

JAVA HAULAGE AND TRUCKING USER MANUAL



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Introduction

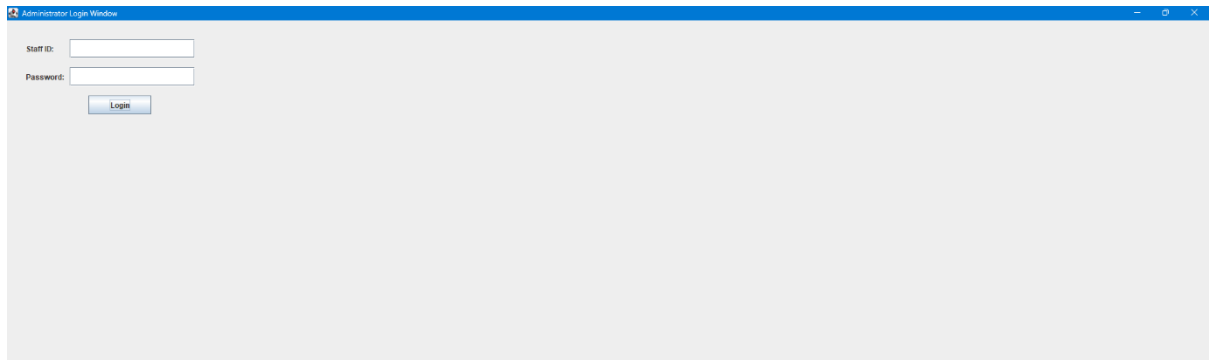
Logging into the system

Admin Functionalities

- Checking the rate sheet
- Adding to the rate sheet
- Filling out the booking form
- Searching for orders by period and driver
- Creating an employee
- Creating a customer
- Running reports etc

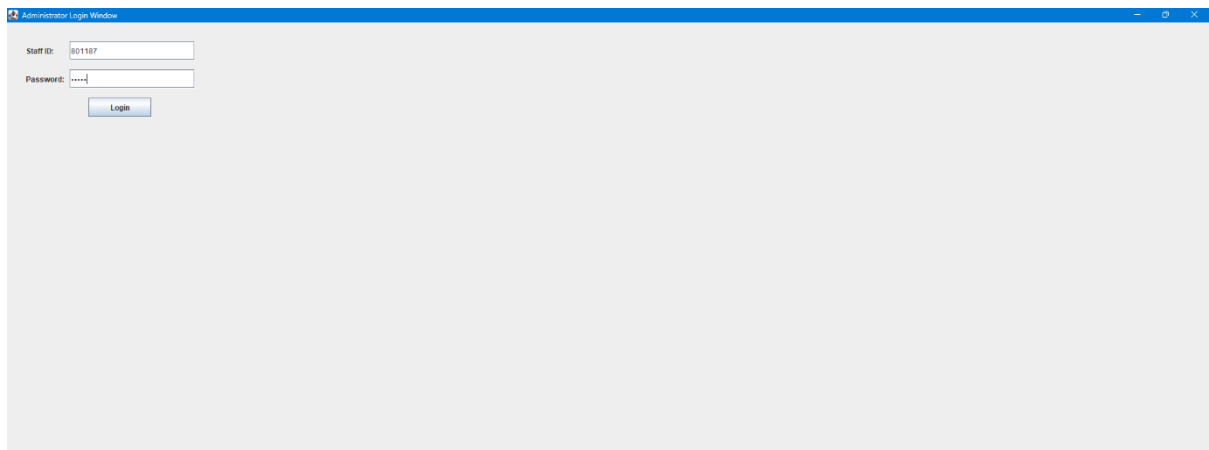
Troubleshooting

Logging In



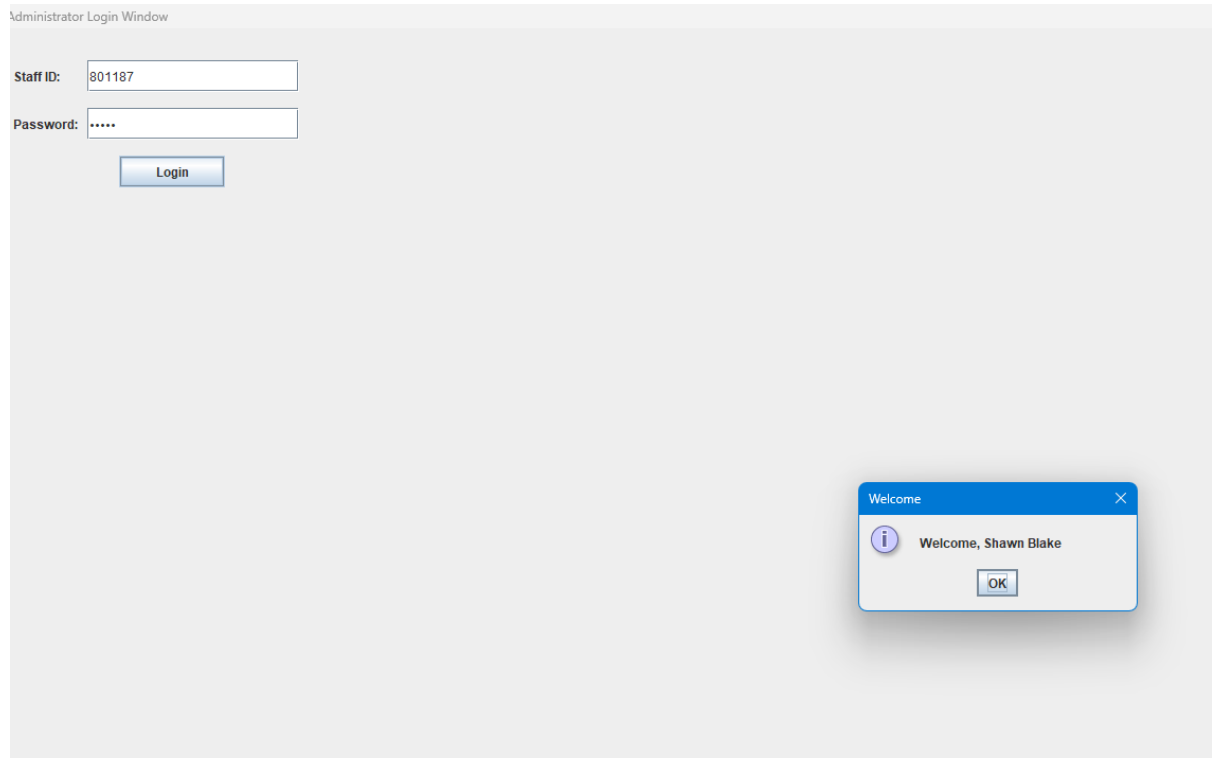
A screenshot of a software window titled "Administrator Login Window". The window has a blue title bar with standard Windows window controls (minimize, maximize, close). The main area is light gray. On the left side, there are two text input fields. The first is labeled "Staff ID:" and is empty. The second is labeled "Password:" and is also empty. Below these fields is a small blue button with the text "Login" in white.

Admins will be brought to this screen upon opening the application and asked to enter their login credentials.



A screenshot of the same "Administrator Login Window" as above, but now with data entered. The "Staff ID:" field contains the text "001107". The "Password:" field contains a series of dots, indicating a masked password. The "Login" button remains visible below the fields.

Admin types in their log in credentials.



Message displays to the admin upon successful log into the system. The log in process is now complete.

Admin Functionalities



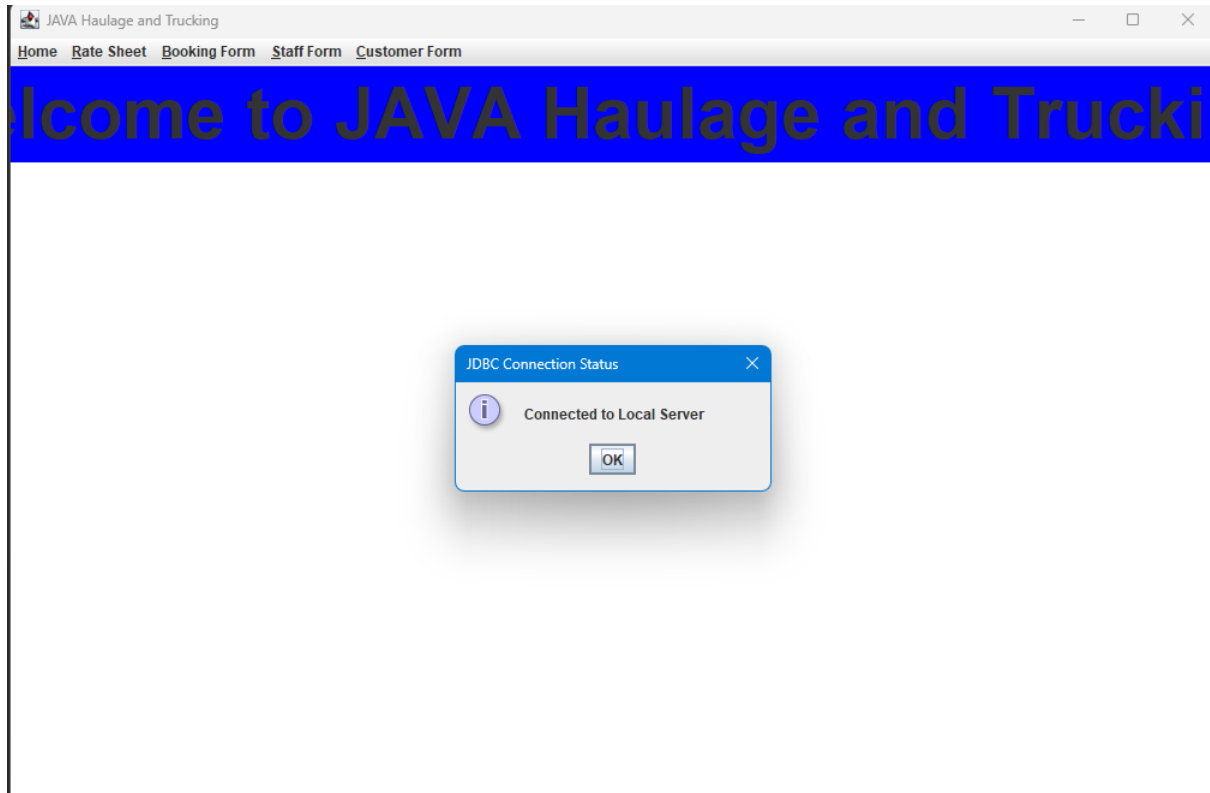
After successfully logging into the system, admins will be brought to this screen where they will be able to choose from one of the menu options on the home window. Menu options consist of the following:

- Rate Sheet
- Booking Form
- Staff Form
- Customer Form



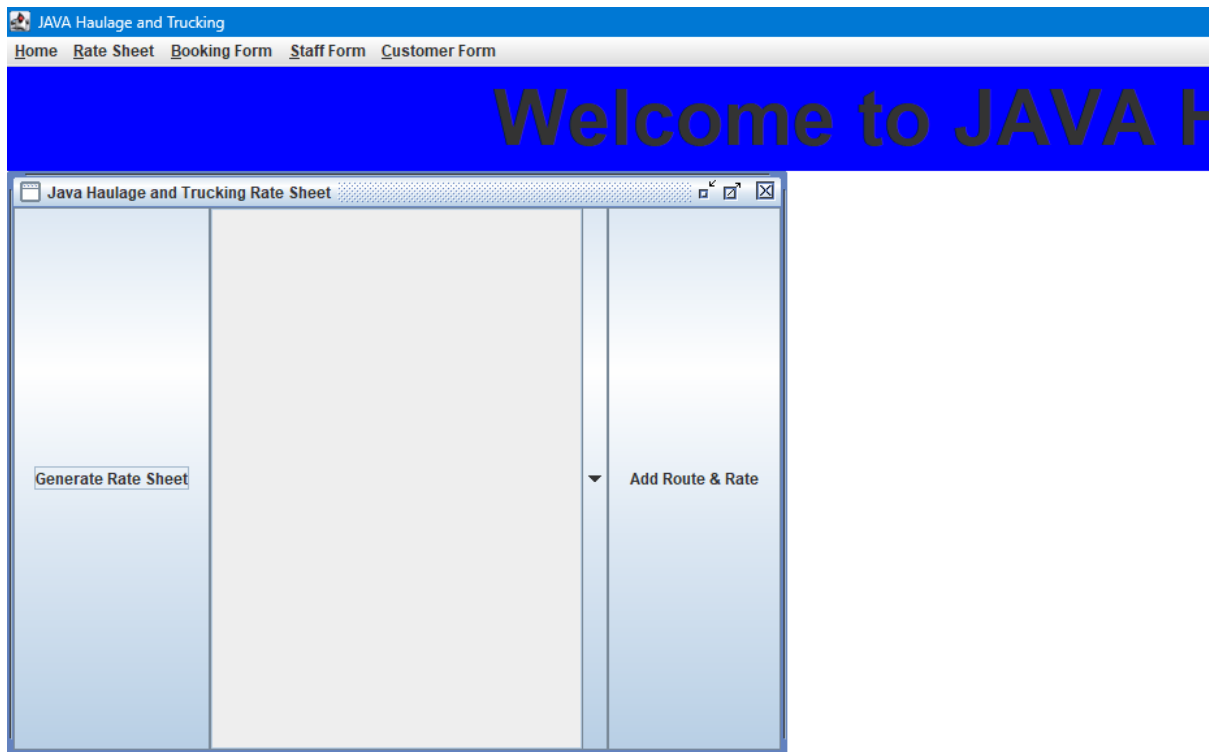
Rate Sheet

On clicking the Rate Sheet menu option, the admin will be prompted with this message:



This message indicates the server which houses the JAVA Haulage and Trucking database, and its associated tables is connected, and the rate sheet functions can be executed.

NB: IF THIS MESSAGE DOES NOT APPEAR, YOU WILL NOT BE ABLE TO STORE OR RETRIEVE DATA FROM THE DATABASE. PLEASE TURN ON THE LOCAL SERVER TO CONTINUE.

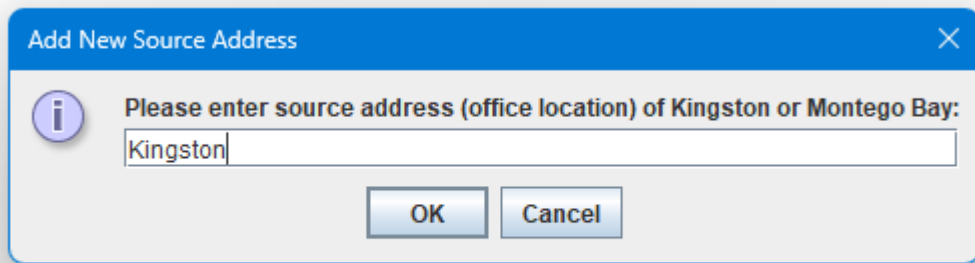


This rate sheet window will then come up where you are given two options:

- Generate Rate Sheet
- Add Route & Rate

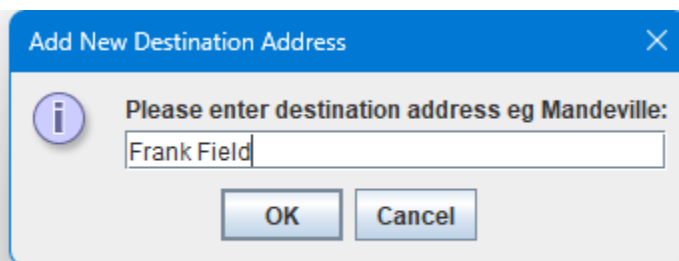
Add Route & Rate

When **Add Route & Rate** is selected, the admins are presented with the following windows:



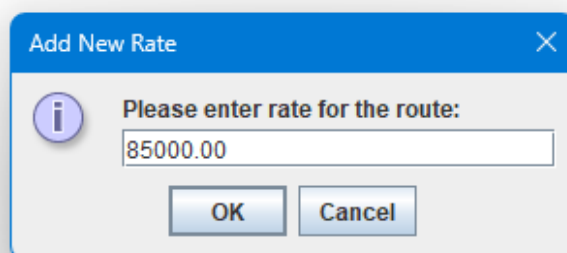
A screenshot of a Windows-style dialog box titled "Add New Source Address". It features a blue header bar with a close button (X) in the top right corner. Below the header, there is an information icon (i) on the left and a text prompt "Please enter source address (office location) of Kingston or Montego Bay:". A text input field contains the word "Kingston". At the bottom, there are two buttons: "OK" and "Cancel".

This add source address window requests the admin to enter the office location of Kingston or Montego Bay where the request for services should come from.



A screenshot of a Windows-style dialog box titled "Add New Destination Address". It features a blue header bar with a close button (X) in the top right corner. Below the header, there is an information icon (i) on the left and a text prompt "Please enter destination address eg Mandeville:". A text input field contains the text "Frank Field". At the bottom, there are two buttons: "OK" and "Cancel".

Then the enter destination address field comes up where the admin should enter the destination for the route.



A screenshot of a Windows-style dialog box titled "Add New Rate". It features a blue header bar with a close button (X) in the top right corner. Below the header, there is an information icon (i) on the left and a text prompt "Please enter rate for the route:". A text input field contains the value "85000.00". At the bottom, there are two buttons: "OK" and "Cancel".

The admin should then enter the rate (cost) of the trip from the source location to the destination location.

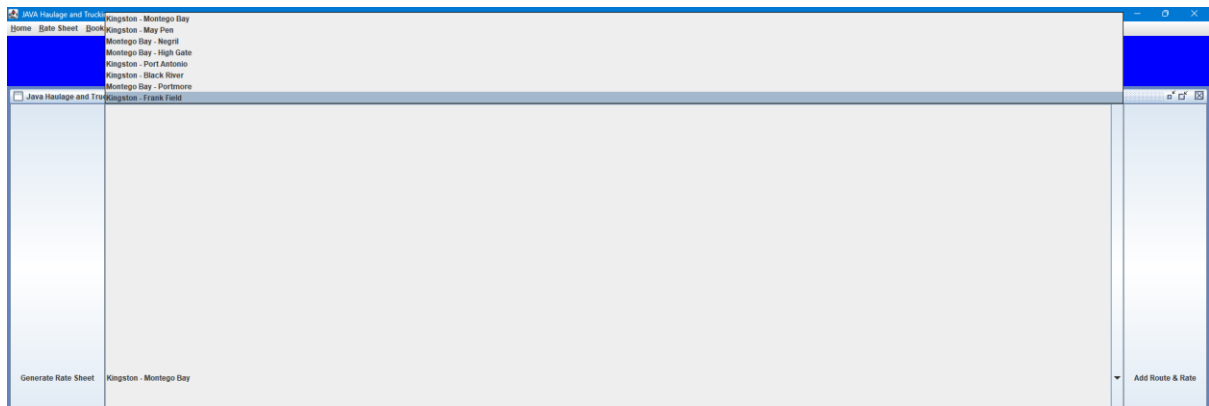
If the adding a new route and its rate was successful, it should be displayed in the rates below:

The screenshot shows a database management interface for a table named 'rates'. The SQL query displayed is: `SELECT * FROM `rates` LIMIT 0, 30`. The table contains 8 rows of data, each with a unique 'routeId', 'sourceAddress', 'destinationAddress', and 'rate'.

routeId	sourceAddress	destinationAddress	rate
1	Kingston	Montego Bay	150000
2	Kingston	May Pen	80000
3	Montego Bay	Negril	65000
4	Montego Bay	High Gate	85000
5	Kingston	Port Antonio	75000
6	Kingston	Black River	90000
7	Montego Bay	Portmore	90000
8	Kingston	Frank Field	80000

Generate Rate Sheet

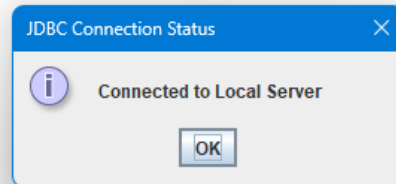
After creating a new route and its rate from the function above, now you can view that route as well as all other routes stored in the JAVA Haulage and Trucking database. When **Generate Rate Sheet** is clicked the following appears on screen:



The most recently added route is at the bottom of the list when the default route and its rate is shown in the centre of the window.

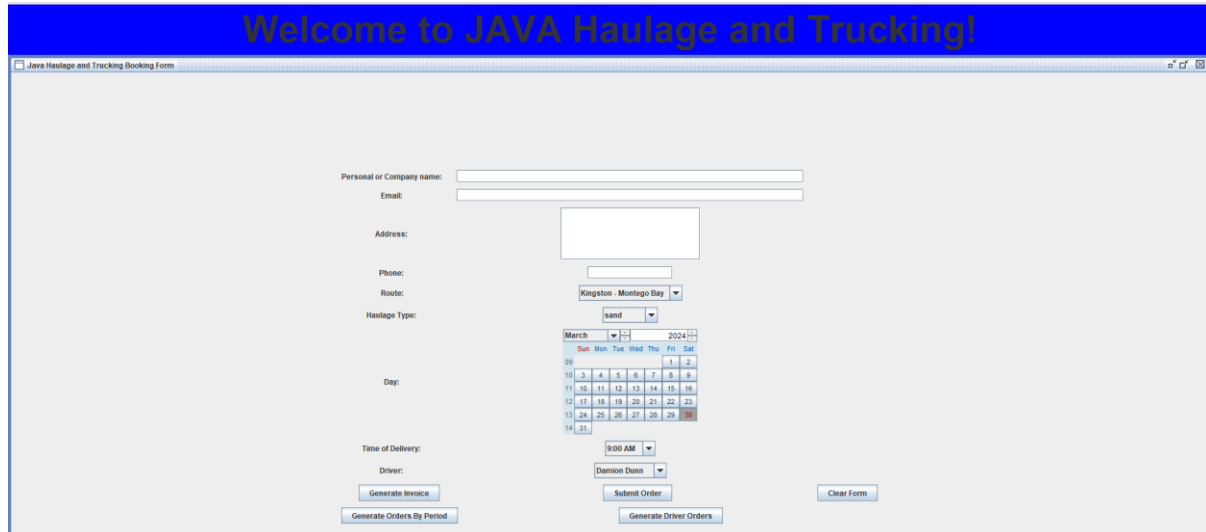
Booking Form

When the booking form menu option is clicked the following message appears:



This message ensures that the database is connected to the booking form.

NB: IF THIS MESSAGE DOES NOT APPEAR, YOU WILL NOT BE ABLE TO STORE OR RETRIEVE DATA FROM THE DATABASE. PLEASE TURN ON THE LOCAL SERVER TO CONTINUE.

A screenshot of a web application window titled "Welcome to JAVA Haulage and Trucking!". The window has a blue header bar with the title. Below the header is a light gray area containing a booking form. The form has several input fields and buttons. The fields are: "Personal or Company name:", "Email:", "Address:", "Phone:", "Route:" (with a dropdown menu showing "Kingston - Montego Bay"), "Haulage Type:" (with a dropdown menu showing "sand"), "Day:" (with a calendar widget for March 2024), and "Time of Delivery:" (with a dropdown menu showing "6:00 AM"). The buttons are: "Generate Invoice", "Generate Orders By Period", "Submit Order", "Generate Driver Orders", and "Clear Form".

The booking form should display like this where admins will enter a request for the services of JAVA Haulage and Trucking

Personal or Company name:

Email:

Address:

Phone:

Route:

Haulage Type:

Day:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
14		1	2	3	4	5	6
15	7	8	9	10	11	12	13
16	14	15	16	17	18	19	20
17	21	22	23	24	25	26	27
18	28	29	30				

Time of Delivery:

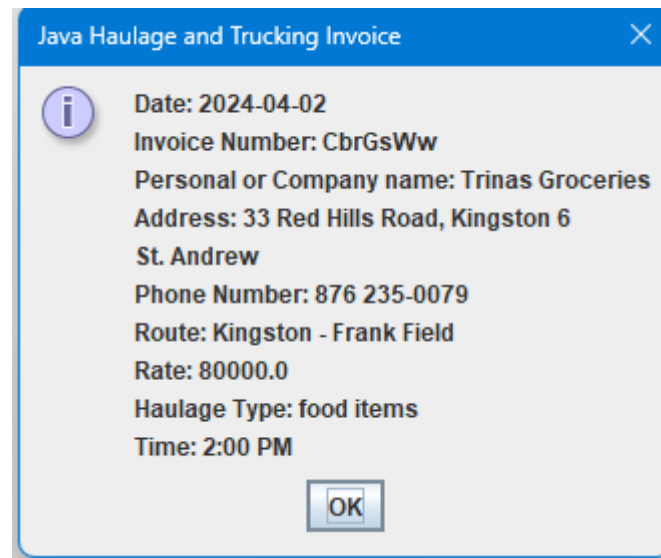
Driver:

Here a sample order request has been made. The form consists of a route section that inherits from the Rate Sheet and has available for an admin to choose from the available routes in the system. Also, the driver drop down menu inherits and displays all the available drivers from the Staff Form to be selected for a delivery.

Generate Invoice

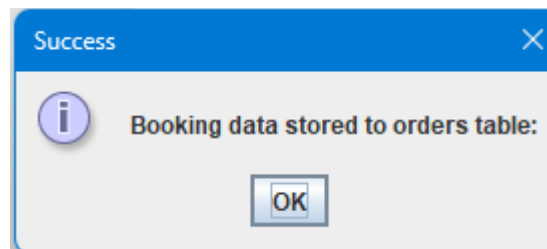
When the **Generate Invoice** button is clicked on the booking form, the form data as well as the cost for the trip and the invoice number is displayed on the screen. Click OK when your finished viewing.

See the image below.



Submit Orders

Clicking the **Submit Order** button should generate the following message:



Once this message appears on the screen, the data has successfully been written to the database and click **OK** to close the window. After this the data should be displayed in the orders table below.

localhost > final_java_haulage_and_trucking > orders

Showing rows 0 - 3 (4 total, Query took 0.0004 sec)

```
SELECT *
FROM `orders`
LIMIT 0, 30
```

Show : Start row: 0 Number of rows: 30 Headers every 100 rows

Sort by key: None

Options

	invoiceNumber	company	sourceAddress	destinationAddress	rate	driver	date
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	CbrGsWw	Trinas Groceries	21 Marcus Garvey Drive, Kingston 6	33 Red Hills Road, Kingston 6 St. Andrew	80000	Roberto James	2024-04-02
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	KVLXTWx	Enterprise Grocers	21 Marcus Garvey Drive, Kingston 6	33 Marcus Garvey Drive, Kingston 6	150000	Roberto James	2024-03-28
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	OVos5ww	Raymonds Lawncare	21 Marcus Garvey Drive, Kingston 6	33 Old Hope Road, Kingston6 St. Andrew	80000	Damion Dunn	2024-03-30
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	vHJ6Bvr	Mega Mart	21 Marcus Garvey Drive, Kingston 6	23 Waterloo Road, Kingston 6	80000	Roberto James	2024-03-30

With selected: ☐ Check All ☐ Change ☐ Delete ☐ Export

Show : Start row: 0 Number of rows: 30 Headers every 100 rows

Query results operations

☐ Print view ☐ Print view (with full texts) ☐ Export ☐ Display chart ☐ Create view

Generate Orders By Driver

Clicking the **Generate Orders By Driver** button displays the following:

Java Haulage and Trucking Driver Search Input

Enter the name of the driver you want to search for:

Roberto James

OK

Cancel

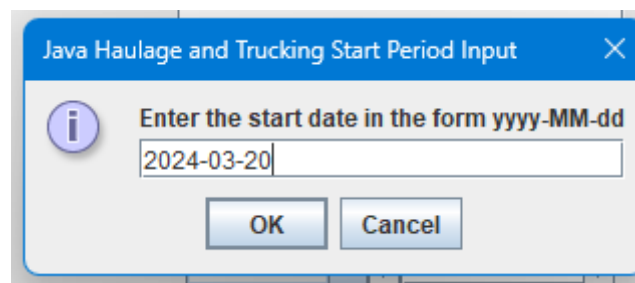
This window allows you to enter the name of the driver you want to and retrieve all orders they have their name attached to. After you have entered the name of the driver, click **OK**.

After clicking the button, the driver orders for the specified driver will appear in a table format like the one below.

Search Results							
Invoice Number	Company	Source Address	Destination Address	Rate	Driver	Date	
ChGrfllw	Times Groceries	21 Marcus Garvey Drive, Kingston 6	33 Red Hills Road, Kingston 15L, Andrew	80000.0	Roberto James	2024-04-02	
KVLXTWw	Enterprise Grocers	21 Marcus Garvey Drive, Kingston 6	33 Marcus Garvey Drive, Kingston 6	150000.0	Roberto James	2024-03-28	
WJJBdr	Mega Mart	21 Marcus Garvey Drive, Kingston 6	23 Waterloo Road, Kingston 6	80000.0	Roberto James	2024-03-30	

Generate Orders By Period

When the Generate Orders By Period is selected, the following should appear:



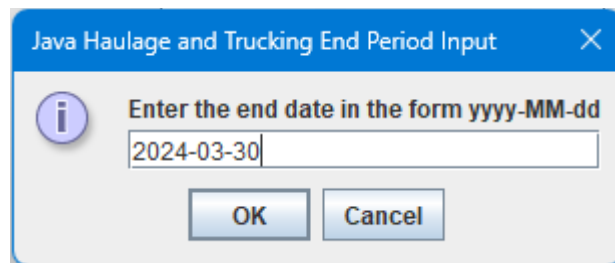
Java Haulage and Trucking Start Period Input

Enter the start date in the form yyyy-MM-dd

2024-03-20

OK Cancel

Enter the start date of the query you want to run in the format above and click **OK**.



Java Haulage and Trucking End Period Input

Enter the end date in the form yyyy-MM-dd

2024-03-30

OK Cancel

Enter the end date of the query you want to run and click **OK**.

The results are displayed in a tabular format shown below.

Search Results							
	Invoice Number	Company	Source Address	Destination Address	Rate	Driver	Date
KLXTHS		Enterprise Grocers	21 Marcus Garvey Drive, Kingston 6	33 Marcus Garvey Drive, Kingston 6	150000.0	Roberto James	2024-03-28
Ovcs5ew		Raymonds Lwncare	21 Marcus Garvey Drive, Kingston 6	33 Old Hope Road, Kingston 6St Andrew	80000.0	Damon Dunn	2024-03-30
MJJBdr		Mega Mart	21 Marcus Garvey Drive, Kingston 6	23 Waterloo Road, Kingston 6	80000.0	Roberto James	2024-03-30

Clear Form

On clicking the clear form button, it wipes out the form and enables you to start a new delivery request.

Personal or Company name:

Email:

Address:

Phone:

Route:

Kingston - Montego Bay

Haulage Type:

sand

Day:

March

2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Time of Delivery:

9:00 AM

Driver:

Roberto James

Generate Invoice

Submit Order

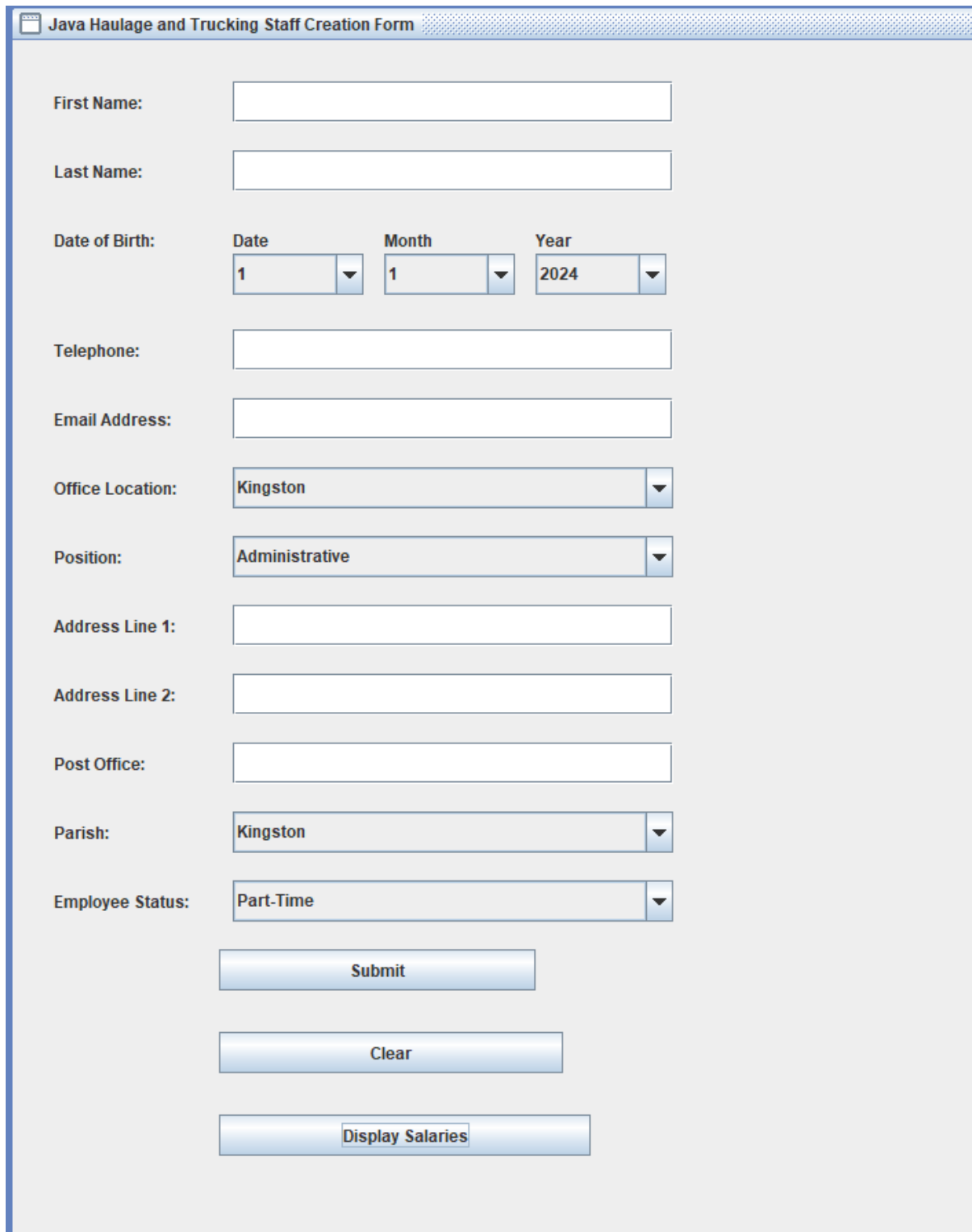
Clear Form

Generate Orders By Period

Generate Driver Orders

Create Staff Form

When the Create Staff Form menu option is clicked a form to display staff data appears as shown below:




The screenshot displays a web application window titled "Java Haulage and Trucking Staff Creation Form". The form contains the following fields and controls:

- First Name:** A text input field.
- Last Name:** A text input field.
- Date of Birth:** Three dropdown menus for Date (set to 1), Month (set to 1), and Year (set to 2024).
- Telephone:** A text input field.
- Email Address:** A text input field.
- Office Location:** A dropdown menu with "Kingston" selected.
- Position:** A dropdown menu with "Administrative" selected.
- Address Line 1:** A text input field.
- Address Line 2:** A text input field.
- Post Office:** A text input field.
- Parish:** A dropdown menu with "Kingston" selected.
- Employee Status:** A dropdown menu with "Part-Time" selected.

At the bottom of the form, there are three buttons: "Submit", "Clear", and "Display Salaries".

Submit

 JAVA Haulage and Trucking

[Home](#) [Rate Sheet](#) [Booking Form](#) [Staff Form](#) [Customer Form](#)

Welcome to J

Java Haulage and Trucking Staff Creation Form

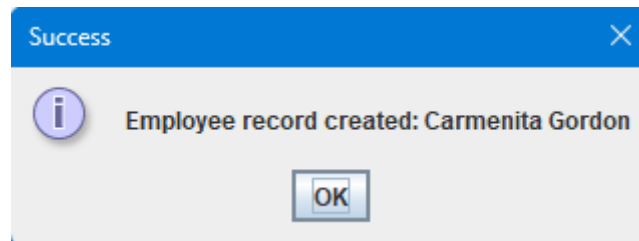
First Name:	<input type="text" value="Carmenita"/>		
Last Name:	<input type="text" value="Gordon"/>		
Date of Birth:	Date	Month	Year
	<input type="text" value="8"/>	<input type="text" value="5"/>	<input type="text" value="1996"/>
Telephone:	<input type="text" value="876 235-0098"/>		
Email Address:	<input type="text" value="carmenitagordon@gmail.com"/>		
Office Location:	<input type="text" value="Montego Bay"/>		
Position:	<input type="text" value="Administrative"/>		
Address Line 1:	<input type="text" value="21 Moon Palace Estate"/>		
Address Line 2:	<input type="text" value="N/A"/>		
Post Office:	<input type="text" value="N.A"/>		
Parish:	<input type="text" value="St. James"/>		
Employee Status:	<input type="text" value="Full-Time"/>		

Submit

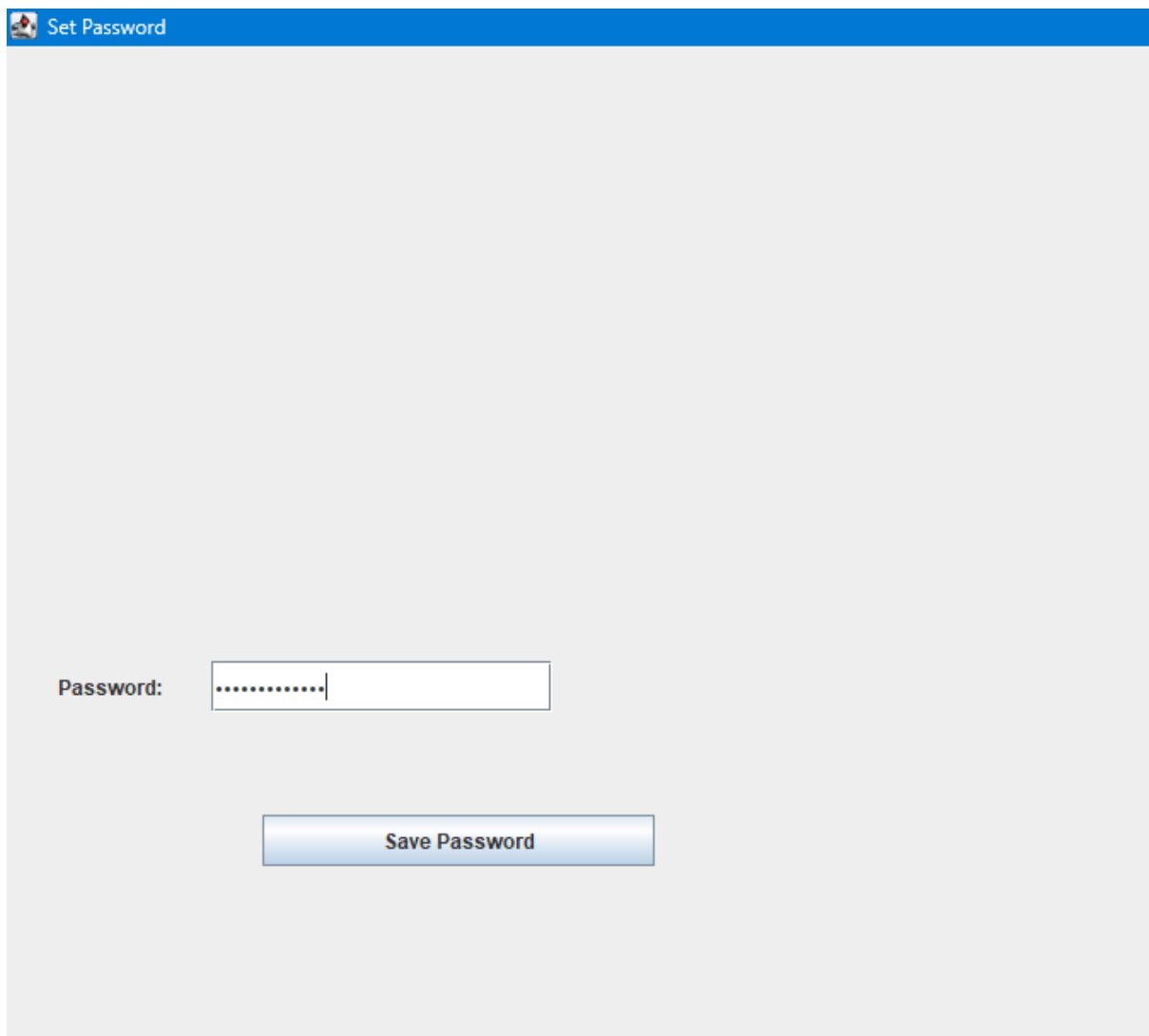
Clear

Display Salaries

When the submit button is clicked, based on the position in the company a set of further dialogue boxes will appear. For position “**Administration**” the following happens:



A message saying employee record created.

A screenshot of a Windows-style dialog box titled "Set Password" with a small icon on the left and a close button (X) on the right in the title bar. The dialog box has a light gray background. In the lower-left area, the text "Password:" is followed by a white rectangular input field containing several dots, indicating a masked password. Below the input field, centered horizontally, is a blue button with the text "Save Password" in white.

A window requesting that the password for the admins to be created as admins are the only persons permitted to use the system. When **Save Password** button is clicked it returns to the main create form window.

When the position is “**Driver**” the following happens.

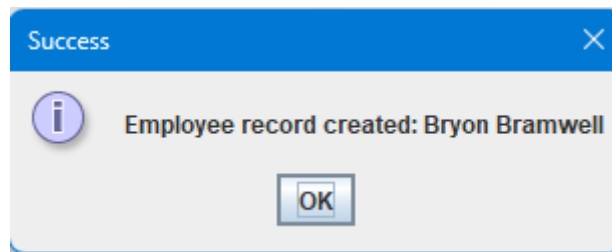
The screenshot shows a web form for creating a user. The form is set against a light gray background with a vertical blue bar on the left. The fields are as follows:

- First Name:** Text input with value "Bryon".
- Last Name:** Text input with value "Bramwell".
- Date of Birth:** Three dropdown menus for Date (6), Month (8), and Year (1998).
- Telephone:** Text input with value "876 345-0041".
- Email Address:** Text input with value "bryonbramwell98@gmail.com".
- Office Location:** Dropdown menu with value "Kingston".
- Position:** Dropdown menu with value "Driver".
- Address Line 1:** Text input with value "21 Tavistock Terrace".
- Address Line 2:** Text input with value "N/A".
- Post Office:** Text input with value "N/A".
- Parish:** Dropdown menu with value "St. Thomas".
- Employee Status:** Dropdown menu with value "Full-Time".

At the bottom of the form are three buttons:

- Submit**: A light blue button with a darker blue border.
- Clear**: A light blue button with a darker blue border.
- Display Salaries**: A light blue button with a darker blue border.

This confirmation message appears.



The program then asks you to set the contract start dates and end dates of the driver:

A screenshot of a Windows-style dialog box titled "Set Contract Length". It has a blue header bar with standard window controls (minimize, maximize, close). The main area is light gray and contains two sets of date pickers. The first set, labeled "Start Date:", includes three dropdown menus for "Date" (showing "8"), "Month" (showing "4"), and "Year" (showing "2024"). The second set, labeled "End Date:", includes three dropdown menus for "Date" (showing "25"), "Month" (showing "3"), and "Year" (showing "2025"). At the bottom center, there is a large button labeled "OK".

After setting the contract start and end dates, click **OK** the system returns to the Create Staff Window.

When the position is “**Maintenace**” the following will happen.

Java Haulage and Trucking Staff Creation Form

First Name:

Adam

Last Name:

Edwards

Date of Birth:

Date

6

▼

Month

12

▼

Year

1990

▼

Telephone:

876 223-3541

Email Address:

adamedwards90@gmail.com

Office Location:

Montego Bay

▼

Position:

Maintenance

▼

Address Line 1:

22 Cornwall Avenue

Address Line 2:

N/A

Post Office:

N/A

Parish:

Trelawny

▼

Employee Status:

Full-Time

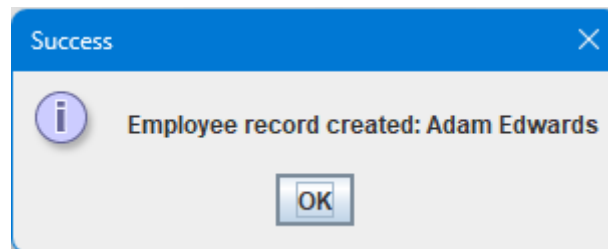
▼

Submit

Clear

Display Salaries

The confirmation of the employee being created comes up.



Click **OK** and then the system ask you to set the contract length as shown below.

A Windows-style dialog box titled "Set Contract Length" with a blue header bar and standard window controls (minimize, maximize, close) in the top right corner. The main area is light gray. It contains two rows of date pickers. The first row is labeled "Start Date:" and has three dropdown menus for "Date", "Month", and "Year" with values "1", "7", and "2024" respectively. The second row is labeled "End Date:" and has three dropdown menus for "Date", "Month", and "Year" with values "8", "1", and "2025" respectively. At the bottom center is a large "OK" button.

After clicking **OK** on the contract length, the system asks you to set the specialization of the maintenance worker from the drop-down menu.

A Windows-style dialog box titled "Set Maintenance Specialization" with a blue header bar and standard window controls (minimize, maximize, close) in the top right corner. The main area is light gray. It contains a label "Select Specialization:" followed by a dropdown menu. The dropdown menu is open, showing a list of four options: "Electrical", "Janitor", "Technician", and "Mechanic". The "Electrical" option is currently selected and highlighted.

After selecting the specialization and clicking **OK**, the system brings you back to the Staff Form window. Records for all the types of employees will be stored in the **staff** table below.

			▼	staffid	firstName	lastName	dateOfBirth	telephone	email	officeLocation	position	address1	address2	postOffice	parish	status	salary	adminPassword	contractStartDate	contractEndDate	numberOfTrips	maintenanceSpecialization	DTYPE
<input type="checkbox"/>	✎	✎	✎	152937	Jerrod	Bowen	1987-11-01	878 345-0004	jbowen87@gmail.com	Kingston	Maintenance	68 Smith Avenue	Kingston 7	N/A	Kingston	Full-Time	0	NULL	2024-08-01	2025-07-01	NULL	Mechanic	Staff
<input type="checkbox"/>	✎	✎	✎	255508	Jerome	Smith	1989-01-01	878 215-0981	jsmith323@gmail.com	Montego Bay	Administrative	21 Deacon Avenue	N/A	N/A	St Elizabeth	Part-Time	0	23456	NULL	NULL	NULL	NULL	Staff
<input type="checkbox"/>	✎	✎	✎	362221	Bob	Builder	2000-01-01	878 235-0781	bobuilder@gmail.com	Kingston	Maintenance	21 Apple Road	N/A	N/A	St Andrew	Part-Time	0	NULL	2024-01-01	2025-01-01	NULL	Technician	Staff
<input type="checkbox"/>	✎	✎	✎	507593	Damon	Dunn	1988-10-05	878 235-0088	damondunn33@gmail.com	Montego Bay	Driver	55 Montego Bay Crescent	N/A	N/A	St James	Full-Time	0	NULL	2024-03-01	2025-07-01	NULL	NULL	Staff
<input type="checkbox"/>	✎	✎	✎	727834	Shaun	Baker	2002-01-01	878 345-8012	shaubaker@gmail.com	Kingston	Maintenance	31 Coventry County	N/A	N/A	Manchester	Part-Time	0	NULL	2024-01-01	2025-01-01	NULL	Janitor	Staff
<input type="checkbox"/>	✎	✎	✎	801187	Shaun	Blake	1975-07-01	878 234-0449	shaunblake@gmail.co	Kingston	Administrative	22 Howard Lane	Kingston 4	N/A	St Andrew	Part-Time	0	32456	NULL	NULL	NULL	NULL	Staff
<input type="checkbox"/>	✎	✎	✎	850539	Roberto	James	1993-08-07	878 335-2389	robjames32@gmail.com	Montego Bay	Driver	45 Kings Street	Falmouth	N/A	Trelawny	Full-Time	0	NULL	2024-03-05	2025-12-31	NULL	NULL	Staff

Clear

When the clear button is selected, the form fields are cleared and a new record for an employee is ready to be created.



Java Haulage and Trucking Staff Creation Form

First Name:

Last Name:

Date of Birth:

Date

Month

Year

Telephone:

Email Address:

Office Location:

Position:

Address Line 1:

Address Line 2:

Post Office:

Parish:

Employee Status:

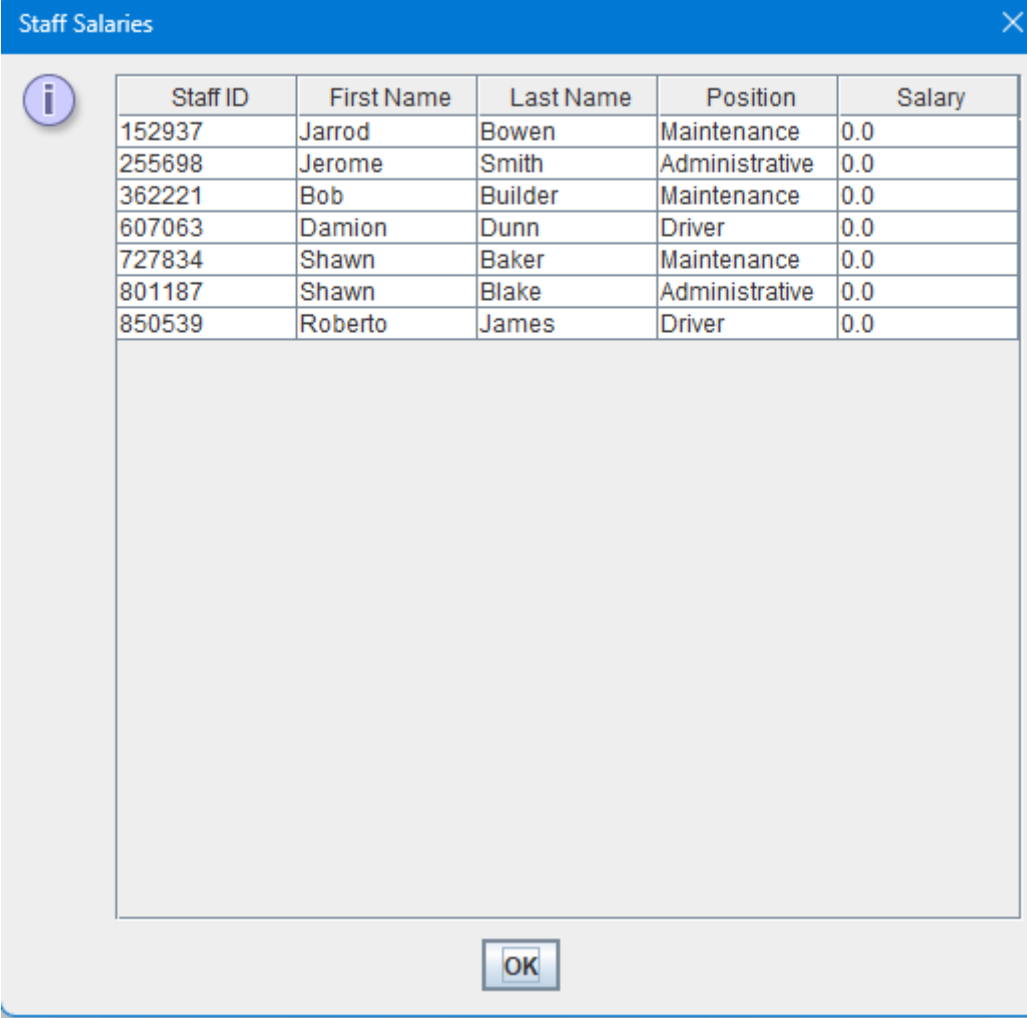
Submit

Clear

Display Salaries

Display Salaries

Clicking the display salaries button will display the salaries for all employees except drivers whose pay is billed separately.

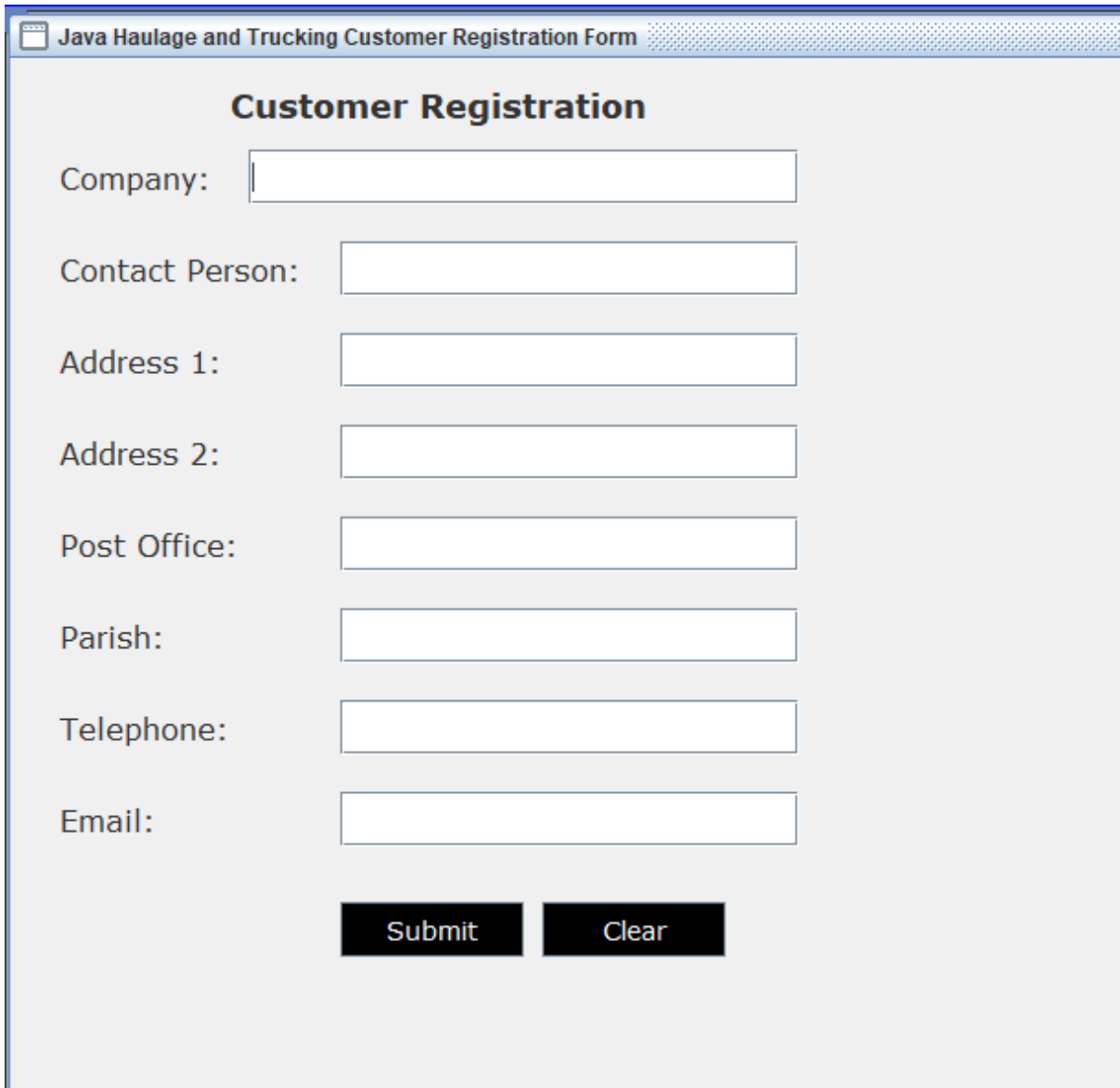


Staff ID	First Name	Last Name	Position	Salary
152937	Jarrold	Bowen	Maintenance	0.0
255698	Jerome	Smith	Administrative	0.0
362221	Bob	Builder	Maintenance	0.0
607063	Damion	Dunn	Driver	0.0
727834	Shawn	Baker	Maintenance	0.0
801187	Shawn	Blake	Administrative	0.0
850539	Roberto	James	Driver	0.0

After viewing the salaries, click **OK** to return to the Staff Form window.

Customer Form

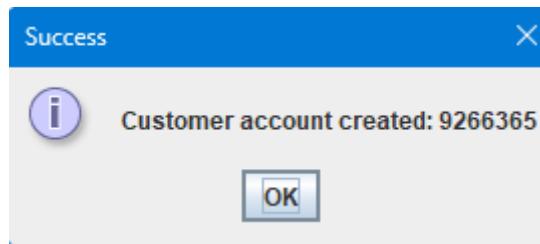
When the Customer Form is selected on the menu, it allows the admin to create a new customer. The form should display as follows:



The screenshot shows a web browser window with the title "Java Haulage and Trucking Customer Registration Form". The main heading of the form is "Customer Registration". Below the heading, there are eight text input fields, each preceded by a label: "Company:", "Contact Person:", "Address 1:", "Address 2:", "Post Office:", "Parish:", "Telephone:", and "Email:". At the bottom of the form, there are two buttons: "Submit" and "Clear".

Submit

When the submit button is clicked the following message appears:



Message shows that a customer account has successfully been created as well as the customers ID number. Click **OK** and you will return to the Customer Form window. Customer records can be seen in the customer table below>

		customerId	company	contactPerson	address1	address2	postOffice	parish	telephone	email	status	balance	creationDate
<input type="checkbox"/>	Edit Copy Delete	1657698	Dana's Nails	Dana Thompson	23 Aberdeen Avenue	Kingston 6	N/A	Kingston	876 235-0679	danathompson@gmail.com		0	NULL
<input type="checkbox"/>	Edit Copy Delete	5768579	Hilo Grocers	Davian Ferguson	21 Hagley Park Road	Kingston 4	PO BOX 1234	St. Catherine	876 256-091	davianfergusonhilo@gmail.com		0	NULL
<input type="checkbox"/>	Edit Copy Delete	7293723	Mega Mart	Sashanna Forbes	21 Main Street	N/A	N/a	St. Catherine	876 234-0081	sashanaforbes21@gmail.com		0	NULL
<input type="checkbox"/>	Edit Copy Delete	9266365	S&M Auto Parts	Ryan Folks	33 1/2 Molyne's Road	Kingston 5	N/A	SKingston	876 225-3421	ryanfolkssandm@gmail.com		0	NULL

Clear

On clicking the clear button, it wipes the form of the current data and returns a blank form ready to be populated.

Java Haulage and Trucking Customer Registration Form

Customer Registration

Company:

Contact Person:

Address 1:

Address 2:

Post Office:

Parish:

Telephone:

Email:

Troubleshooting

If errors are occurring with the creation of records and buttons clicks on the form, check that the server is connected and is running. For further assistance please contact the IT department at 876 246-0933 or EXT 2236.