    }


    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        PanelDelete = new javax.swing.JPanel();
        PanelInfo = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtEmail = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        txtUser = new javax.swing.JTextField();
        txtPass = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        txtName = new javax.swing.JTextField();
        txtAge = new javax.swing.JTextField();
        txtState = new javax.swing.JTextField();
        txtRFC = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        PanelButtons = new javax.swing.JPanel();
        btnDelete = new javax.swing.JButton();
        btnClear = new javax.swing.JButton();
        iconRFCCharacter = new javax.swing.JLabel();
        iconRFCExist = new javax.swing.JLabel();
        jSeparator1 = new javax.swing.JSeparator();
        UserLabel1 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtSearchUsers = new javax.swing.JTextField();

        PanelDelete.setBackground(new java.awt.Color(128, 153, 155));
        PanelDelete.setPreferredSize(new java.awt.Dimension(982, 641));

        PanelInfo.setBackground(new java.awt.Color(128, 153, 155));
PanelInfo.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "DATOS DE USUARIO", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        jLabel1.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel1.setText("» Nombre");

        txtEmail.setEditable(false);
        txtEmail.setBackground(new java.awt.Color(255, 255, 255));
        txtEmail.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtEmail.setForeground(new java.awt.Color(0, 0, 0));
        txtEmail.setPreferredSize(new java.awt.Dimension(220, 40));
        txtEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtEmailKeyTyped(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel2.setText("» Correo");

        jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel3.setText("» Usuario");
        jLabel3.setToolTipText("");

        txtUser.setEditable(false);
        txtUser.setBackground(new java.awt.Color(255, 255, 255));
        txtUser.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtUser.setForeground(new java.awt.Color(0, 0, 0));
        txtUser.setPreferredSize(new java.awt.Dimension(220, 40));
        txtUser.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtUserActionPerformed(evt);
            }
        });
        txtUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtUserKeyTyped(evt);
            }
        });

        txtPass.setEditable(false);
        txtPass.setBackground(new java.awt.Color(255, 255, 255));
        txtPass.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtPass.setForeground(new java.awt.Color(0, 0, 0));
        txtPass.setPreferredSize(new java.awt.Dimension(220, 40));
```

```java
        txtPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassKeyTyped(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel5.setText("» Contraseña");

        jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel4.setText("» Edad");

        jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel6.setText("» Estado");

        txtName.setEditable(false);
        txtName.setBackground(new java.awt.Color(255, 255, 255));
        txtName.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtName.setForeground(new java.awt.Color(0, 0, 0));
        txtName.setPreferredSize(new java.awt.Dimension(220, 40));
        txtName.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNameKeyTyped(evt);
            }
        });

        txtAge.setEditable(false);
        txtAge.setBackground(new java.awt.Color(255, 255, 255));
        txtAge.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtAge.setForeground(new java.awt.Color(0, 0, 0));

        txtState.setEditable(false);
        txtState.setBackground(new java.awt.Color(255, 255, 255));
        txtState.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtState.setForeground(new java.awt.Color(0, 0, 0));

        txtRFC.setEditable(false);
        txtRFC.setBackground(new java.awt.Color(255, 255, 255));
        txtRFC.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtRFC.setForeground(new java.awt.Color(0, 0, 0));

        jLabel7.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(255, 255, 255));
        jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel7.setText("» RFC");

        javax.swing.GroupLayout PanelInfoLayout = new javax.swing.GroupLayout(PanelInfo);
        PanelInfo.setLayout(PanelInfoLayout);
        PanelInfoLayout.setHorizontalGroup(
            PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(PanelInfoLayout.createSequentialGroup()
                .addGap(35, 35, 35)
                .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(PanelInfoLayout.createSequentialGroup()
                        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 138, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(txtRFC))
                    .addGroup(PanelInfoLayout.createSequentialGroup()
                        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 138, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(txtPass, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 0, Short.MAX_VALUE))
                    .addGroup(PanelInfoLayout.createSequentialGroup()
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel4)
                            .addComponent(jLabel3)
                            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 95, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 110, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(46, 46, 46)
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(txtName, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(txtAge)
                              .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                .addComponent(txtEmail, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(txtState))))
                .addGap(31, 31, 31))
        );
        PanelInfoLayout.setVerticalGroup(
          PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelInfoLayout.createSequentialGroup()
                .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(txtRFC, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 15, Short.MAX_VALUE)
                .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtState, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(17, 17, 17)
                .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtName, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
```

```
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(25, 25, 25)
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtUser, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(26, 26, 26)
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtPass, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(25, 25, 25)
                        .addGroup(PanelInfoLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtAge, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap())
        );

        PanelButtons.setBackground(new java.awt.Color(128, 153, 155));
                        PanelButtons.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "OPCIONES", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        btnDelete.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
```

```java
        btnDelete.setForeground(new java.awt.Color(255, 255, 255));
        btnDelete.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/delete-128px.png"))); // NOI18N
        btnDelete.setText("ELIMINAR USUARIO");
        btnDelete.setContentAreaFilled(false);
        btnDelete.setEnabled(false);
        btnDelete.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
        btnDelete.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
        btnDelete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnDeleteActionPerformed(evt);
            }
        });

        btnClear.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnClear.setForeground(new java.awt.Color(255, 255, 255));
        btnClear.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/remove-128px.png"))); // NOI18N
        btnClear.setText("LIMPIAR DATOS");
        btnClear.setContentAreaFilled(false);
        btnClear.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
        btnClear.setVerticalTextPosition(javax.swing.SwingConstants.BOTTOM);
        btnClear.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnClearActionPerformed(evt);
            }
        });

        iconRFCCharacter.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCCharacter.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCCharacter.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCCharacter.setText(" » Minimo 12 caracteres");
        iconRFCCharacter.setFocusable(false);

        iconRFCExist.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        iconRFCExist.setForeground(new java.awt.Color(255, 255, 255));
        iconRFCExist.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        iconRFCExist.setText(" » RFC no encontrado");
        iconRFCExist.setFocusable(false);

        UserLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        UserLabel1.setForeground(new java.awt.Color(255, 255, 255));
        UserLabel1.setText("RFC");
        UserLabel1.setFocusable(false);

        javax.swing.GroupLayout PanelButtonsLayout = new javax.swing.GroupLayout(PanelButtons);
        PanelButtons.setLayout(PanelButtonsLayout);
        PanelButtonsLayout.setHorizontalGroup(
            PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(PanelButtonsLayout.createSequentialGroup()
                .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(PanelButtonsLayout.createSequentialGroup()
                        .addGap(12, 12, 12)
                        .addComponent(btnDelete)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(btnClear, javax.swing.GroupLayout.PREFERRED_SIZE, 205, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(PanelButtonsLayout.createSequentialGroup()
                        .addGap(71, 71, 71)
                        .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(UserLabel1)
                            .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 272, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(iconRFCExist)
                            .addComponent(iconRFCCharacter))))
                .addContainerGap(12, Short.MAX_VALUE))
        );
        PanelButtonsLayout.setVerticalGroup(
            PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelButtonsLayout.createSequentialGroup()
                .addGap(23, 23, 23)
                .addComponent(UserLabel1)
                .addGap(6, 6, 6)
                .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 20, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(PanelButtonsLayout.createSequentialGroup()
                        .addGap(10, 10, 10)
                        .addComponent(iconRFCExist)))
                .addGap(8, 8, 8)
                .addComponent(iconRFCCharacter)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(PanelButtonsLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(btnDelete)
                    .addComponent(btnClear))
                .addGap(15, 15, 15))
        );

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("ELIMINACION DE USUARIOS");

        jLabel9.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
        jLabel9.setText("» Ingrese RFC de usuario para eliminar datos:");

        txtSearchUsers.setBackground(new java.awt.Color(255, 255, 255));
        txtSearchUsers.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtSearchUsers.setForeground(new java.awt.Color(0, 0, 0));
        txtSearchUsers.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyTyped(evt);
            }
        });

        javax.swing.GroupLayout PanelDeleteLayout = new javax.swing.GroupLayout(PanelDelete);
        PanelDelete.setLayout(PanelDeleteLayout);
        PanelDeleteLayout.setHorizontalGroup(
            PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                  .addContainerGap(31, Short.MAX_VALUE)
                  .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                          .addGap(0, 0, Short.MAX_VALUE)
                          .addComponent(jLabel8)
                          .addGap(240, 240, 240))
                      .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, PanelDeleteLayout.createSequentialGroup()
                          .addComponent(PanelInfo, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                          .addComponent(PanelButtons, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addGap(51, 51, 51))
                      .addGroup(PanelDeleteLayout.createSequentialGroup()
                          .addGap(71, 71, 71)
                          .addComponent(jLabel9)
                          .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                          .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, 291, javax.swing.GroupLayout.PREFERRED_SIZE)
                          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
          );
          PanelDeleteLayout.setVerticalGroup(
            PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(PanelDeleteLayout.createSequentialGroup()
                  .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 59, javax.swing.GroupLayout.PREFERRED_SIZE)
                  .addGap(19, 19, 19)
                  .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                      .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, 40, javax.swing.GroupLayout.PREFERRED_SIZE))
                  .addGap(33, 33, 33)
                  .addGroup(PanelDeleteLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                      .addComponent(PanelInfo, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                      .addComponent(PanelButtons, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                  .addContainerGap(44, Short.MAX_VALUE))
          );

          javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);
          this.setLayout(layout);
          layout.setHorizontalGroup(
              layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addComponent(PanelDelete, javax.swing.GroupLayout.DEFAULT_SIZE, 996, Short.MAX_VALUE)
          );
          layout.setVerticalGroup(
              layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addComponent(PanelDelete, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
          );
      }// </editor-fold>

      private void txtEmailKeyTyped(java.awt.event.KeyEvent evt) {

      }

      private void txtUserKeyTyped(java.awt.event.KeyEvent evt) {

      }

      private void txtPassKeyTyped(java.awt.event.KeyEvent evt) {

      }

      private void txtUserActionPerformed(java.awt.event.ActionEvent evt) {
          // TODO add your handling code here:
      }

      private void txtNameKeyTyped(java.awt.event.KeyEvent evt) {
          // TODO add your handling code here:
      }

      private void txtSearchUsersKeyReleased(java.awt.event.KeyEvent evt) {
          validateRFC();
          iconRFCExist.setForeground(Color.WHITE);
          iconRFCCharacter.setForeground(Color.WHITE);
          Mayusculas(txtSearchUsers);
          if(check1 == true && check2 == true){
              userEntity = methodsSql.RFC(txtSearchUsers.getText());
              unlock();
              showData();
          }
      }

      private void txtSearchUsersKeyTyped(java.awt.event.KeyEvent evt) {
          int characterLimit=13;
              if(txtSearchUsers.getText().length()>=characterLimit){
                  evt.consume();
              }
      }

      private void btnClearActionPerformed(java.awt.event.ActionEvent evt) {
          clear();
      }

      private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
          DeleteUserValidate();
      }


      public void lock(){
          for(Component a: PanelInfo.getComponents()){
              a.setEnabled(false);
          }

          btnDelete.setEnabled(false);

      }

      public void unlock(){
          for(Component a: PanelInfo.getComponents()){
              a.setEnabled(true);
          }

          for(Component b: PanelButtons.getComponents()){
              b.setEnabled(true);
          }
      }

      public void clear(){
          txtSearchUsers.setText(null);
          txtRFC.setText(null);
```

```java
        txtState.setText(null);
        txtName.setText(null);
        txtEmail.setText(null);
        txtUser.setText(null);
        txtPass.setText(null);
        txtAge.setText(null);
        iconRFCExist.setIcon(red);
        iconRFCCharacter.setIcon(red);
        iconRFCExist.setText(" » RFC no encontrado");
        lock();
    }

    public void Mayusculas(javax.swing.JTextField jTextfieldS){
         String cadena = (txtSearchUsers.getText()).toUpperCase();
         txtSearchUsers.setText(cadena);
    }

    public void showData(){
        txtRFC.setText(userEntity.getRfc());
        String state= "";
        if (userEntity.getState() == 1) {
            state = "Administrador";
        } else {
            state = "Usuario";
        }
        txtState.setText(state);
        txtName.setText(userEntity.getName());
        txtEmail.setText(userEntity.getEmail());
        txtUser.setText(userEntity.getUser());
        txtPass.setText(userEntity.getPass());
        txtAge.setText(userEntity.getAge());
    }

    public void validateRFC(){
        if(methodsSql.ValidateRFC(txtSearchUsers.getText())){
            iconRFCExist.setText(" » RFC encontrado");
            iconRFCExist.setIcon(green);
            check1 = true;
        } else {
            iconRFCExist.setText(" » RFC no encontrado");
            iconRFCExist.setIcon(red);
            check1 = false;
            lock();
        }

        if(txtSearchUsers.getText().length() < 12){
            iconRFCCharacter.setText(" » Minimo 12 caracteres");
            iconRFCCharacter.setIcon(red);
            check2 = false;
            lock();
        } else {
            iconRFCCharacter.setIcon(green);
            check2 = true;
        }
    }

    public void DeleteUserValidate(){
        int i = JOptionPane.showConfirmDialog(null, "¿REALMENTE DESEAS ELIMINAR EL USUARIO?", "¡ALERTA!", JOptionPane.YES_NO_OPTION, JOptionPane.WARNING_MESSAGE);
        if(i == 0){
            methodsSql.DeleteUserAdmin(txtSearchUsers.getText());
            clear();
        }
    }



    // Variables declaration - do not modify
    private javax.swing.JPanel PanelButtons;
    private javax.swing.JPanel PanelDelete;
    private javax.swing.JPanel PanelInfo;
    private javax.swing.JLabel UserLabel1;
    private javax.swing.JButton btnClear;
    private javax.swing.JButton btnDelete;
    private javax.swing.JLabel iconRFCCharacter;
    private javax.swing.JLabel iconRFCExist;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JTextField txtAge;
    private javax.swing.JTextField txtEmail;
    private javax.swing.JTextField txtName;
    private javax.swing.JTextField txtPass;
    private javax.swing.JTextField txtRFC;
    private javax.swing.JTextField txtSearchUsers;
    private javax.swing.JTextField txtState;
    private javax.swing.JTextField txtUser;
    // End of variables declaration
}
```

PanelSearch

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.io.File;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
```

```

/**
 *
 * @author Restf
 */
public class PanelSearch extends javax.swing.JPanel {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon green = new ImageIcon(getClass().getResource("/resource/Check-True.png"));
    ImageIcon red = new ImageIcon(getClass().getResource("/resource/Check-False.png"));
    private boolean check1, check2;

    public PanelSearch() {
        initComponents();
        TableData.setModel(methodsSql.loadTableUser());

    }


    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        TableData = new javax.swing.JTable();
        txtSearchUsers = new javax.swing.JTextField();
        RFCExistsSearch = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(982, 641));
        jPanel1.setLayout(null);

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "» Ingrese RFC de usuario para actualizar datos", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Dialog", 1, 18), new java.awt.Color(255, 255, 255))); // NOI18N

        TableData.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        TableData.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null}
            },
            new String [] {
                "ID", "ESTADO", "NOMBRE", "CORREO", "RFC", "USUARIO", "CONTRASEÑA", "NACIMIENTO"
            }
        ) {
            boolean[] canEdit = new boolean [] {
                false, false, false, false, false, false, false, false
            };

            public boolean isCellEditable(int rowIndex, int columnIndex) {
                return canEdit [columnIndex];
            }
        });
        jScrollPane1.setViewportView(TableData);

        txtSearchUsers.setBackground(new java.awt.Color(255, 255, 255));
        txtSearchUsers.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtSearchUsers.setForeground(new java.awt.Color(0, 0, 0));
        txtSearchUsers.setPreferredSize(new java.awt.Dimension(220, 40));
        txtSearchUsers.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtSearchUsersKeyTyped(evt);
            }
        });

        RFCExistsSearch.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        RFCExistsSearch.setForeground(new java.awt.Color(255, 255, 255));
        RFCExistsSearch.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/Check-False.png"))); // NOI18N
        RFCExistsSearch.setText(" » RFC no encontrado");
        RFCExistsSearch.setFocusable(false);

        jButton2.setText("Generar PDF");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 933, Short.MAX_VALUE)
                        .addContainerGap())
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(RFCExistsSearch)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jButton2)
                        .addGap(27, 27, 27))))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(txtSearchUsers, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(RFCExistsSearch)
                    .addComponent(jButton2))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 491, Short.MAX_VALUE)
                .addContainerGap())
        );

        jPanel1.add(jPanel2);
        jPanel2.setBounds(15, 50, 955, 580);

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("CONSULTA DE USUARIOS");
        jPanel1.add(jLabel8);
        jLabel8.setBounds(251, 0, 475, 59);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);
        this.setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 996, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 645, Short.MAX_VALUE)
        );
    }// </editor-fold>

    private void txtSearchUsersKeyReleased(java.awt.event.KeyEvent evt) {
        validateRFCsearch();
        MayusculasRFC(txtSearchUsers);
        TableData.setModel(methodsSql.loadTableUserFilter(txtSearchUsers.getText()));
        if(txtSearchUsers.getText().equals("")){
            clear();
        }
    }

    private void txtSearchUsersKeyTyped(java.awt.event.KeyEvent evt) {
        int characterLimit=13;
            if(txtSearchUsers.getText().length()>=characterLimit){
                evt.consume();
            }
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        String url = null;
        JFileChooser dgl= new JFileChooser();
        int o=dgl.showSaveDialog(this);
        if(o== JFileChooser.APPROVE_OPTION){
            File f= dgl.getSelectedFile();
            url =f.toString();
        }
        methodsSql.pdfCreateTableUsers(url);
    }

    public void MayusculasRFC(javax.swing.JTextField jTextfieldS){
         String cadena = (txtSearchUsers.getText()).toUpperCase();
         txtSearchUsers.setText(cadena);
    }

    public void validateRFCsearch(){
        if(methodsSql.ValidateRFCicon(txtSearchUsers.getText())){
            RFCExistsSearch.setText(" » RFC encontrado");
            RFCExistsSearch.setIcon(green);
        } else {
            RFCExistsSearch.setText(" » RFC no encontrado");
            RFCExistsSearch.setIcon(red);
        }
    }

    public void clear(){
            RFCExistsSearch.setIcon(red);
            RFCExistsSearch.setText(" » RFC no encontrado");
            txtSearchUsers.setText(null);
            TableData.setModel(methodsSql.loadTableUser());
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel RFCExistsSearch;
    private javax.swing.JTable TableData;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTextField txtSearchUsers;
    // End of variables declaration
}
```

Sales

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.admin;

import code.MethodsSQL;
import java.io.File;
import javax.swing.JFileChooser;
import view.Login;

/**
 *
 * @author Restf
 */
```

```java
public class Sales extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();

    public Sales() {
        initComponents();
        setTitle("Car Agency - Ventas: [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);
        TableData.setModel(methodsSql.loadTableSales());
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        TableData = new javax.swing.JTable();
        txtDataFilter = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        btnSelectData = new javax.swing.JComboBox<>();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setMinimumSize(new java.awt.Dimension(1280, 720));

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.setText("VOLVER");
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });

        TableData.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        TableData.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, "", null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null},
                {null, null, null, null, null, null, null, null, null, null}
            },
            new String [] {
                "ID", "FOLIO", "NOMBRE", "MODELO", "N° SERIE", "PRECIO VEHICULO", "ADICIONALES", "PRECIO ADICIONAL", "PRECIO TOTAL", "TIPO DE PAGO"
            }
        ) {
            boolean[] canEdit = new boolean [] {
                false, false, false, false, false, false, false, false, false, false
            };

            public boolean isCellEditable(int rowIndex, int columnIndex) {
                return canEdit [columnIndex];
            }
        });
        jScrollPane1.setViewportView(TableData);

        txtDataFilter.setFont(new java.awt.Font("Dialog", 0, 16)); // NOI18N
        txtDataFilter.setEnabled(false);
        txtDataFilter.setPreferredSize(new java.awt.Dimension(220, 40));
        txtDataFilter.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtDataFilterKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtDataFilterKeyTyped(evt);
            }
        });

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText(" » Selecciona el dato a buscar:");

        btnSelectData.setFont(new java.awt.Font("Dialog", 1, 16)); // NOI18N
        btnSelectData.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "SELECCIONAR", "• Identificador", "• Folio", "• Nombre", "• IModelo", "• N° Serie", "• Precio Vehiculo", "• Adicionales", "• Precio Adicional", "• Precio Total", "• Tipo de Pago" }));
        btnSelectData.setPreferredSize(new java.awt.Dimension(220, 40));
        btnSelectData.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSelectDataActionPerformed(evt);
            }
        });

        jButton2.setText("Generar PDF");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel7)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 896, Short.MAX_VALUE)
                .addComponent(jButton2)
                .addGap(103, 103, 103))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(40, 40, 40)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(178, 178, 178)
                            .addComponent(jLabel1)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addComponent(btnSelectData, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addComponent(txtDataFilter, javax.swing.GroupLayout.PREFERRED_SIZE, 328, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 1200, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap(40, Short.MAX_VALUE)))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 66, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton2))
                .addContainerGap(648, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(25, 25, 25)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel1)
                        .addComponent(btnSelectData, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(txtDataFilter, javax.swing.GroupLayout.PREFERRED_SIZE, 41, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(18, 18, 18)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 611, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap(25, Short.MAX_VALUE)))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }// </editor-fold>

    private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        MenuAdmin menu = new MenuAdmin();
        menu.setVisible(true);
        dispose();
    }

    private void txtDataFilterKeyReleased(java.awt.event.KeyEvent evt) {
        MayusculasRFC(txtDataFilter);
        TableData.setModel(methodsSql.loadTableSalesFilter(btnSelectData.getSelectedIndex(), txtDataFilter.getText()));
    }

    private void txtDataFilterKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void btnSelectDataActionPerformed(java.awt.event.ActionEvent evt) {
        if (btnSelectData.getSelectedIndex() > 0) {
            txtDataFilter.setEnabled(true);
        } else {
            txtDataFilter.setEnabled(false);
        }
            clear();
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        String url = null;
        JFileChooser dgl= new JFileChooser();
        int o=dgl.showSaveDialog(this);
        if(o== JFileChooser.APPROVE_OPTION){
            File f= dgl.getSelectedFile();
            url =f.toString();
        }
        methodsSql.pdfCreateTableSales(url, btnSelectData.getSelectedIndex(), txtDataFilter.getText());
    }

    public void MayusculasRFC(javax.swing.JTextField jTextfieldS){
         String cadena = (txtDataFilter.getText()).toUpperCase();
         txtDataFilter.setText(cadena);
    }

    public void clear(){
        txtDataFilter.setText(null);
        TableData.setModel(methodsSql.loadTableSales());
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Sales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Sales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Sales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Sales.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Sales().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JTable TableData;
    private javax.swing.JComboBox<String> btnSelectData;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTextField txtDataFilter;
    // End of variables declaration
}
```

Users

```
package view.admin;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */


import java.awt.CardLayout;
import javax.swing.SwingUtilities;
import view.Login;

/**
 *
 * @author Restf
 */
public class Users extends javax.swing.JFrame {

    PanelSearch searchPanel = new PanelSearch();
    PanelEdit editPanel = new PanelEdit();
    PanelAdd addPanel = new PanelAdd();
    PanelDelete deletePanel = new PanelDelete();

    CardLayout view;


    public Users() {
        initComponents();
        setTitle("Car Agency - Lista de Usuarios - [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);
        view = (CardLayout) ContainerPanel.getLayout();

    }

    /**
```

```
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        btnBack = new javax.swing.JLabel();
        MenuButton = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        btnSearch = new javax.swing.JToggleButton();
        jPanel6 = new javax.swing.JPanel();
        btnEdit = new javax.swing.JToggleButton();
        jPanel7 = new javax.swing.JPanel();
        btnAdd = new javax.swing.JToggleButton();
        jPanel3 = new javax.swing.JPanel();
        btnDelete = new javax.swing.JToggleButton();
        ContainerPanel = new javax.swing.JPanel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setMinimumSize(new java.awt.Dimension(1280, 720));
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setName(""); // NOI18N
        jPanel1.setPreferredSize(new java.awt.Dimension(1280, 820));

        btnBack.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        btnBack.setForeground(new java.awt.Color(0, 0, 0));
        btnBack.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        btnBack.setText("VOLVER");
        btnBack.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                btnBackMouseClicked(evt);
            }
        });

        MenuButton.setBackground(new java.awt.Color(128, 153, 155));

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
```

```java

        btnSearch.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnSearch.setForeground(new java.awt.Color(255, 255, 255));
        btnSearch.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-search-off.png"))); // NOI18N
        btnSearch.setText("BUSCAR");
        btnSearch.setContentAreaFilled(false);
        btnSearch.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnSearch.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-search-on.png"))); // NOI18N
        btnSearch.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSearchActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(btnSearch, javax.swing.GroupLayout.PREFERRED_SIZE, 221, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnSearch, javax.swing.GroupLayout.DEFAULT_SIZE, 101, Short.MAX_VALUE)
        );

        jPanel6.setBackground(new java.awt.Color(128, 153, 155));
        jPanel6.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnEdit.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnEdit.setForeground(new java.awt.Color(255, 255, 255));
        btnEdit.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-edit-off.png"))); // NOI18N
        btnEdit.setText("MODIFICAR");
        btnEdit.setContentAreaFilled(false);
        btnEdit.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnEdit.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-edit-on.png"))); // NOI18N
        btnEdit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEditActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addComponent(btnEdit, javax.swing.GroupLayout.PREFERRED_SIZE, 220, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        jPanel6Layout.setVerticalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnEdit, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
        );

        jPanel7.setBackground(new java.awt.Color(128, 153, 155));
        jPanel7.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnAdd.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnAdd.setForeground(new java.awt.Color(255, 255, 255));
        btnAdd.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-add-off.png"))); // NOI18N
        btnAdd.setText("AGREGAR");
        btnAdd.setContentAreaFilled(false);
        btnAdd.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnAdd.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-add-on.png"))); // NOI18N
        btnAdd.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
                btnAddActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
        jPanel7.setLayout(jPanel7Layout);
        jPanel7Layout.setHorizontalGroup(
jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnAdd, javax.swing.GroupLayout.DEFAULT_SIZE, 218, Short.MAX_VALUE)
        );
        jPanel7Layout.setVerticalGroup(
jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnAdd, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
        );

        jPanel3.setBackground(new java.awt.Color(128, 153, 155));
jPanel3.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnDelete.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnDelete.setForeground(new java.awt.Color(255, 255, 255));
        btnDelete.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-delete-off.png"))); // NOI18N
        btnDelete.setText("ELIMINAR");
        btnDelete.setContentAreaFilled(false);
btnDelete.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnDelete.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-SubMenuUser-delete-on.png"))); // NOI18N
        btnDelete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnDeleteActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
            .addComponent(btnDelete, javax.swing.GroupLayout.DEFAULT_SIZE, 218, Short.MAX_VALUE)
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnDelete, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
        );

        javax.swing.GroupLayout MenuButtonLayout = new javax.swing.GroupLayout(MenuButton);
        MenuButton.setLayout(MenuButtonLayout);
        MenuButtonLayout.setHorizontalGroup(
            MenuButtonLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(MenuButtonLayout.createSequentialGroup()
                .addContainerGap()
                .addGroup(MenuButtonLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, MenuButtonLayout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );
        MenuButtonLayout.setVerticalGroup(
            MenuButtonLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(MenuButtonLayout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );

        ContainerPanel.setBackground(new java.awt.Color(128, 153, 155));
        ContainerPanel.setPreferredSize(new java.awt.Dimension(982, 641));
        ContainerPanel.setLayout(new java.awt.CardLayout());

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(btnBack, javax.swing.GroupLayout.PREFERRED_SIZE, 180, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(MenuButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(ContainerPanel, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(49, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(btnBack, javax.swing.GroupLayout.PREFERRED_SIZE, 60, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(59, 59, 59)
                .addComponent(MenuButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(95, Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(ContainerPanel, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(22, 22, 22))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 685, javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }// </editor-fold>

```

```java
    private void btnBackMouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        MenuAdmin menu = new MenuAdmin();
        menu.setVisible(true);
        dispose();
    }

    private void btnSearchActionPerformed(java.awt.event.ActionEvent evt) {
        if(btnSearch.isSelected()){
            ContainerPanel.add(searchPanel, "search");
            view.show(ContainerPanel, "search");
            SwingUtilities.updateComponentTreeUI(this);
            this.repaint();
            btnAdd.setEnabled(false);
            btnDelete.setEnabled(false);
            btnEdit.setEnabled(false);
            searchPanel.clear();
        } else {
            ContainerPanel.removeAll();
            SwingUtilities.updateComponentTreeUI(this);
            btnAdd.setEnabled(true);
            btnDelete.setEnabled(true);
            btnEdit.setEnabled(true);
        }
    }

    private void btnEditActionPerformed(java.awt.event.ActionEvent evt) {
        if(btnEdit.isSelected()){
            ContainerPanel.add(editPanel, "edit");
            view.show(ContainerPanel, "edit");
            SwingUtilities.updateComponentTreeUI(this);
            this.repaint();
            btnSearch.setEnabled(false);
            btnAdd.setEnabled(false);
            btnDelete.setEnabled(false);
            editPanel.clear();
        } else {
            ContainerPanel.removeAll();
            SwingUtilities.updateComponentTreeUI(this);
            btnSearch.setEnabled(true);
            btnAdd.setEnabled(true);
            btnDelete.setEnabled(true);
        }
    }

    private void btnAddActionPerformed(java.awt.event.ActionEvent evt) {
        if(btnAdd.isSelected()){
            ContainerPanel.add(addPanel, "add");
            view.show(ContainerPanel, "add");
            SwingUtilities.updateComponentTreeUI(this);
            this.repaint();
            btnSearch.setEnabled(false);
            btnDelete.setEnabled(false);
            btnEdit.setEnabled(false);
            addPanel.clear();
        } else {
            ContainerPanel.removeAll();
            SwingUtilities.updateComponentTreeUI(this);
            btnSearch.setEnabled(true);
            btnDelete.setEnabled(true);
            btnEdit.setEnabled(true);
        }
    }

    private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
        if(btnDelete.isSelected()){
            ContainerPanel.add(deletePanel, "delete");
            view.show(ContainerPanel, "delete");
            SwingUtilities.updateComponentTreeUI(this);
            this.repaint();
            btnSearch.setEnabled(false);
            btnAdd.setEnabled(false);
            btnEdit.setEnabled(false);
            deletePanel.clear();
        } else {
            ContainerPanel.removeAll();
            SwingUtilities.updateComponentTreeUI(this);
            btnSearch.setEnabled(true);
            btnAdd.setEnabled(true);
            btnEdit.setEnabled(true);
        }
    }


    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Users.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Users.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Users.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Users.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Users().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JPanel ContainerPanel;
    private javax.swing.JPanel MenuButton;
    private javax.swing.JToggleButton btnAdd;
    private javax.swing.JLabel btnBack;
    private javax.swing.JToggleButton btnDelete;
    private javax.swing.JToggleButton btnEdit;
    private javax.swing.JToggleButton btnSearch;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JPanel jPanel7;
    // End of variables declaration
}
```

MenuUser

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.user;

```

```java
import view.Login;
import view.Menu;
import view.ModifyUser;

/**
 *
 * @author serk9
 */
public class MenuUser extends javax.swing.JFrame {
    static Boolean ReloadData;
    /**
     * Creates new form prin
     */
    public MenuUser() {
        initComponents();
        setTitle("Car Agency - Menu de Usuario - [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);

    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel2 = new javax.swing.JPanel();
        leave = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jButton1 = new javax.swing.JButton();
        jPanel3 = new javax.swing.JPanel();
        btnVehicle = new javax.swing.JButton();
        jPanel7 = new javax.swing.JPanel();
        btnQuotation = new javax.swing.JButton();
        jPanel6 = new javax.swing.JPanel();
        btnPurchase = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel2.setBackground(new java.awt.Color(128, 153, 155));
        jPanel2.setPreferredSize(new java.awt.Dimension(1280, 720));

        leave.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        leave.setForeground(new java.awt.Color(0, 0, 0));
        leave.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        leave.setText("CERRAR SESION");
        leave.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                leaveMouseClicked(evt);
            }
        });

        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/user-128px.png"))); // NOI18N

        jLabel9.setFont(new java.awt.Font("Dialog", 1, 36)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("BIENVENIDO");

        jLabel10.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(255, 255, 255));
        jLabel10.setText("» Nombre: "+Login.userEntity.getName());

        jLabel11.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel11.setForeground(new java.awt.Color(255, 255, 255));
        jLabel11.setText("» Usuario: "+Login.userEntity.getUser());

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        jButton1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jButton1.setForeground(new java.awt.Color(255, 255, 255));
        jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-edit-off.png"))); // NOI18N
        jButton1.setText("CUENTA");
        jButton1.setContentAreaFilled(false);
        jButton1.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        jButton1.setPreferredSize(new java.awt.Dimension(236, 144));
        jButton1.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuAdmin-edit-on.png"))); // NOI18N
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 293, Short.MAX_VALUE)
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 152, Short.MAX_VALUE)
        );

        jPanel3.setBackground(new java.awt.Color(128, 153, 155));
        jPanel3.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnVehicle.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnVehicle.setForeground(new java.awt.Color(255, 255, 255));
        btnVehicle.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-vehicle-off.png"))); // NOI18N
        btnVehicle.setText(" VEHICULOS");
        btnVehicle.setContentAreaFilled(false);
        btnVehicle.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnVehicle.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-vehicle-on.png"))); // NOI18N
        btnVehicle.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnVehicleActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnVehicle, javax.swing.GroupLayout.DEFAULT_SIZE, 295, Short.MAX_VALUE)
        );
        jPanel3Layout.setVerticalGroup(
            jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnVehicle, javax.swing.GroupLayout.DEFAULT_SIZE, 152, Short.MAX_VALUE)
        );

        jPanel7.setBackground(new java.awt.Color(128, 153, 155));
        jPanel7.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnQuotation.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnQuotation.setForeground(new java.awt.Color(255, 255, 255));
        btnQuotation.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-price-off.png"))); // NOI18N
        btnQuotation.setText(" COTIZACION");
        btnQuotation.setContentAreaFilled(false);
        btnQuotation.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnQuotation.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-price-on.png"))); // NOI18N
        btnQuotation.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnQuotationActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
        jPanel7.setLayout(jPanel7Layout);
        jPanel7Layout.setHorizontalGroup(
            jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnQuotation, javax.swing.GroupLayout.DEFAULT_SIZE, 297, Short.MAX_VALUE)
        );
        jPanel7Layout.setVerticalGroup(
            jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnQuotation, javax.swing.GroupLayout.DEFAULT_SIZE, 152, Short.MAX_VALUE)
        );

        jPanel6.setBackground(new java.awt.Color(128, 153, 155));
        jPanel6.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

        btnPurchase.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnPurchase.setForeground(new java.awt.Color(255, 255, 255));
        btnPurchase.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-sell-off.png"))); // NOI18N
        btnPurchase.setText("COMPRA");
        btnPurchase.setContentAreaFilled(false);
        btnPurchase.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnPurchase.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-sell-on.png"))); // NOI18N
        btnPurchase.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPurchaseActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(
            jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnPurchase, javax.swing.GroupLayout.DEFAULT_SIZE, 297, Short.MAX_VALUE)
        );
        jPanel6Layout.setVerticalGroup(
            jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(btnPurchase, javax.swing.GroupLayout.DEFAULT_SIZE, 152, Short.MAX_VALUE)
        );

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(24, 24, 24)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 0, Short.MAX_VALUE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(leave)
                                .addContainerGap())
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                .addGap(245, 245, 245)
                                .addComponent(jLabel7)
                                .addContainerGap(584, Short.MAX_VALUE))))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addContainerGap())))
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(529, 529, 529)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel9)
```

```
                         .addGroup(jPanel2Layout.createSequentialGroup()
                             .addGap(6, 6, 6)
                             .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                 .addComponent(jLabel11)
                                 .addComponent(jLabel10))))
                     .addContainerGap(529, Short.MAX_VALUE)))
         );
         jPanel2Layout.setVerticalGroup(
           jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(20, 20, 20)
                         .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                         .addGap(18, 18, 18)
                         .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                     .addComponent(leave, javax.swing.GroupLayout.PREFERRED_SIZE, 66, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
                         .addContainerGap()
                         .addComponent(jLabel7)))
                 .addGap(22, 22, 22)
                 .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                 .addContainerGap(24, Short.MAX_VALUE))
             .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                 .addGroup(jPanel2Layout.createSequentialGroup()
                     .addGap(365, 365, 365)
                     .addComponent(jLabel9)
```

```java
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jLabel10)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jLabel11)
                    .addContainerGap(226, Short.MAX_VALUE)))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>

    private void leaveMouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        Menu menu = new Menu();
        menu.setVisible(true);
        dispose();
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        this.setVisible(false);
        ModifyUser modify = new ModifyUser();
        modify.setVisible(true);
        dispose();
    }

    private void btnVehicleActionPerformed(java.awt.event.ActionEvent evt) {
        this.setVisible(false);
        Vehicle vehicle = new Vehicle();
        vehicle.setVisible(true);
        dispose();
    }

    private void btnQuotationActionPerformed(java.awt.event.ActionEvent evt) {
        this.setVisible(false);
        Quotation quotation = new Quotation();
        quotation.setVisible(true);
        dispose();
    }

    private void btnPurchaseActionPerformed(java.awt.event.ActionEvent evt) {
        MenuUser.ReloadData = false;
        this.setVisible(false);
        Purchase purchase = new Purchase();
        purchase.setVisible(true);
        dispose();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(MenuUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(MenuUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(MenuUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(MenuUser.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new MenuUser().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnPurchase;
    private javax.swing.JButton btnQuotation;
    private javax.swing.JButton btnVehicle;
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JPanel jPanel7;
    private javax.swing.JLabel leave;
    // End of variables declaration
}
```

Purchase

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.user;

import code.Files;
import code.MethodsSQL;
import java.awt.Component;
import java.io.File;
import java.text.DecimalFormat;
import java.util.Properties;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
```

```java
import javax.activation.DataHandler;
import javax.activation.FileDataSource;
import javax.mail.BodyPart;
import javax.mail.Message;
import javax.mail.Session;
import javax.mail.Transport;
import javax.mail.internet.InternetAddress;
import javax.mail.internet.MimeBodyPart;
import javax.mail.internet.MimeMessage;
import javax.mail.internet.MimeMultipart;
import javax.swing.DefaultComboBoxModel;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
import javax.swing.JOptionPane;
import view.Login;

/**
 *
 * @author Restf
 */
public class Purchase extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    Files file = new Files();
    Boolean checkCar1, checkCar2, checkCar3, checkCar4, checkPay1, checkPay2;
    int price;
    ImageIcon car  = new ImageIcon(getClass().getResource("/resource/car.png"));
    ImageIcon nissanWhite  = new ImageIcon(getClass().getResource("/resource/car-nissan-white.png"));
    ImageIcon nissanRed    = new ImageIcon(getClass().getResource("/resource/car-nissan-red.png"));
    ImageIcon nissanOrange = new ImageIcon(getClass().getResource("/resource/car-nissan-orage.png"));
    ImageIcon nissanYellow = new ImageIcon(getClass().getResource("/resource/car-nissan-yellow.png"));
    ImageIcon nissanGreen  = new ImageIcon(getClass().getResource("/resource/car-nissan-green.png"));
    ImageIcon nissanBlue   = new ImageIcon(getClass().getResource("/resource/car-nissan-blue.png"));
    ImageIcon nissanGray   = new ImageIcon(getClass().getResource("/resource/car-nissan-gray.png"));

    ImageIcon audiWhite  = new ImageIcon(getClass().getResource("/resource/car-audi-white.png"));
    ImageIcon audiRed    = new ImageIcon(getClass().getResource("/resource/car-audi-red.png"));
    ImageIcon audiOrange = new ImageIcon(getClass().getResource("/resource/car-audi-orage.png"));
    ImageIcon audiYellow = new ImageIcon(getClass().getResource("/resource/car-audi-yellow.png"));
    ImageIcon audiGreen  = new ImageIcon(getClass().getResource("/resource/car-audi-green.png"));
    ImageIcon audiBlue   = new ImageIcon(getClass().getResource("/resource/car-audi-blue.png"));
    ImageIcon audiGray   = new ImageIcon(getClass().getResource("/resource/car-audi-gray.png"));

    ImageIcon volkswagenWhite  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-white.png"));
    ImageIcon volkswagenRed    = new ImageIcon(getClass().getResource("/resource/car-volkswagen-red.png"));
    ImageIcon volkswagenOrange = new ImageIcon(getClass().getResource("/resource/car-volkswagen-orage.png"));
    ImageIcon volkswagenYellow = new ImageIcon(getClass().getResource("/resource/car-volkswagen-yellow.png"));
    ImageIcon volkswagenGreen  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-green.png"));
    ImageIcon volkswagenBlue   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-blue.png"));
    ImageIcon volkswagenGray   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-gray.png"));

    public Purchase() {
        initComponents();
        setTitle("Car Agency - Compra - [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);
        lockTypePaymentPanel();
        if(MenuUser.ReloadData){
            load();
        } else {
            selectColorsNew.setVisible(false);
        }
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        selectCompany = new javax.swing.JComboBox<>();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        selectState = new javax.swing.JComboBox<>();
        selectModel = new javax.swing.JComboBox<>();
        jLabel3 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        selectSerial = new javax.swing.JComboBox<>();
        selectColors = new javax.swing.JComboBox<>();
        jLabel4 = new javax.swing.JLabel();
        selectColorsNew = new javax.swing.JComboBox<>();
        jLabel6 = new javax.swing.JLabel();
        txtPriceCar = new javax.swing.JLabel();
        txtExtra = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtPriceTotal = new javax.swing.JLabel();
        iconCar = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        selectTypePayment = new javax.swing.JComboBox<>();
        typePaymentPanel = new javax.swing.JPanel();
        txtCard = new javax.swing.JTextField();
        labelCar = new javax.swing.JLabel();
        txtCVV = new javax.swing.JTextField();
        labelCVV = new javax.swing.JLabel();
        labelMM = new javax.swing.JLabel();
        labelAA = new javax.swing.JLabel();
        txtMM = new javax.swing.JTextField();
        txtAA = new javax.swing.JTextField();
        txtPaypalEmail = new javax.swing.JTextField();
        labelPaypalEmail = new javax.swing.JLabel();
        labelPaypalPass = new javax.swing.JLabel();
        txtPaypalPass = new javax.swing.JPasswordField();
        btnPurchase = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setForeground(new java.awt.Color(51, 51, 51));
        jPanel1.setAutoscrolls(true);
        jPanel1.setPreferredSize(new java.awt.Dimension(1280, 720));
        jPanel1.setLayout(null);

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.setText("VOLVER");
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });
        jPanel1.add(jLabel7);
        jLabel7.setBounds(1086, 6, 174, 72);

        selectCompany.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectCompany.setMaximumRowCount(4);
        selectCompany.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NISSAN", "• AUDI", "• VOLKSWAGEN" }));
        selectCompany.setPreferredSize(new java.awt.Dimension(220, 40));
        selectCompany.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectCompanyActionPerformed(evt);
            }
        });
        jPanel1.add(selectCompany);
        selectCompany.setBounds(207, 127, 320, 40);

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("» COMPAÑIA");
        jLabel1.setToolTipText("");
        jPanel1.add(jLabel1);
        jLabel1.setBounds(76, 135, 113, 24);

        jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("» ESTADO");
        jLabel2.setToolTipText("");
        jPanel1.add(jLabel2);
        jLabel2.setBounds(80, 183, 90, 24);

        selectState.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectState.setMaximumRowCount(4);
        selectState.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NUEVO", "• SEMINUEVO", "• USADO", " " }));
        selectState.setEnabled(false);
        selectState.setPreferredSize(new java.awt.Dimension(220, 40));
        selectState.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectStateActionPerformed(evt);
            }
        });
        jPanel1.add(selectState);
```

```java
        selectState.setBounds(207, 175, 320, 40);

        selectModel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectModel.setMaximumRowCount(4);
        selectModel.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectModel.setEnabled(false);
        selectModel.setPreferredSize(new java.awt.Dimension(220, 40));
        selectModel.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectModelActionPerformed(evt);
            }
        });
        jPanel1.add(selectModel);
        selectModel.setBounds(207, 221, 320, 40);

        jLabel3.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("» MODELO");
        jLabel3.setToolTipText("");
        jPanel1.add(jLabel3);
        jLabel3.setBounds(76, 229, 94, 24);

        jLabel10.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(255, 255, 255));
        jLabel10.setText("» N! SERIE");
        jLabel10.setToolTipText("");
        jPanel1.add(jLabel10);
        jLabel10.setBounds(78, 275, 92, 24);

        selectSerial.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectSerial.setMaximumRowCount(4);
        selectSerial.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectSerial.setEnabled(false);
        selectSerial.setPreferredSize(new java.awt.Dimension(220, 40));
        selectSerial.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectSerialActionPerformed(evt);
            }
        });
        jPanel1.add(selectSerial);
        selectSerial.setBounds(207, 267, 320, 40);

        selectColors.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectColors.setMaximumRowCount(4);
        selectColors.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectColors.setEnabled(false);
        selectColors.setPreferredSize(new java.awt.Dimension(220, 40));
        selectColors.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectColorsActionPerformed(evt);
            }
        });
        jPanel1.add(selectColors);
        selectColors.setBounds(207, 313, 320, 40);

        jLabel4.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("» COLORES");
        jLabel4.setToolTipText("");
        jPanel1.add(jLabel4);
        jLabel4.setBounds(78, 321, 104, 24);

        selectColorsNew.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectColorsNew.setMaximumRowCount(4);
        selectColorsNew.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• BLANCO", "• ROJO", "• NARANJA", "• AMARILLO", "• VERDE", "• AZUL", "• GRIS" }));
        selectColorsNew.setEnabled(false);
        selectColorsNew.setPreferredSize(new java.awt.Dimension(220, 40));
        selectColorsNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectColorsNewActionPerformed(evt);
            }
        });
        jPanel1.add(selectColorsNew);
        selectColorsNew.setBounds(207, 359, 320, 40);

        jLabel6.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("PRECIO:        $");
        jPanel1.add(jLabel6);
        jLabel6.setBounds(716, 459, 167, 32);

        txtPriceCar.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
```

```java
        txtPriceCar.setForeground(new java.awt.Color(255, 255, 255));
        txtPriceCar.setText("-----------");
        jPanel1.add(txtPriceCar);
        txtPriceCar.setBounds(889, 459, 250, 32);

        txtExtra.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        txtExtra.setForeground(new java.awt.Color(255, 255, 255));
        txtExtra.setText("-----------");
        jPanel1.add(txtExtra);
        txtExtra.setBounds(889, 499, 250, 32);

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("ADICIONES:  $");
        jPanel1.add(jLabel8);
        jLabel8.setBounds(716, 497, 167, 32);

        jLabel9.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("TOTAL:         $");
        jPanel1.add(jLabel9);
        jLabel9.setBounds(719, 539, 167, 32);

        txtPriceTotal.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        txtPriceTotal.setForeground(new java.awt.Color(255, 255, 255));
        txtPriceTotal.setText("-----------");
        jPanel1.add(txtPriceTotal);
        txtPriceTotal.setBounds(889, 539, 250, 32);

        iconCar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/car.png"))); // NOI18N
        jPanel1.add(iconCar);
        iconCar.setBounds(596, 127, 575, 253);

        jLabel5.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("► SELECCIONA LOS SIGUIENTES DATOS  ◄");
        jLabel5.setToolTipText("");
        jPanel1.add(jLabel5);
        jLabel5.setBounds(108, 75, 391, 24);

        jLabel11.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel11.setForeground(new java.awt.Color(255, 255, 255));
        jLabel11.setText("» TIPO DE PAGO");
        jLabel11.setToolTipText("");
        jPanel1.add(jLabel11);
        jLabel11.setBounds(78, 428, 145, 24);

        selectTypePayment.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectTypePayment.setMaximumRowCount(4);
        selectTypePayment.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• TARJETA", "• PAYPAL" }));
        selectTypePayment.setEnabled(false);
        selectTypePayment.setPreferredSize(new java.awt.Dimension(220, 40));
        selectTypePayment.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectTypePaymentActionPerformed(evt);
            }
        });
        jPanel1.add(selectTypePayment);
        selectTypePayment.setBounds(235, 420, 284, 40);

        typePaymentPanel.setBackground(new java.awt.Color(128, 153, 155));
        typePaymentPanel.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
        typePaymentPanel.setEnabled(false);

        txtCard.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtCard.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtCard.setPreferredSize(new java.awt.Dimension(73, 34));
        txtCard.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtCardActionPerformed(evt);
            }
        });
        txtCard.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtCardKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtCardKeyTyped(evt);
            }
        });

        labelCar.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelCar.setForeground(new java.awt.Color(255, 255, 255));
        labelCar.setText("» N° TARJETA");
        labelCar.setToolTipText("");

        txtCVV.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtCVV.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtCVV.setPreferredSize(new java.awt.Dimension(73, 34));
        txtCVV.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtCVVKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtCVVKeyTyped(evt);
            }
        });

        labelCVV.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelCVV.setForeground(new java.awt.Color(255, 255, 255));
        labelCVV.setText("» CVV");
        labelCVV.setToolTipText("");

        labelMM.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelMM.setForeground(new java.awt.Color(255, 255, 255));
        labelMM.setText("» MES");
        labelMM.setToolTipText("");

        labelAA.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelAA.setForeground(new java.awt.Color(255, 255, 255));
        labelAA.setText("» AÑO");
        labelAA.setToolTipText("");

        txtMM.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtMM.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtMM.setPreferredSize(new java.awt.Dimension(73, 34));
        txtMM.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtMMActionPerformed(evt);
            }
        });
        txtMM.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtMMKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtMMKeyTyped(evt);
            }
        });

        txtAA.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtAA.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtAA.setPreferredSize(new java.awt.Dimension(73, 34));
        txtAA.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtAAActionPerformed(evt);
            }
        });
        txtAA.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtAAKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtAAKeyTyped(evt);
            }
        });

        txtPaypalEmail.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPaypalEmail.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtPaypalEmail.setPreferredSize(new java.awt.Dimension(73, 34));
        txtPaypalEmail.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPaypalEmailKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPaypalEmailKeyTyped(evt);
            }
        });

        labelPaypalEmail.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelPaypalEmail.setForeground(new java.awt.Color(255, 255, 255));
        labelPaypalEmail.setText("» CORREO");
        labelPaypalEmail.setToolTipText("");

        labelPaypalPass.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        labelPaypalPass.setForeground(new java.awt.Color(255, 255, 255));
        labelPaypalPass.setText("» CONTRASEÑA");
        labelPaypalPass.setToolTipText("");

        txtPaypalPass.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtPaypalPass.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtPaypalPass.setPreferredSize(new java.awt.Dimension(73, 34));
        txtPaypalPass.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPaypalPassKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPaypalPassKeyTyped(evt);
            }
        });

        javax.swing.GroupLayout typePaymentPanelLayout = new javax.swing.GroupLayout(typePaymentPanel);
        typePaymentPanel.setLayout(typePaymentPanelLayout);
        typePaymentPanelLayout.setHorizontalGroup(
            typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(typePaymentPanelLayout.createSequentialGroup()
                .addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(typePaymentPanelLayout.createSequentialGroup()
                        .addGap(28, 28, 28)
                        .addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(typePaymentPanelLayout.createSequentialGroup()
                                .addComponent(labelCVV)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(txtCVV, javax.swing.GroupLayout.PREFERRED_SIZE, 1, Short.MAX_VALUE))
                            .addComponent(labelCar, javax.swing.GroupLayout.Alignment.TRAILING))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                            .addComponent(txtCard, javax.swing.GroupLayout.PREFERRED_SIZE, 258, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(typePaymentPanelLayout.createSequentialGroup()
                                .addComponent(labelMM)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(txtMM, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(labelAA)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                 .addComponent(txtAA, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
.addGroup(typePaymentPanelLayout.createSequentialGroup()
.addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(typePaymentPanelLayout.createSequentialGroup()
                                 .addGap(0, 0, Short.MAX_VALUE)
                                 .addComponent(labelPaypalPass))
.addGroup(typePaymentPanelLayout.createSequentialGroup()
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                 .addComponent(labelPaypalEmail)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                             .addComponent(txtPaypalEmail, javax.swing.GroupLayout.DEFAULT_SIZE, 258, Short.MAX_VALUE)
                             .addComponent(txtPaypalPass, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                 .addContainerGap(44, Short.MAX_VALUE))
         );
         typePaymentPanelLayout.setVerticalGroup(
typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(typePaymentPanelLayout.createSequentialGroup()
                 .addGap(14, 14, 14)
.addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(labelCar)
                     .addComponent(txtCard, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(txtCVV, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(labelCVV)
                     .addComponent(txtMM, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(txtAA, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                     .addComponent(labelMM)
                     .addComponent(labelAA))
                 .addGap(27, 27, 27)
                 .addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(labelPaypalEmail)
                     .addComponent(txtPaypalEmail, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                 .addGroup(typePaymentPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(labelPaypalPass)
                     .addComponent(txtPaypalPass, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                 .addContainerGap(31, Short.MAX_VALUE))
         );

         jPanel1.add(typePaymentPanel);
         typePaymentPanel.setBounds(67, 472, 476, 228);

         btnPurchase.setBackground(new java.awt.Color(255, 255, 255));
         btnPurchase.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
         btnPurchase.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/ready-off.png"))); // NOI18N
         btnPurchase.setText("COMPRAR");
         btnPurchase.setEnabled(false);
         btnPurchase.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/ready-on.png"))); // NOI18N
         btnPurchase.addActionListener(new java.awt.event.ActionListener() {
             public void actionPerformed(java.awt.event.ActionEvent evt) {
                 btnPurchaseActionPerformed(evt);
             }
         });
         jPanel1.add(btnPurchase);
         btnPurchase.setBounds(700, 600, 340, 80);

         javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
         getContentPane().setLayout(layout);
         layout.setHorizontalGroup(
             layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                 .addGap(0, 0, Short.MAX_VALUE))
         );
         layout.setVerticalGroup(
             layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                 .addGap(0, 0, Short.MAX_VALUE))
         );

         pack();
     }// </editor-fold>

     private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
         MenuUser.ReloadData = false;
         this.setVisible(false);
         MenuUser menu = new MenuUser();
         menu.setVisible(true);
         dispose();
     }

     private void selectCompanyActionPerformed(java.awt.event.ActionEvent evt) {
         if(MenuUser.ReloadData){
             load();
         } else {
             if (selectCompany.getSelectedIndex() > 0) {
                 selectState.setEnabled(true);
                 selectState.setSelectedIndex(0);
                 iconCar.setIcon(car);
                 txtPriceCar.setText("-----------");
                 txtExtra.setText("-----------");
                 txtPriceTotal.setText("-----------");
                 switch(selectCompany.getSelectedIndex()){
```

```java
                    case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                    case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                    case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
                }
            } else {
                clear();
            }
        }
    }

    private void selectStateActionPerformed(java.awt.event.ActionEvent evt) {
        if(MenuUser.ReloadData){
            load();
        } else {
        if (selectState.getSelectedIndex() > 0) {
            selectModel.setEnabled(true);
            selectSerial.setEnabled(false);
            selectSerial.setSelectedIndex(0);
            txtPriceCar.setText("------------");
            txtExtra.setText("------------");
            txtPriceTotal.setText("------------");
            switch(selectCompany.getSelectedIndex()){
                case 1:
                iconCar.setIcon(nissanWhite);
                break;
                case 2:
                iconCar.setIcon(audiWhite);
                break;
                case 3:
                iconCar.setIcon(volkswagenWhite);
                break;
            }
            selectModel.setModel(methodsSql.loadModels(selectCompany.getSelectedIndex(), selectState.getSelectedIndex()));
        } else {
            iconCar.setIcon(car);
            selectModel.setEnabled(false);
            selectSerial.setEnabled(false);
            selectColors.setEnabled(false);
            selectModel.setSelectedIndex(0);
            selectSerial.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
        }}
    }

    private void selectModelActionPerformed(java.awt.event.ActionEvent evt) {
        if(MenuUser.ReloadData){
            load();
        } else {
        if (selectModel.getSelectedIndex() > 0) {
            selectSerial.setEnabled(true);
            String txtmodel = selectModel.getSelectedItem().toString();
            String model = txtmodel.substring(2);
            selectSerial.setModel(methodsSql.loadSerial(model));
            txtPriceCar.setText("-----------");
            txtExtra.setText("-----------");
            txtPriceTotal.setText("-----------");
        } else {
            selectSerial.setEnabled(false);
            selectColors.setEnabled(false);
            selectSerial.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
        }}
    }

    private void selectSerialActionPerformed(java.awt.event.ActionEvent evt) {
        if(MenuUser.ReloadData){
            load();
        } else {
            if (selectSerial.getSelectedIndex() > 0) {
                selectColors.setEnabled(true);
                String txt = selectSerial.getSelectedItem().toString();
                String txtmodel = txt.substring(2);
                int model = Integer.parseInt(txtmodel);
                selectColors.setModel(methodsSql.loadColorsQuotation(model));
                String s = moneyFormat(methodsSql.loadPriceCar(model));
                txtPriceCar.setText(s);
                if(!selectColorsNew.isEnabled()){
                    txtPriceTotal.setText(s);
                }

            } else {
                selectColors.setEnabled(false);
                selectColors.setSelectedIndex(0);
            }
        }
    }

    private void selectColorsActionPerformed(java.awt.event.ActionEvent evt) {
        if(MenuUser.ReloadData){
            load();
        } else {
            String txtcompany = selectCompany.getSelectedItem().toString();
            String company = txtcompany.substring(2);
            String txtcolor = selectColors.getSelectedItem().toString();
            String color = txtcolor.substring(2);
            switch(company){
                case "NISSAN":
                switch(color){
                    case "BLANCO":
                    iconCar.setIcon(nissanWhite);
                    break;
                    case "ROJO":
                    iconCar.setIcon(nissanRed);
                    break;
                    case "NARANJA":
                    iconCar.setIcon(nissanOrange);
                    break;
                    case "AMARILLO":
                    iconCar.setIcon(nissanYellow);
                    break;
                    case "VERDE":
                    iconCar.setIcon(nissanGreen);
                    break;
                    case "AZUL":
                    iconCar.setIcon(nissanBlue);
                    break;
                    case "GRIS":
                    iconCar.setIcon(nissanGray);
                    break;
                }
                break;
                case "AUDI":
                switch(color){
                    case "BLANCO":
                    iconCar.setIcon(audiWhite);
                    break;
                    case "ROJO":
                    iconCar.setIcon(audiRed);
                    break;
                    case "NARANJA":
                    iconCar.setIcon(audiOrange);
                    break;
                    case "AMARILLO":
                    iconCar.setIcon(audiYellow);
                    break;
                    case "VERDE":
                    iconCar.setIcon(audiGreen);
                    break;
                    case "AZUL":
                    iconCar.setIcon(audiBlue);
                    break;
                    case "GRIS":
                    iconCar.setIcon(audiGray);
                    break;
                }
                break;
                case "VOLKSWAGEN":
                switch(color){
                    case "BLANCO":
                    iconCar.setIcon(volkswagenWhite);
                    break;
                    case "ROJO":
                    iconCar.setIcon(volkswagenRed);
```

```java
                    break;
                    case "NARANJA":
                    iconCar.setIcon(volkswagenOrange);
                    break;
                    case "AMARILLO":
                    iconCar.setIcon(volkswagenYellow);
                    break;
                    case "VERDE":
                    iconCar.setIcon(volkswagenGreen);
                    break;
                    case "AZUL":
                    iconCar.setIcon(volkswagenBlue);
                    break;
                    case "GRIS":
                    iconCar.setIcon(volkswagenGray);
                    break;
                }
                break;
            }

            if(!selectColors.getSelectedItem().equals("Seleccionar") &&
               !selectColors.getSelectedItem().equals("• Otro: ")){
                    selectTypePayment.setEnabled(true);
            } else {
                    selectTypePayment.setSelectedIndex(0);
                    selectTypePayment.setEnabled(false);
            }
        if(selectColors.getSelectedItem().equals("• Otro: ")){
            selectColorsNew.setVisible(true);
            selectColorsNew.setEnabled(true);
            selectColorsNew.setSelectedIndex(0);
            switch(selectCompany.getSelectedIndex()){
                case 1:
                iconCar.setIcon(nissanWhite);
                break;
                case 2:
                iconCar.setIcon(audiWhite);
                break;
                case 3:
                iconCar.setIcon(volkswagenWhite);
                break;
            }
        } else {
            selectColorsNew.setSelectedIndex(0);
            selectColorsNew.setVisible(false);
        }

        }
    }

    private void selectTypePaymentActionPerformed(java.awt.event.ActionEvent evt) {
        switch(selectTypePayment.getSelectedIndex()){
            case 1:
                txtCard.setEnabled(true);
                txtCVV.setEnabled(true);
                txtMM.setEnabled(true);
                txtAA.setEnabled(true);
                labelCar.setEnabled(true);
                labelCVV.setEnabled(true);
                labelMM.setEnabled(true);
                labelAA.setEnabled(true);

                txtPaypalEmail.setEnabled(false);
                txtPaypalPass.setEnabled(false);
                labelPaypalEmail.setEnabled(false);
                labelPaypalPass.setEnabled(false);
                txtPaypalEmail.setText(null);
                txtPaypalPass.setText(null);

                break;
            case 2:
                txtPaypalEmail.setEnabled(true);
                txtPaypalPass.setEnabled(true);
                labelPaypalEmail.setEnabled(true);
                labelPaypalPass.setEnabled(true);

                txtCard.setEnabled(false);
                txtCVV.setEnabled(false);
                txtMM.setEnabled(false);
                txtAA.setEnabled(false);
                labelCar.setEnabled(false);
                labelCVV.setEnabled(false);
                labelMM.setEnabled(false);
                labelAA.setEnabled(false);
                txtCard.setText(null);
                txtCVV.setText(null);
                txtMM.setText(null);
                txtAA.setText(null);
                break;
            default:
                lockTypePaymentPanel();
                break;
        }
        btnPurchase.setEnabled(false);
    }

    private void txtMMActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtAAActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void btnPurchaseActionPerformed(java.awt.event.ActionEvent evt) {
        int i = JOptionPane.showConfirmDialog(
                null, "CONFIRME PORFAVOR SU COMPRA PARA PROCESAR EL PAGO!",
                "¡ALERTA!", JOptionPane.YES_NO_OPTION, JOptionPane.PLAIN_MESSAGE);
        if(i == 0){
            int id = Login.userEntity.getId();
            int folio = (int) (Math.random()*1500+1000);
            String name = Login.userEntity.getName();
            String model, additional = null;
            int serial_number;
            if(MenuUser.ReloadData){
                model = selectModel.getSelectedItem().toString();
                serial_number = Integer.parseInt(selectSerial.getSelectedItem().toString());
            } else {
                String txtmodel = selectModel.getSelectedItem().toString();
                String txttmodel = txtmodel.substring(2);
                model = txttmodel;
                String txtserial = selectSerial.getSelectedItem().toString();
                String txttserial = txtserial.substring(2);
                serial_number = Integer.parseInt(txttserial);
            }
            int price_car = methodsSql.loadPriceCar(serial_number);
            if(selectColorsNew.isEnabled()){
                additional = "YES";
            } else {
                additional = "NOT";
            }
            int price_additional = price;
            int price_total = price_car + price_additional;
            int type_payment = selectTypePayment.getSelectedIndex();
            methodsSql.Purchase(id, folio, name, model, serial_number, price_car, additional, price_additional, price_total, type_payment);
//             methodsSql.DeleteCarPurchase(serial_number);
            validateRecive();
        }
    }

    private void selectColorsNewActionPerformed(java.awt.event.ActionEvent evt) {
        if(MenuUser.ReloadData){
            load();
        } else {
            if(selectColorsNew.isEnabled()){
                String txtcompany = selectCompany.getSelectedItem().toString();
                String company = txtcompany.substring(2);
                String txtcolor = selectColorsNew.getSelectedItem().toString();
                String color = txtcolor.substring(2);
                switch(company){
                    case "NISSAN":
                    switch(color){
                        case "BLANCO":
```

```
                    price = 15000;
                    iconCar.setIcon(nissanWhite);
                    break;
                    case "ROJO":
                    price = 10000;
                    iconCar.setIcon(nissanRed);
                    break;
                    case "NARANJA":
                    price = 5000;
                    iconCar.setIcon(nissanOrange);
                    break;
                    case "AMARILLO":
                    price = 8000;
                    iconCar.setIcon(nissanYellow);
                    break;
                    case "VERDE":
                    price = 9000;
                    iconCar.setIcon(nissanGreen);
                    break;
                    case "AZUL":
                    price = 12000;
                    iconCar.setIcon(nissanBlue);
                    break;
                    case "GRIS":
                    price = 13000;
                    iconCar.setIcon(nissanGray);
                    break;
                }
                break;
                case "AUDI":
                switch(color){
                    case "BLANCO":
                    price = 15000;
                    iconCar.setIcon(audiWhite);
                    break;
                    case "ROJO":
                    price = 10000;
                    iconCar.setIcon(audiRed);
                    break;
                    case "NARANJA":
                    price = 5000;
                    iconCar.setIcon(audiOrange);
                    break;
                    case "AMARILLO":
                    price = 8000;
                    iconCar.setIcon(audiYellow);
                    break;
                    case "VERDE":
                    price = 9000;
                    iconCar.setIcon(audiGreen);
                    break;
                    case "AZUL":
                    price = 12000;
                    iconCar.setIcon(audiBlue);
                    break;
                    case "GRIS":
                    price = 13000;
```

```
                        iconCar.setIcon(audiGray);
                        break;
                    }
                    break;
                    case "VOLKSWAGEN":
                    switch(color){
                        case "BLANCO":
                        price = 15000;
                        iconCar.setIcon(volkswagenWhite);
                        break;
                        case "ROJO":
                        price = 10000;
                        iconCar.setIcon(volkswagenRed);
                        break;
                        case "NARANJA":
                        price = 5000;
                        iconCar.setIcon(volkswagenOrange);
                        break;
                        case "AMARILLO":
                        price = 8000;
                        iconCar.setIcon(volkswagenYellow);
                        break;
                        case "VERDE":
                        price = 9000;
                        iconCar.setIcon(volkswagenGreen);
                        break;
                        case "AZUL":
                        price = 12000;
                        iconCar.setIcon(volkswagenBlue);
                        break;
                        case "GRIS":
                        price = 13000;
                        iconCar.setIcon(volkswagenGray);
                        break;
                    }
                    break;
                }
                    String s = moneyFormat(price);
                    txtExtra.setText(s);
                    String txt = selectSerial.getSelectedItem().toString();
                    String txtmodel = txt.substring(2);
                    int model = Integer.parseInt(txtmodel);
                    int extra = methodsSql.loadPriceCar(model);
                    int price_total = price + extra;
                    txtPriceTotal.setText(moneyFormat(price_total));
                    if(!selectColorsNew.getSelectedItem().equals("Seleccionar")){
                        selectTypePayment.setEnabled(true);
                    } else {
                        selectTypePayment.setEnabled(false);
                        selectTypePayment.setSelectedIndex(0);
                    }
            }
        }
    }

    private void txtCardKeyTyped(java.awt.event.KeyEvent evt) {
        char num = evt.getKeyChar();
        if(num<48 || num>57) evt.consume();
        if(txtCard.getText().length()>=16) evt.consume();
    }

    private void txtCVVKeyTyped(java.awt.event.KeyEvent evt) {
        char num = evt.getKeyChar();
        if(num<48 || num>57) evt.consume();
        if(txtCVV.getText().length()>=3) evt.consume();
    }

            private void txtMMKeyTyped(java.awt.event.KeyEvent evt) {
                char num = evt.getKeyChar();
                if(num<48 || num>57) evt.consume();
                if(txtMM.getText().length()>=2) evt.consume();
            }

            private void txtAAKeyTyped(java.awt.event.KeyEvent evt) {
                char num = evt.getKeyChar();
                if(num<48 || num>57) evt.consume();
                if(txtAA.getText().length()>=2) evt.consume();
            }

            private void txtPaypalPassKeyTyped(java.awt.event.KeyEvent evt) {
                char c = evt.getKeyChar();
                if((c<48 || c>57) && (c<65 || c>90) && (c<97 || c>122)) {
                    evt.consume(); }
                if(txtPaypalPass.getText().length()>=30) evt.consume();
            }

            private void txtPaypalEmailKeyTyped(java.awt.event.KeyEvent evt) {
                int c = evt.getKeyChar();
                if((c<48 || c>57) && (c<64 || c>90) &&
                   (c<97 || c>122) && (c!=45) && (c!=46) &&
                   (c!=95)){ evt.consume(); }
                if(txtPaypalEmail.getText().length()>=30) evt.consume();
            }

            private void txtCardKeyReleased(java.awt.event.KeyEvent evt) {
                if(txtCard.getText().length() == 16){ checkCar1 = true;
                } else { checkCar1 = false; }
                btnValidateCard();
            }

            private void txtCVVKeyReleased(java.awt.event.KeyEvent evt) {
```

```
        if(txtCVV.getText().length() == 3){ checkCar2 = true;
        } else { checkCar2 = false; }
        btnValidateCard();
    }

    private void txtMMKeyReleased(java.awt.event.KeyEvent evt) {
        if(txtMM.getText().length() == 2){ checkCar3 = true;
        } else { checkCar3 = false; }
        btnValidateCard();
    }

    private void txtAAKeyReleased(java.awt.event.KeyEvent evt) {
        if(txtAA.getText().length() == 2){ checkCar4 = true;
        } else { checkCar4 = false; }
        btnValidateCard();
    }

    private void txtPaypalEmailKeyReleased(java.awt.event.KeyEvent evt) {
        checkPay1 = isEmail(txtPaypalEmail.getText());
        btnValidatePaypal();
    }

    private void txtPaypalPassKeyReleased(java.awt.event.KeyEvent evt) {
        if(txtPaypalPass.getText().length() > 8){ checkPay2 = true;
        } else { checkPay2 = false; }
        btnValidatePaypal();
    }

    private void txtCardActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private String moneyFormat(int i){
        DecimalFormat money = new DecimalFormat("###,###,###");
        String s = money.format(i);
        return s;
    }

    private void clear(){
        selectState.setEnabled(false);
        selectModel.setEnabled(false);
        selectColors.setEnabled(false);
        selectColorsNew.setEnabled(false);
        selectSerial.setEnabled(false);
        selectTypePayment.setEnabled(false);
        selectState.setSelectedIndex(0);
        selectModel.setSelectedIndex(0);
```

```java
            selectSerial.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
            selectColorsNew.setSelectedIndex(0);
            selectTypePayment.setSelectedIndex(0);
            iconCar.setIcon(car);
        }

        private void load(){
            selectCompany.setEnabled(true);
            String txtCompany = Quotation.selectCompany.getSelectedItem().toString();
            String txttCompany = txtCompany.substring(2);
            DefaultComboBoxModel company = new DefaultComboBoxModel();
            company.addElement(txttCompany);
            selectCompany.setModel(company);
            switch(selectCompany.getSelectedItem().toString()){
                case "NISSAN":
                iconCar.setIcon(nissanWhite);
                break;
                case "AUDI":
                iconCar.setIcon(audiWhite);
                break;
                case "VOLKSWAGEN":
                iconCar.setIcon(volkswagenWhite);
                break;
            }
            selectState.setEnabled(true);
            String txtState = Quotation.selectState.getSelectedItem().toString();
            String txttState = txtState.substring(2);
            DefaultComboBoxModel state = new DefaultComboBoxModel();
            state.addElement(txttState);
            selectState.setModel(state);

            selectModel.setEnabled(true);
            String txtModel = Quotation.selectModel.getSelectedItem().toString();
            String txttModel = txtModel.substring(2);
            DefaultComboBoxModel model = new DefaultComboBoxModel();
            model.addElement(txttModel);
            selectModel.setModel(model);

            selectSerial.setEnabled(true);
            String txtSerial = Quotation.selectSerial.getSelectedItem().toString();
            String txttSerial = txtSerial.substring(2);
            DefaultComboBoxModel serial = new DefaultComboBoxModel();
            serial.addElement(txttSerial);
            selectSerial.setModel(serial);

            if(Quotation.selectColors.getSelectedItem().equals("• Otro: ")){
```

```
        selectColors.setEnabled(true);
        String txtColors = Quotation.selectColorsNew.getSelectedItem().toString();
        String txttColors = txtColors.substring(2);
        DefaultComboBoxModel colors = new DefaultComboBoxModel();
        colors.addElement(txttColors);
        selectColors.setModel(colors);
    } else {
        selectColors.setEnabled(true);
        String txtColors = Quotation.selectColors.getSelectedItem().toString();
        String txttColors = txtColors.substring(2);
        DefaultComboBoxModel colors = new DefaultComboBoxModel();
        colors.addElement(txttColors);
        selectColors.setModel(colors);
    }
    switch(selectCompany.getSelectedItem().toString()){
        case "NISSAN":
        switch(selectColors.getSelectedItem().toString()){
            case "BLANCO":
            iconCar.setIcon(nissanWhite);
            break;
            case "ROJO":
            iconCar.setIcon(nissanRed);
            break;
            case "NARANJA":
            iconCar.setIcon(nissanOrange);
            break;
            case "AMARILLO":
            iconCar.setIcon(nissanYellow);
            break;
            case "VERDE":
            iconCar.setIcon(nissanGreen);
            break;
            case "AZUL":
            iconCar.setIcon(nissanBlue);
            break;
            case "GRIS":
            iconCar.setIcon(nissanGray);
            break;
        }
        break;
        case "AUDI":
        switch(selectColors.getSelectedItem().toString()){
            case "BLANCO":
            iconCar.setIcon(audiWhite);
            break;
            case "ROJO":
            iconCar.setIcon(audiRed);
            break;
            case "NARANJA":
            iconCar.setIcon(audiOrange);
```

```
                    break;
                    case "AMARILLO":
                    iconCar.setIcon(audiYellow);
                    break;
                    case "VERDE":
                    iconCar.setIcon(audiGreen);
                    break;
                    case "AZUL":
                    iconCar.setIcon(audiBlue);
                    break;
                    case "GRIS":
                    iconCar.setIcon(audiGray);
                    break;
                }
                break;
                case "VOLKSWAGEN":
                switch(selectColors.getSelectedItem().toString()){
                    case "BLANCO":
                    iconCar.setIcon(volkswagenWhite);
                    break;
                    case "ROJO":
                    iconCar.setIcon(volkswagenRed);
                    break;
                    case "NARANJA":
                    iconCar.setIcon(volkswagenOrange);
                    break;
                    case "AMARILLO":
                    iconCar.setIcon(volkswagenYellow);
                    break;
                    case "VERDE":
                    iconCar.setIcon(volkswagenGreen);
                    break;
                    case "AZUL":
                    iconCar.setIcon(volkswagenBlue);
                    break;
                    case "GRIS":
                    iconCar.setIcon(volkswagenGray);
                    break;
                }
                break;
            }
            selectColorsNew.setVisible(false);
            selectTypePayment.setEnabled(true);
            txtPriceCar.setText(Quotation.txtPriceCar.getText());
            txtExtra.setText(Quotation.txtExtra.getText());
            txtPriceTotal.setText(Quotation.txtPriceTotal.getText());
        }

        public void lockTypePaymentPanel(){
            for(Component a: typePaymentPanel.getComponents()){
                a.setEnabled(false);
            }
        }
```

```java

        public void btnValidateCard(){
            if(txtCard.getText().equals("") || txtCVV.getText().equals("") ||
               txtMM.getText() .equals("") || txtAA.getText().equals("")){
                    btnPurchase.setEnabled(false);
            } else {
                if(checkCar1 == true && checkCar2 == true && checkCar3 == true && checkCar4 == true){
                    btnPurchase.setEnabled(true);
                }
            }
        }

        public void btnValidatePaypal(){
            if(txtPaypalEmail.getText().equals("") || txtPaypalPass.getText().equals("")){
                    btnPurchase.setEnabled(false);
            } else {
                if(checkPay1 == true && checkPay2 == true){
                    btnPurchase.setEnabled(true);
                }
            }
        }

        public boolean isEmail(String correo) {
            Pattern pattern = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
            Matcher mather = pattern.matcher(correo);
            if (mather.find()) {
                return true;
            }else{
                return false;
            }
        }

        public void validateRecive(){
            int i = JOptionPane.showConfirmDialog(
                    null, "¿DESEAS GENERAR UNA FACTURA? \n\t SE CREARA UNA FACTURA PDF Y AL CORREO REGISTRADO",
                    "", JOptionPane.YES_NO_OPTION, JOptionPane.DEFAULT_OPTION);
            if(i==0){
                String url = null;
                JFileChooser loadUrlFile1 = new JFileChooser();
                int o = loadUrlFile1.showSaveDialog(this);
                if(o== JFileChooser.APPROVE_OPTION){
                    File fileUrl = loadUrlFile1.getSelectedFile();
                    url = fileUrl.toString();
                }
                file.pdfCreateFile(url, txtPriceCar.getText(), txtExtra.getText(), txtPriceTotal.getText(), i);
```

```java
                    pdfSendEmail(url, Login.userEntity.getEmail());
                }
            }

            public void pdfSendEmail(String url, String receiver){
                try{
                    Properties props = new Properties();
                    props.put("mail.smtp.host", "smtp.gmail.com");
                    props.setProperty("mail.smtp.starttls.enable", "true");
                    props.setProperty("mail.smtp.port", "587");
                    props.setProperty("mail.smtp.user", "admicaragency01");
                    props.setProperty("mail.smtp.auth", "true");

                    Session session = Session.getDefaultInstance(props, null);

                    BodyPart texto = new MimeBodyPart();
                    texto.setText("Gracias por comprar en Car Agency :D");

                    BodyPart adjunto = new MimeBodyPart();
                    adjunto.setDataHandler(
                        new DataHandler(new FileDataSource(url+".pdf")));
                    adjunto.setFileName("Factura.pdf");

                    MimeMultipart multiParte = new MimeMultipart();
                    multiParte.addBodyPart(texto);
                    multiParte.addBodyPart(adjunto);

                    MimeMessage message = new MimeMessage(session);
                    message.setFrom(new InternetAddress("prueba@prueba.com"));
                    message.addRecipient(
                        Message.RecipientType.TO,
                        new InternetAddress(receiver));
                    message.setSubject("FACTURA - CAR AGENCY");
                    message.setContent(multiParte);

                    Transport t = session.getTransport("smtp");
                    t.connect("admicaragency01@gmail.com", "contr@@10");
                    t.sendMessage(message, message.getAllRecipients());
                    t.close();
                } catch (Exception e) {
                    System.out.println(e);
                }
            }

            /**
             * @param args the command line arguments
```

```
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Purchase().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnPurchase;
    private javax.swing.JLabel iconCar;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
```

```
        private javax.swing.JLabel jLabel4;
        private javax.swing.JLabel jLabel5;
        private javax.swing.JLabel jLabel6;
        private javax.swing.JLabel jLabel7;
        private javax.swing.JLabel jLabel8;
        private javax.swing.JLabel jLabel9;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JLabel labelAA;
        private javax.swing.JLabel labelCVV;
        private javax.swing.JLabel labelCar;
        private javax.swing.JLabel labelMM;
        private javax.swing.JLabel labelPaypalEmail;
        private javax.swing.JLabel labelPaypalPass;
        public static javax.swing.JComboBox<String> selectColors;
        public static javax.swing.JComboBox<String> selectColorsNew;
        public static javax.swing.JComboBox<String> selectCompany;
        public static javax.swing.JComboBox<String> selectModel;
        public static javax.swing.JComboBox<String> selectSerial;
        public static javax.swing.JComboBox<String> selectState;
        public static javax.swing.JComboBox<String> selectTypePayment;
        private javax.swing.JTextField txtAA;
        private javax.swing.JTextField txtCVV;
        private javax.swing.JTextField txtCard;
        private javax.swing.JLabel txtExtra;
        private javax.swing.JTextField txtMM;
        private javax.swing.JTextField txtPaypalEmail;
        private javax.swing.JPasswordField txtPaypalPass;
        private javax.swing.JLabel txtPriceCar;
        private javax.swing.JLabel txtPriceTotal;
        private javax.swing.JPanel typePaymentPanel;
        // End of variables declaration
    }
```

Quotation

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.user;

import code.MethodsSQL;
import java.text.DecimalFormat;
import javax.swing.ImageIcon;
import view.Login;

```

```
/**
 *
 * @author Restf
 */
public class Quotation extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon car  = new ImageIcon(getClass().getResource("/resource/car.png"));
    ImageIcon nissanWhite  = new ImageIcon(getClass().getResource("/resource/car-nissan-white.png"));
    ImageIcon nissanRed    = new ImageIcon(getClass().getResource("/resource/car-nissan-red.png"));
    ImageIcon nissanOrange = new ImageIcon(getClass().getResource("/resource/car-nissan-orage.png"));
    ImageIcon nissanYellow = new ImageIcon(getClass().getResource("/resource/car-nissan-yellow.png"));
    ImageIcon nissanGreen  = new ImageIcon(getClass().getResource("/resource/car-nissan-green.png"));
    ImageIcon nissanBlue   = new ImageIcon(getClass().getResource("/resource/car-nissan-blue.png"));
    ImageIcon nissanGray   = new ImageIcon(getClass().getResource("/resource/car-nissan-gray.png"));

    ImageIcon audiWhite  = new ImageIcon(getClass().getResource("/resource/car-audi-white.png"));
    ImageIcon audiRed    = new ImageIcon(getClass().getResource("/resource/car-audi-red.png"));
    ImageIcon audiOrange = new ImageIcon(getClass().getResource("/resource/car-audi-orage.png"));
    ImageIcon audiYellow = new ImageIcon(getClass().getResource("/resource/car-audi-yellow.png"));
    ImageIcon audiGreen  = new ImageIcon(getClass().getResource("/resource/car-audi-green.png"));
    ImageIcon audiBlue   = new ImageIcon(getClass().getResource("/resource/car-audi-blue.png"));
    ImageIcon audiGray   = new ImageIcon(getClass().getResource("/resource/car-audi-gray.png"));

    ImageIcon volkswagenWhite  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-white.png"));
    ImageIcon volkswagenRed    = new ImageIcon(getClass().getResource("/resource/car-volkswagen-red.png"));
    ImageIcon volkswagenOrange = new ImageIcon(getClass().getResource("/resource/car-volkswagen-orage.png"));
    ImageIcon volkswagenYellow = new ImageIcon(getClass().getResource("/resource/car-volkswagen-yellow.png"));
```

```java
    ImageIcon volkswagenGreen  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-green.png"));
    ImageIcon volkswagenBlue   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-blue.png"));
    ImageIcon volkswagenGray   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-gray.png"));

    public Quotation() {
        initComponents();
        setTitle("Car Agency - Cotización - [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);
        selectColorsNew.setVisible(false);
        btnPurchase.setEnabled(false);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        iconCar = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        selectCompany = new javax.swing.JComboBox<>();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        selectState = new javax.swing.JComboBox<>();
        selectModel = new javax.swing.JComboBox<>();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        selectColors = new javax.swing.JComboBox<>();
        jLabel6 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtPriceTotal = new javax.swing.JLabel();
        txtExtra = new javax.swing.JLabel();
        txtPriceCar = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        selectSerial = new javax.swing.JComboBox<>();
        selectColorsNew = new javax.swing.JComboBox<>();
        btnPurchase = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(1280, 720));

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(0, 0, 0));
        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.setText("VOLVER");
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });

        iconCar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/car.png"))); // NOI18N

        jLabel5.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("► SELECCIONA LOS SIGUIENTES DATOS  ◄");
        jLabel5.setToolTipText("");

        selectCompany.setBackground(new java.awt.Color(255, 255, 255));
        selectCompany.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectCompany.setForeground(new java.awt.Color(0, 0, 0));
        selectCompany.setMaximumRowCount(4);
        selectCompany.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NISSAN", "• AUDI", "• VOLKSWAGEN" }));
        selectCompany.setPreferredSize(new java.awt.Dimension(220, 40));
        selectCompany.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectCompanyActionPerformed(evt);
            }
        });

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("» COMPAÑIA");
        jLabel1.setToolTipText("");

```

```java
        jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("» ESTADO");
        jLabel2.setToolTipText("");

        selectState.setBackground(new java.awt.Color(255, 255, 255));
        selectState.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectState.setForeground(new java.awt.Color(0, 0, 0));
        selectState.setMaximumRowCount(4);
        selectState.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NUEVO", "• SEMINUEVO", "• USADO", " " }));
        selectState.setEnabled(false);
        selectState.setPreferredSize(new java.awt.Dimension(220, 40));
        selectState.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectStateActionPerformed(evt);
            }
        });

        selectModel.setBackground(new java.awt.Color(255, 255, 255));
        selectModel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectModel.setForeground(new java.awt.Color(0, 0, 0));
        selectModel.setMaximumRowCount(4);
        selectModel.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectModel.setEnabled(false);
        selectModel.setPreferredSize(new java.awt.Dimension(220, 40));
        selectModel.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectModelActionPerformed(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("» MODELO");
        jLabel3.setToolTipText("");

        jLabel4.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("» COLORES");
        jLabel4.setToolTipText("");

        selectColors.setBackground(new java.awt.Color(255, 255, 255));
        selectColors.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectColors.setForeground(new java.awt.Color(0, 0, 0));
        selectColors.setMaximumRowCount(4);
        selectColors.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectColors.setEnabled(false);
        selectColors.setPreferredSize(new java.awt.Dimension(220, 40));
        selectColors.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectColorsActionPerformed(evt);
            }
        });

        jLabel6.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel6.setForeground(new java.awt.Color(255, 255, 255));
        jLabel6.setText("PRECIO:        $");

        jLabel8.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel8.setForeground(new java.awt.Color(255, 255, 255));
        jLabel8.setText("ADICIONES:  $");

        jLabel9.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel9.setForeground(new java.awt.Color(255, 255, 255));
        jLabel9.setText("TOTAL:         $");

        txtPriceTotal.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        txtPriceTotal.setForeground(new java.awt.Color(255, 255, 255));
        txtPriceTotal.setText("-----------");

        txtExtra.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        txtExtra.setForeground(new java.awt.Color(255, 255, 255));
        txtExtra.setText("-----------");

        txtPriceCar.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        txtPriceCar.setForeground(new java.awt.Color(255, 255, 255));
        txtPriceCar.setText("-----------");

        jLabel10.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(255, 255, 255));
        jLabel10.setText("» N! SERIE");
        jLabel10.setToolTipText("");

        selectSerial.setBackground(new java.awt.Color(255, 255, 255));
        selectSerial.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectSerial.setForeground(new java.awt.Color(0, 0, 0));
        selectSerial.setMaximumRowCount(4);
        selectSerial.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectSerial.setEnabled(false);
        selectSerial.setPreferredSize(new java.awt.Dimension(220, 40));
        selectSerial.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectSerialActionPerformed(evt);
            }
        });

        selectColorsNew.setBackground(new java.awt.Color(255, 255, 255));
        selectColorsNew.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectColorsNew.setForeground(new java.awt.Color(0, 0, 0));
        selectColorsNew.setMaximumRowCount(4);
        selectColorsNew.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• BLANCO", "• ROJO", "• NARANJA", "• AMARILLO", "• VERDE", "• AZUL", "• GRIS" }));
        selectColorsNew.setEnabled(false);
        selectColorsNew.setPreferredSize(new java.awt.Dimension(220, 40));
        selectColorsNew.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectColorsNewActionPerformed(evt);
            }
        });

        btnPurchase.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnPurchase.setForeground(new java.awt.Color(255, 255, 255));
        btnPurchase.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-price-off.png"))); // NOI18N
        btnPurchase.setText("¿DESEAS COMPRAR LO BUSCADO?");
        btnPurchase.setContentAreaFilled(false);
        btnPurchase.setEnabled(false);
        btnPurchase.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);
        btnPurchase.setRolloverIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/MenuUser-price-on.png"))); // NOI18N
        btnPurchase.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPurchaseActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(1092, 1092, 1092)
                .addComponent(jLabel7))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(110, 110, 110)
                .addComponent(jLabel5))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(90, 90, 90)
                .addComponent(btnPurchase, javax.swing.GroupLayout.PREFERRED_SIZE, 490, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(140, 140, 140)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 167, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 167, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(3, 3, 3)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(txtExtra, javax.swing.GroupLayout.PREFERRED_SIZE, 250, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtPriceTotal, javax.swing.GroupLayout.PREFERRED_SIZE, 250, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(78, 78, 78)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jLabel2)
                        .addComponent(jLabel3)
                        .addComponent(jLabel10))
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(2, 2, 2)
                            .addComponent(jLabel4))))
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(selectCompany, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(selectState, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(selectModel, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(selectColors, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(selectColorsNew, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(100, 100, 100)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(iconCar)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(90, 90, 90)
                                .addComponent(jLabel6)
                                .addGap(3, 3, 3)
                                .addComponent(txtPriceCar, javax.swing.GroupLayout.PREFERRED_SIZE, 240, javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addComponent(selectSerial, javax.swing.GroupLayout.PREFERRED_SIZE, 320, javax.swing.GroupLayout.PREFERRED_SIZE)))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(15, 15, 15)
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 66, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(49, 49, 49)
                .addComponent(jLabel5)
                .addGap(26, 26, 26)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(iconCar)
                        .addGap(7, 7, 7)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel6)
                            .addComponent(txtPriceCar)))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(2, 2, 2)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(selectCompany, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel1))
                        .addGap(8, 8, 8)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(selectState, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel2))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(selectModel, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel3))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                             .addComponent(selectSerial, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addComponent(jLabel10))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                             .addComponent(selectColors, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                             .addComponent(jLabel4))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(selectColorsNew, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                 .addGap(8, 8, 8)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(30, 30, 30)
                         .addComponent(btnPurchase, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jLabel8)
                         .addGap(8, 8, 8)
                         .addComponent(jLabel9))
.addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(txtExtra)
                         .addGap(8, 8, 8)
                         .addComponent(txtPriceTotal))))
         );

         javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
         getContentPane().setLayout(layout);
         layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>

    private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        MenuUser menu = new MenuUser();
        menu.setVisible(true);
        dispose();
    }

    private void selectCompanyActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectCompany.getSelectedIndex() > 0) {
            selectState.setEnabled(true);
            selectState.setSelectedIndex(0);
            iconCar.setIcon(car);
            txtPriceCar.setText("-----------");
            txtExtra.setText("-----------");
            txtPriceTotal.setText("-----------");
            switch(selectCompany.getSelectedIndex()){
                case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
            }
        } else {
            clear();
        }
    }

    private void selectStateActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectState.getSelectedIndex() > 0) {
            selectModel.setEnabled(true);
            selectSerial.setEnabled(false);
            selectSerial.setSelectedIndex(0);
            txtPriceCar.setText("-----------");
            txtExtra.setText("-----------");
            txtPriceTotal.setText("-----------");
            switch(selectCompany.getSelectedIndex()){
                case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
            }
            selectModel.setModel(methodsSql.loadModels(selectCompany.getSelectedIndex(), selectState.getSelectedIndex()));
        } else {
            iconCar.setIcon(car);
            selectModel.setEnabled(false);
            selectSerial.setEnabled(false);
            selectColors.setEnabled(false);
            selectModel.setSelectedIndex(0);
            selectSerial.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
        }
    }

    private void selectModelActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectModel.getSelectedIndex() > 0) {
            selectSerial.setEnabled(true);
            String txtmodel = selectModel.getSelectedItem().toString();
            String model = txtmodel.substring(2);
            selectSerial.setModel(methodsSql.loadSerial(model));
            txtPriceCar.setText("-----------");
            txtExtra.setText("-----------");
            txtPriceTotal.setText("-----------");
        } else {
            selectSerial.setEnabled(false);
            selectColors.setEnabled(false);
            selectSerial.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
        }
    }

    private void selectColorsActionPerformed(java.awt.event.ActionEvent evt) {
        if(!selectColors.getSelectedItem().equals("Seleccionar") &&
           !selectColors.getSelectedItem().equals("• Otro: ")){
                String txtcompany = selectCompany.getSelectedItem().toString();
                String company = txtcompany.substring(2);
                String txtcolor = selectColors.getSelectedItem().toString();
                String color = txtcolor.substring(2);
                switch(company){
                    case "NISSAN":
                    switch(color){
                        case "BLANCO":
                        iconCar.setIcon(nissanWhite);
                        break;
                        case "ROJO":
                        iconCar.setIcon(nissanRed);
                        break;
                        case "NARANJA":
                        iconCar.setIcon(nissanOrange);
                        break;
                        case "AMARILLO":
                        iconCar.setIcon(nissanYellow);
                        break;
                        case "VERDE":
                        iconCar.setIcon(nissanGreen);
                        break;
                        case "AZUL":
                        iconCar.setIcon(nissanBlue);
                        break;
                        case "GRIS":
                        iconCar.setIcon(nissanGray);
                        break;
                    }
                    break;
                    case "AUDI":
                    switch(color){
                        case "BLANCO":
                        iconCar.setIcon(audiWhite);
                        break;
                        case "ROJO":
                        iconCar.setIcon(audiRed);
                        break;
                        case "NARANJA":
                        iconCar.setIcon(audiOrange);
                        break;
                        case "AMARILLO":
                        iconCar.setIcon(audiYellow);
                        break;
                        case "VERDE":
                        iconCar.setIcon(audiGreen);
                        break;
                        case "AZUL":
                        iconCar.setIcon(audiBlue);
                        break;
                        case "GRIS":
                        iconCar.setIcon(audiGray);
                        break;
                    }
                    break;
                    case "VOLKSWAGEN":
                    switch(color){
                        case "BLANCO":
                        iconCar.setIcon(volkswagenWhite);
                        break;
                        case "ROJO":
```

```
                        iconCar.setIcon(volkswagenRed);
                        break;
                        case "NARANJA":
                        iconCar.setIcon(volkswagenOrange);
                        break;
                        case "AMARILLO":
                        iconCar.setIcon(volkswagenYellow);
                        break;
                        case "VERDE":
                        iconCar.setIcon(volkswagenGreen);
                        break;
                        case "AZUL":
                        iconCar.setIcon(volkswagenBlue);
                        break;
                        case "GRIS":
                        iconCar.setIcon(volkswagenGray);
                        break;
                    }
                    break;
                }
            btnPurchase.setEnabled(true);
        } else if(selectColors.getSelectedItem().equals("• Otro: ")) {
            selectColorsNew.setVisible(true);
            selectColorsNew.setEnabled(true);
            selectColorsNew.setSelectedIndex(0);
            switch(selectCompany.getSelectedIndex()){
                case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
            }
        } else {
            selectColorsNew.setSelectedIndex(0);
            selectColorsNew.setVisible(false);
        }




    }

    private void selectSerialActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectSerial.getSelectedIndex() > 0) {
            selectColors.setEnabled(true);
            String txt = selectSerial.getSelectedItem().toString();
            String txtmodel = txt.substring(2);
            int model = Integer.parseInt(txtmodel);
            selectColors.setModel(methodsSql.loadColorsQuotation(model));
```

```java
            String s = moneyFormat(methodsSql.loadPriceCar(model));
            txtPriceCar.setText(s);
            if(!selectColorsNew.isEnabled()){
                txtPriceTotal.setText(s);
            }

        } else {
            selectColors.setEnabled(false);
            selectColors.setSelectedIndex(0);
        }

    }

    private void selectColorsNewActionPerformed(java.awt.event.ActionEvent evt) {
        if(selectColorsNew.isEnabled()){
            String txtcompany = selectCompany.getSelectedItem().toString();
            String company = txtcompany.substring(2);
            String txtcolor = selectColorsNew.getSelectedItem().toString();
            String color = txtcolor.substring(2);
            int price = 0;
            switch(company){
                case "NISSAN":
                switch(color){
                    case "BLANCO":
                    price = 15000;
                    iconCar.setIcon(nissanWhite);
                    break;
                    case "ROJO":
                    price = 10000;
                    iconCar.setIcon(nissanRed);
                    break;
                    case "NARANJA":
                    price = 5000;
                    iconCar.setIcon(nissanOrange);
                    break;
                    case "AMARILLO":
                    price = 8000;
                    iconCar.setIcon(nissanYellow);
                    break;
                    case "VERDE":
                    price = 9000;
                    iconCar.setIcon(nissanGreen);
                    break;
                    case "AZUL":
                    price = 12000;
                    iconCar.setIcon(nissanBlue);
                    break;
                    case "GRIS":
                    price = 13000;
                    iconCar.setIcon(nissanGray);
                    break;
                }
                break;
                case "AUDI":
                switch(color){
                    case "BLANCO":
                    price = 15000;
                    iconCar.setIcon(audiWhite);
                    break;
                    case "ROJO":
                    price = 10000;
                    iconCar.setIcon(audiRed);
                    break;
                    case "NARANJA":
                    price = 5000;
                    iconCar.setIcon(audiOrange);
                    break;
                    case "AMARILLO":
                    price = 8000;
                    iconCar.setIcon(audiYellow);
                    break;
                    case "VERDE":
                    price = 9000;
                    iconCar.setIcon(audiGreen);
                    break;
                    case "AZUL":
                    price = 12000;
                    iconCar.setIcon(audiBlue);
                    break;
                    case "GRIS":
                    price = 13000;
                    iconCar.setIcon(audiGray);
                    break;
                }
                break;
                case "VOLKSWAGEN":
                switch(color){
                    case "BLANCO":
                    price = 15000;
                    iconCar.setIcon(volkswagenWhite);
                    break;
                    case "ROJO":
                    price = 10000;
                    iconCar.setIcon(volkswagenRed);
                    break;
                    case "NARANJA":
                    price = 5000;
                    iconCar.setIcon(volkswagenOrange);
                    break;
                    case "AMARILLO":
                    price = 8000;
                    iconCar.setIcon(volkswagenYellow);
                    break;
                    case "VERDE":
                    price = 9000;
                    iconCar.setIcon(volkswagenGreen);
                    break;
                    case "AZUL":
                    price = 12000;
                    iconCar.setIcon(volkswagenBlue);
```

```java
                    break;
                    case "GRIS":
                    price = 13000;
                    iconCar.setIcon(volkswagenGray);
                    break;
                }
                break;
            }

                String s = moneyFormat(price);
                txtExtra.setText(s);
                String txt = selectSerial.getSelectedItem().toString();
                String txtmodel = txt.substring(2);
                int model = Integer.parseInt(txtmodel);
                int extra = methodsSql.loadPriceCar(model);
                int price_total = price + extra;
                txtPriceTotal.setText(moneyFormat(price_total));
                if(!selectColorsNew.getSelectedItem().equals("Seleccionar")){
                    btnPurchase.setEnabled(true);
                } else {
                    btnPurchase.setEnabled(false);
                }
        }

    }

    private void btnPurchaseActionPerformed(java.awt.event.ActionEvent evt) {
        MenuUser.ReloadData = true;
        this.setVisible(false);
        Purchase purchase = new Purchase();
        purchase.setVisible(true);
    }


    private String moneyFormat(int i){
        DecimalFormat money = new DecimalFormat("###,###,###");
        String s = money.format(i);
        return s;
    }

    private void clear(){
        selectState.setEnabled(false);
        selectModel.setEnabled(false);
        selectColors.setEnabled(false);
        selectSerial.setEnabled(false);
        selectState.setSelectedIndex(0);
        selectModel.setSelectedIndex(0);
        selectSerial.setSelectedIndex(0);
        selectColors.setSelectedIndex(0);
        iconCar.setIcon(car);
    }
    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Quotation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Quotation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Quotation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Quotation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Quotation().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnPurchase;
    private javax.swing.JLabel iconCar;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    public static javax.swing.JComboBox<String> selectColors;
    public static javax.swing.JComboBox<String> selectColorsNew;
    public static javax.swing.JComboBox<String> selectCompany;
    public static javax.swing.JComboBox<String> selectModel;
    public static javax.swing.JComboBox<String> selectSerial;
    public static javax.swing.JComboBox<String> selectState;
    public static javax.swing.JLabel txtExtra;
    public static javax.swing.JLabel txtPriceCar;
    public static javax.swing.JLabel txtPriceTotal;
    // End of variables declaration
}
```

Vehicle

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package view.user;

import code.MethodsSQL;
import javax.swing.ImageIcon;
import view.Login;

/**
 *
 * @author Restf
 */
public class Vehicle extends javax.swing.JFrame {

    MethodsSQL methodsSql = new MethodsSQL();
    ImageIcon car   = new ImageIcon(getClass().getResource("/resource/car.png"));
    ImageIcon nissanWhite  = new ImageIcon(getClass().getResource("/resource/car-nissan-white.png"));
    ImageIcon nissanRed    = new ImageIcon(getClass().getResource("/resource/car-nissan-red.png"));
    ImageIcon nissanOrange = new ImageIcon(getClass().getResource("/resource/car-nissan-orage.png"));
    ImageIcon nissanYellow = new ImageIcon(getClass().getResource("/resource/car-nissan-yellow.png"));
    ImageIcon nissanGreen  = new ImageIcon(getClass().getResource("/resource/car-nissan-green.png"));
    ImageIcon nissanBlue   = new ImageIcon(getClass().getResource("/resource/car-nissan-blue.png"));
    ImageIcon nissanGray   = new ImageIcon(getClass().getResource("/resource/car-nissan-gray.png"));

    ImageIcon audiWhite  = new ImageIcon(getClass().getResource("/resource/car-audi-white.png"));
    ImageIcon audiRed    = new ImageIcon(getClass().getResource("/resource/car-audi-red.png"));
    ImageIcon audiOrange = new ImageIcon(getClass().getResource("/resource/car-audi-orage.png"));
    ImageIcon audiYellow = new ImageIcon(getClass().getResource("/resource/car-audi-yellow.png"));
    ImageIcon audiGreen  = new ImageIcon(getClass().getResource("/resource/car-audi-green.png"));
    ImageIcon audiBlue   = new ImageIcon(getClass().getResource("/resource/car-audi-blue.png"));
    ImageIcon audiGray   = new ImageIcon(getClass().getResource("/resource/car-audi-gray.png"));

    ImageIcon volkswagenWhite  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-white.png"));
    ImageIcon volkswagenRed    = new ImageIcon(getClass().getResource("/resource/car-volkswagen-red.png"));
    ImageIcon volkswagenOrange = new ImageIcon(getClass().getResource("/resource/car-volkswagen-orage.png"));
    ImageIcon volkswagenYellow = new ImageIcon(getClass().getResource("/resource/car-volkswagen-yellow.png"));
    ImageIcon volkswagenGreen  = new ImageIcon(getClass().getResource("/resource/car-volkswagen-green.png"));
    ImageIcon volkswagenBlue   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-blue.png"));
    ImageIcon volkswagenGray   = new ImageIcon(getClass().getResource("/resource/car-volkswagen-gray.png"));

    public Vehicle() {
        initComponents();
        setTitle("Car Agency - Vehiculos - [ "+Login.userEntity.getName()+" ]");
        setLocationRelativeTo(null);

    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel7 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        selectCompany = new javax.swing.JComboBox<>();
        jLabel2 = new javax.swing.JLabel();
        selectState = new javax.swing.JComboBox<>();
        jLabel3 = new javax.swing.JLabel();
        selectModel = new javax.swing.JComboBox<>();
        jLabel4 = new javax.swing.JLabel();
        selectColors = new javax.swing.JComboBox<>();
        iconCar = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setPreferredSize(new java.awt.Dimension(1280, 720));
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(128, 153, 155));
        jPanel1.setPreferredSize(new java.awt.Dimension(1280, 720));

        jLabel7.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
        jLabel7.setForeground(new java.awt.Color(0, 0, 0));
        jLabel7.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/back.png"))); // NOI18N
        jLabel7.setText("VOLVER");
        jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel7MouseClicked(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(255, 255, 255));
        jLabel5.setText("► SELECCIONA LOS SIGUIENTES DATOS  ◄");
        jLabel5.setToolTipText("");

        jLabel1.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("» COMPAÑIA");
        jLabel1.setToolTipText("");

        selectCompany.setBackground(new java.awt.Color(255, 255, 255));
```

```java
        selectCompany.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectCompany.setForeground(new java.awt.Color(0, 0, 0));
        selectCompany.setMaximumRowCount(4);
        selectCompany.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NISSAN", "• AUDI", "• VOLKSWAGEN" }));
        selectCompany.setPreferredSize(new java.awt.Dimension(220, 40));
        selectCompany.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectCompanyActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("» ESTADO");
        jLabel2.setToolTipText("");

        selectState.setBackground(new java.awt.Color(255, 255, 255));
        selectState.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectState.setForeground(new java.awt.Color(0, 0, 0));
        selectState.setMaximumRowCount(4);
        selectState.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• NUEVO", "• SEMINUEVO", "• USADO", " " }));
        selectState.setEnabled(false);
        selectState.setPreferredSize(new java.awt.Dimension(220, 40));
        selectState.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectStateActionPerformed(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setText("» MODELO");
        jLabel3.setToolTipText("");

        selectModel.setBackground(new java.awt.Color(255, 255, 255));
        selectModel.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectModel.setForeground(new java.awt.Color(0, 0, 0));
        selectModel.setMaximumRowCount(4);
        selectModel.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar" }));
        selectModel.setEnabled(false);
        selectModel.setPreferredSize(new java.awt.Dimension(220, 40));
        selectModel.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectModelActionPerformed(evt);
            }
        });

        jLabel4.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255, 255));
        jLabel4.setText("» COLORES");
        jLabel4.setToolTipText("");

        selectColors.setBackground(new java.awt.Color(255, 255, 255));
        selectColors.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        selectColors.setForeground(new java.awt.Color(0, 0, 0));
        selectColors.setMaximumRowCount(4);
        selectColors.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Seleccionar", "• BLANCO", "• ROJO", "• NARANJA", "• AMARILLO", "• VERDE", "• AZUL", "• GRIS" }));
        selectColors.setEnabled(false);
        selectColors.setPreferredSize(new java.awt.Dimension(220, 40));
        selectColors.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                selectColorsActionPerformed(evt);
            }
        });

        iconCar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/resource/car.png"))); // NOI18N

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(1091, 1091, 1091)
                .addComponent(jLabel7)
```

```
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
              .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                          .addGap(59, 59, 59)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                                  .addComponent(jLabel4)
                                  .addGap(18, 18, 18)
                                  .addComponent(selectColors,
javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup()
                                  .addGap(3, 3, 3)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                                          .addComponent(jLabel1)
                                          .addGap(6, 6, 6)
.addComponent(selectCompany,
javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup()
                                          .addComponent(jLabel2)
                                          .addGap(29, 29, 29)
                                          .addComponent(selectState,
javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup()
                                          .addComponent(jLabel3)
                                          .addGap(25, 25, 25)
                                          .addComponent(selectModel,
javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
.addGroup(jPanel1Layout.createSequentialGroup()
                          .addGap(85, 85, 85)
                          .addComponent(jLabel5)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                  .addComponent(iconCar)
                  .addGap(110, 110, 110))
```

```
          );
          jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
              .addGroup(jPanel1Layout.createSequentialGroup()
                  .addGap(6, 6, 6)
                  .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                          .addGap(151, 151, 151)
                          .addComponent(jLabel5)
                          .addGap(32, 32, 32)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                                  .addGap(8, 8, 8)
                                  .addComponent(jLabel1))
                              .addComponent(selectCompany,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                          .addGap(6, 6, 6)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                                  .addGap(8, 8, 8)
                                  .addComponent(jLabel2))
                              .addComponent(selectState,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                          .addGap(6, 6, 6)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
                                  .addGap(8, 8, 8)
                                  .addComponent(jLabel3))
                              .addComponent(selectModel,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                          .addGap(6, 6, 6)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
```

```
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGap(8, 8, 8)
                                .addComponent(jLabel4))
                            .addComponent(selectColors, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(173, 173, 173)
                        .addComponent(iconCar)))
                .addContainerGap())
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        getAccessibleContext().setAccessibleDescription("");

        pack();
    }// </editor-fold>

    private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {
        this.setVisible(false);
        MenuUser menu = new MenuUser();
        menu.setVisible(true);
        dispose();
    }

    private void selectCompanyActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectCompany.getSelectedIndex() > 0) {
            selectState.setEnabled(true);
            selectState.setSelectedIndex(0);
            switch(selectCompany.getSelectedIndex()){
                case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
            }
        } else {
            clear();
        }
    }

    private void selectStateActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectState.getSelectedIndex() > 0) {
            selectModel.setEnabled(true);
            selectColors.setEnabled(false);
            selectColors.setSelectedIndex(0);
            switch(selectCompany.getSelectedIndex()){
                case 1:
                    iconCar.setIcon(nissanWhite);
                    break;
                case 2:
                    iconCar.setIcon(audiWhite);
                    break;
                case 3:
                    iconCar.setIcon(volkswagenWhite);
                    break;
            }
selectModel.setModel(methodsSql.loadModels(selectCompany.getSelectedIndex(), selectState.getSelectedIndex()));
        } else {
            selectModel.setEnabled(false);
            selectColors.setEnabled(false);
            selectModel.setSelectedIndex(0);
            selectColors.setSelectedIndex(0);
        }
    }

    private void selectModelActionPerformed(java.awt.event.ActionEvent evt) {
        if (selectModel.getSelectedIndex() > 0) {
            selectColors.setEnabled(true);
            String txtmodel = selectModel.getSelectedItem().toString();
            String model = txtmodel.substring(2);
selectColors.setModel(methodsSql.loadColorsVehicle(model));
        } else {
            selectColors.setEnabled(false);
            selectColors.setSelectedIndex(0);
        }
    }

    private void selectColorsActionPerformed(java.awt.event.ActionEvent evt) {
        String txtcompany = selectCompany.getSelectedItem().toString();
        String company = txtcompany.substring(2);
        String txtcolor = selectColors.getSelectedItem().toString();
        String color = txtcolor.substring(2);
        switch(company){
            case "NISSAN":
                switch(color){
                    case "BLANCO":
                        iconCar.setIcon(nissanWhite);
                        break;
                    case "ROJO":
                        iconCar.setIcon(nissanRed);
                        break;
                    case "NARANJA":
                        iconCar.setIcon(nissanOrange);
                        break;
                    case "AMARILLO":
                        iconCar.setIcon(nissanYellow);
                        break;
                    case "VERDE":
                        iconCar.setIcon(nissanGreen);
                        break;
                    case "AZUL":
                        iconCar.setIcon(nissanBlue);
                        break;
                    case "GRIS":
                        iconCar.setIcon(nissanGray);
                        break;
                }
                break;
            case "AUDI":
                switch(color){
                    case "BLANCO":
                        iconCar.setIcon(audiWhite);
                        break;
                    case "ROJO":
                        iconCar.setIcon(audiRed);
                        break;
                    case "NARANJA":
                        iconCar.setIcon(audiOrange);
                        break;
                    case "AMARILLO":
                        iconCar.setIcon(audiYellow);
                        break;
                    case "VERDE":
                        iconCar.setIcon(audiGreen);
                        break;
                    case "AZUL":
                        iconCar.setIcon(audiBlue);
                        break;
                    case "GRIS":
                        iconCar.setIcon(audiGray);
                        break;
                }
                break;
            case "VOLKSWAGEN":
                switch(color){
                    case "BLANCO":
                        iconCar.setIcon(volkswagenWhite);
                        break;
                    case "ROJO":
                        iconCar.setIcon(volkswagenRed);
                        break;
                    case "NARANJA":
                        iconCar.setIcon(volkswagenOrange);
                        break;
                    case "AMARILLO":
                        iconCar.setIcon(volkswagenYellow);
                        break;
                    case "VERDE":
                        iconCar.setIcon(volkswagenGreen);
                        break;
                    case "AZUL":
                        iconCar.setIcon(volkswagenBlue);
                        break;
                    case "GRIS":
                        iconCar.setIcon(volkswagenGray);
                        break;
                }
                break;
        }
    }

    private void clear(){
        selectState.setEnabled(false);
        selectModel.setEnabled(false);
        selectColors.setEnabled(false);
        selectState.setSelectedIndex(0);
        selectModel.setSelectedIndex(0);
        selectColors.setSelectedIndex(0);
        iconCar.setIcon(car);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Vehicle.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Vehicle.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Vehicle.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(Vehicle.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Vehicle().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel iconCar;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JComboBox<String> selectColors;
    private javax.swing.JComboBox<String> selectCompany;
    private javax.swing.JComboBox<String> selectModel;
    private javax.swing.JComboBox<String> selectState;
    // End of variables declaration
}
```