Latvijas Republikas izglītības un zinātnes ministrija Daugavpils Tehnoloģiju un tūrisma tehnikums

PROJEKTA DARBS

Programmēšanas tehniķis

specialitāte

1. projekta darbs

temats

Testēšanas sistēmas izveidošana

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**DTTT.P.D.00XX.0XXPR**

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# Ievads

Projekta darbā ir aprakstīta testēšanas programma, kura izpilda sekojošas funkcijas:

* lietotāju reģistrēšana
* datu ievade
* datu saglabāšana
* datu rediģēšana
* testa pildīšana
* rezultātu aprēķināšana

Sistēma nodrošina audzēkņa testēšanu par noteiktu tēmu/vielu, tas ir domāts, lai skolotājs varētu viegli izlikt atzīmi skolēnam digitālā veidā attālināti vai klātienē.

Programmas princips ir šāds:

Palaižot programmu, lietotājs tiek aicināts reģistrēt savu profilu vai pieteikties jau izveidotajā profilā, izmantojot lietotājvārdu un paroli. Programma, kurā lietotāji var reģistrēties kā "Lietotājs" vai "Administrators". Pēc reģistrācijas lietotāji tiks novirzīti uz lapu ar dažādu tēmu testiem. Pēc testu veikšanas lietotāji redzēs savu rezultātu par katru testu, kā arī kopējo rezultātu. Visi rezultāti tiks saglabāti datu bāzē.

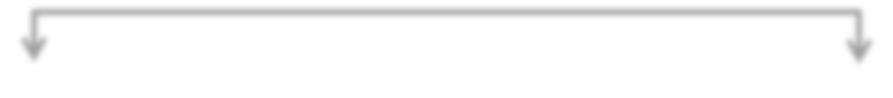
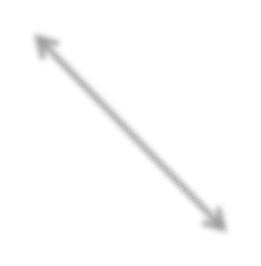
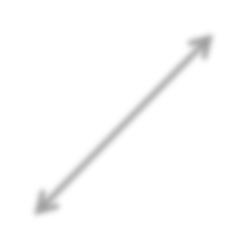
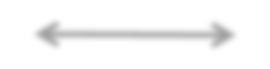
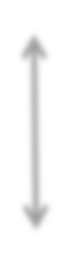
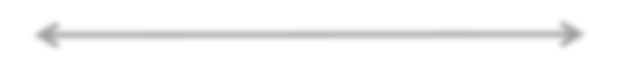
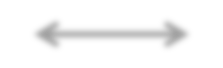
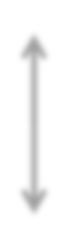
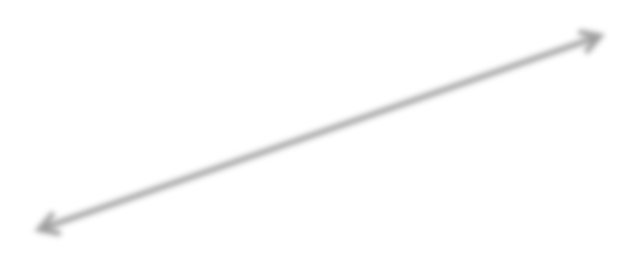
Ja lietotājs reģistrējas kā "Administrators", viņam/viņai tiks nodrošināta piekļuve lietotāju sarakstam un iespēja rediģēt testus.

# Uzdevuma nostādne

# Sistēmas modelis

# Priekšmetiskās jomas informācijas modelis

Apskatāmā sistēmā tika izdalīti objekti: Datu bāze (Fails ar atbildēm), Tests, Rezultāti, Administrators / Skolotājs, Lietotājs. Šie objekti un saites starp tiem ir paradīti ([1.1. att.](#_bookmark4)).



Datu bāze

Tests

Rezultāti

Admins

Lietotājs

* 1. **att. Vienkāršots testēšanas sistēmas modelis**

Saišu nozīme vienkāršotā nodaļas modelī:

* Skolotājs ir testa veidotājs un pārbaudītājs, kuram ir pieeja pie atbildēm, testam un lietotāja rezultātiem;
* Datu bāze satur failus ar jautājumiem un ar pariezām atbildēm;
* Lietotājs ir testa pildītājs, kas beigās var apskatīt savus rezultātus, nepieciešamības gadījumā viņš varēs sazināties ar skolotāju;
* Tests ir instruments, kas palīdzēs pārbaudīt lietotāju zināšanas un novērtēt to ar atzīmi;
* Rezultāti parāda atzīmi, pareizās un nepareizās atbildes skaitliski un procentuāli.

# Sistēmas apkārtnes shēma

Dati, kā atbildes, ko ievada audzēknis tiek saglabāti failā. Tomēr dažreiz atbildes netiek automātiski novērtētas un skolotājam ir iespēja manuāli novērtēt iesniegto atbildi. Saskarni ar lietotājiem nodrošinās interfeisa modulis ([1.2. att.](#_bookmark6)).

Lietotājs

Lietotāja saskarne

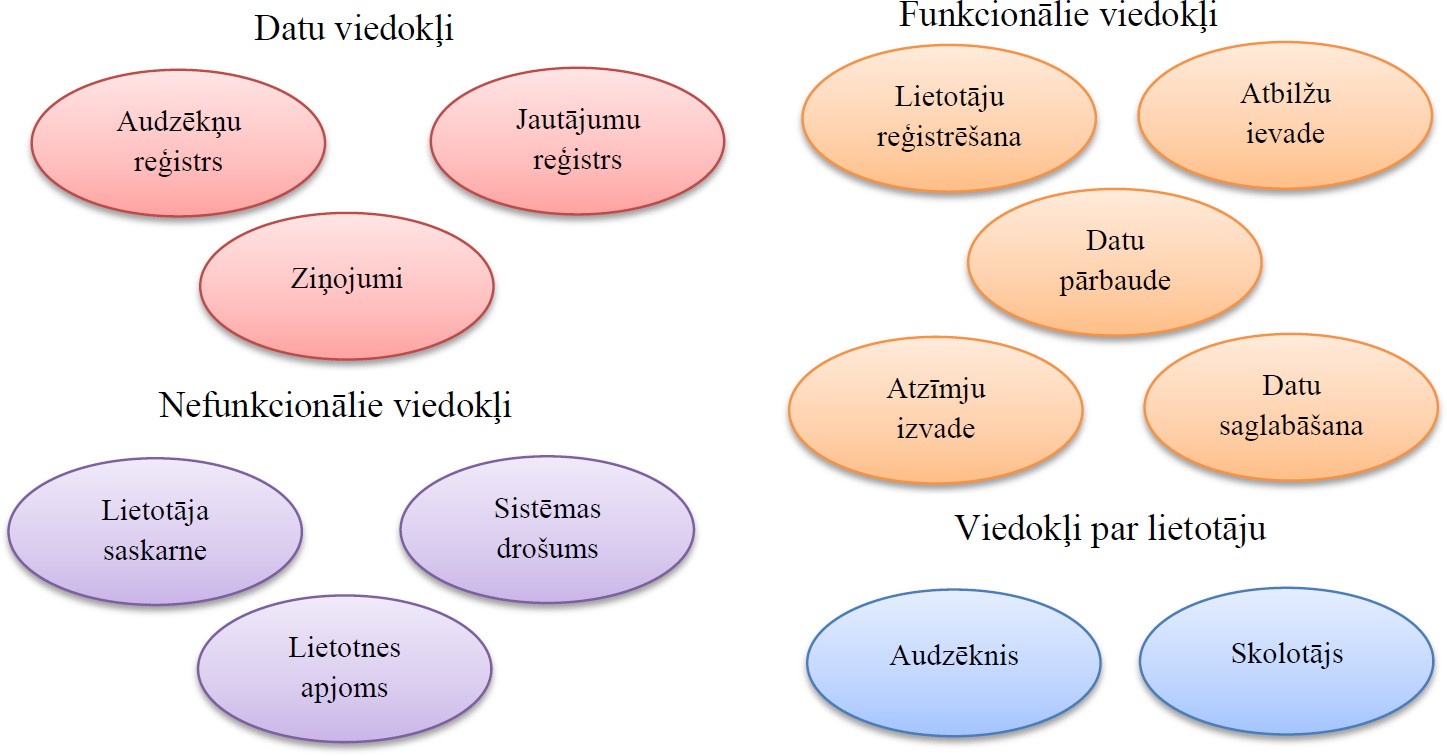
Sistēma

Datu bāze

Lietotāja dati un rezultāti

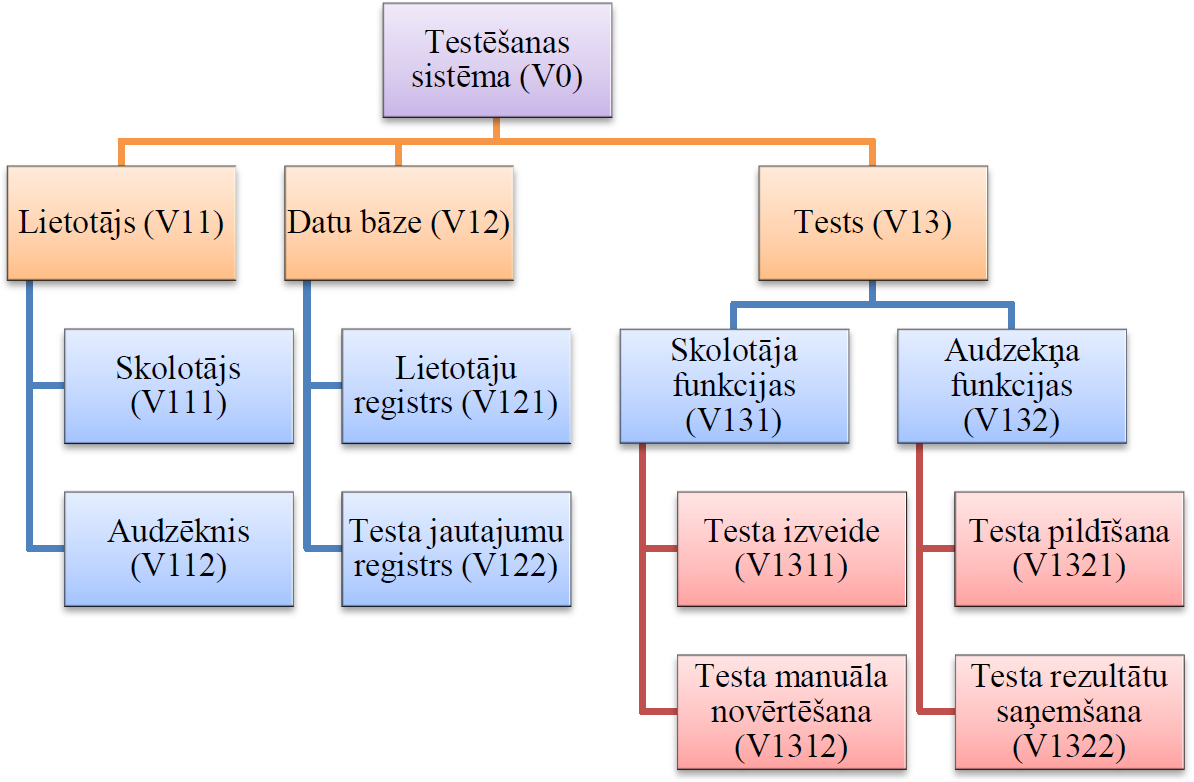
* 1. **att. Sistēmas apkārtnes modeļa piemērs**

# Viedokļu analīze

Savāktie un identificētie viedokļi par sistēmu ir attēloti ar burbuļdiagrammas palīdzību ([1.3. att.](#_bookmark8)), tas faktiski ir viedokļu kopums, kur katra viedokļa nosaukums ir ierakstīts atsevišķa elipsē.

* 1. **att. Viedokļu burbuļu diagramma**

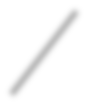
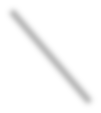
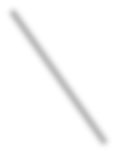
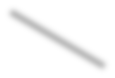
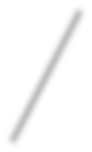
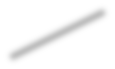
Otrais etaps viedokļu analīzē ir viedokļu klasifikācija, kad viedokļi ir sagrupēti grupās ([1.4. att.](#_bookmark9)).



* 1. **att. Viedokļu hierarhiskā struktūra**

# Datu modelēšana

Datu modelēšanai ir tiek izmantots ER modelis. Testēšanas sistēmas ER modelis ([1.5. att.](#_bookmark11)) ietver datu entītiju kopumu un relāciju kopumu starp datu entītijām, pie kam ar šo modeli var attēlot dažāda tipa relācijas starp datu elementiem.



Lietotājvārds

Audzēkņa vārds

Pilda

Parole

Testa nosaukums

Satur

Testa nosaukums

Lietotājvārds

Parole

Izveido

Jautājuma apraksts

Atbildes

Testa

nosaukums Pareiza atbilde

Jautājums

Skolotājs

Tests

Audzēknis

* 1. **att. Vienkārsots testēšanas sistēmas ER modelis**

# Datu vārdnīca

|  |  |  |
| --- | --- | --- |
| **Datu tips** | **Nosaukums** | **Apraksts** |
| **String** | **jaut** | Audzēknis ievada savu vārdu un uzvārdu |
| **String** | **questionText** | Neliels teksta apgabals, kas apraksta jautājumu |
| **String[]** | **Atbilde\*** | Atbilžu variantu masīvs. Tiek piedāvāti vairāki atbilžu  varianti, kur ir jāizvēlas viens pareizs |
| **int** | **patb1** | Aile, kas nosaka, vai tika izvēlēts pareizs atbildes variants |
| **float** | **result** | Audzēkņa saņemto punktu skaits (0-100) |
| **int** | **atzime** | Audzēkņa atzīme (0-10) |

# Sistēmas evolūcija

Testēšanas sistēma ir neatkarīga un pašpietiekama programma. Produktam nav paredzētas vairākas sastāvdaļas.

Programmai ir trīs ārējās saskarnes, kuras var apskatīt 1.4. nodaļā – viena paredzēta reģistrēšanai sistēmā, otrā – ielogošanai sistēmā un trešā – testa pildīšanai. Grafisko lietotāja saskarni var pilnveidot, papildinot to ar dažādām krasu un noformējuma shēmām.

Testēšanas sistēmā paredzēti divu lietotāju veidi: administrators un lietotājs, kurš pilda testu. Nākotnē plānots pievienot vēl vienu lietotāju grupu ar funkciju veidot jaunus testus un pārbaudīt izpildītos testus, līdz ar to lietotājiem būs divas lomas: audzēknis, kurš pilda testu un skolotājs, kurš veido un pārbauda testus. Administratoram plānots realizēt funkciju mainīt lietotāja vārdu, uzvārdu, lietotājvārdu vai paroli, ka arī pievienot un dzēst lietotājus un mainīt vīnu lomas.

Programma satur vienu testu, kurā ir 10 jautājumi, tomēr nākotnē sistēmu var pilnveidot, pievienojot jaunas testa tēmas, kļūdu uzrādīšanu un kļūdu skaidrojumu pēc testa izpildes, lietotāju reitingu, lietotāju datu izvadi lietotāja izvēlnē vai administratora izvēlnē.

Sistēmas dažiem datu tipiem tiks izmantoti dati, kuri tiek saglabāti teksta failā, nākotnē programmu var pilnveidot darbam ar datu bāzi (datu bāzes savienojums, testa jautājumi un atbildes uz tiem u.c.)

# Sistēmas funkcionālās prasības

## Funkcija “Reģistrēties sistēmā”

### ID: T1

**Ievads:** Ļauj ievadīt nepieciešamus datus, lai izveidotu savu kontu. Visi ievadīti dati tiek saglabāti failā (datu bāzē).

## Ievade:

* 1. Lietotāja lietotājvārds
  2. Lietotāja parole
  3. Ievadītās paroles apstiprināšana.

## Apstrāde:

1. Lietotāja lietotājvārda datu bazē.
2. Lietotāja paroles saglabāšana datu bazē.

Ja ievadītā parole ir nepareiza, tad tiek atvērts kļūdas dialoglodziņš.

**Izvade:** Dialoglodziņš “liet1” ar testiem un atzimem.

## Funkcija “Ielogoties sistēmā”

### ID: T2

**Ievads:** Ļauj ievadīt nepieciešamus datus, lai ieiet sava kontā.

## Ievade:

* 1. Lietotāja lietotājvārds
  2. Lietotāja parole

## Apstrāde:

1. Lietotāja lietotājvārda pārbaude un atrašana DB.
2. Lietotāja paroles pārbaude un atrašana DB.

Ja ievadītā parole vai/un lietotājvārds ir nepareiza, tad tiek atvērts kļūdas dialoglodziņš.

**Izvade:** Dialoglodziņš “liet1” ar testiem un atzimem.

## Funkcija “Sākt testu”

### ID: T3

**Ievads:** Ļauj administratoram sākt testu.

**Ievade:** Administrators noklikšķina uz pogu “Sākt testu”. Pēc tam sistēma uzdod jautājumu: "Vai Jūs vēlaties sākt testu?" Administratoram ir divi varianti atbildēm "Jā" vai "Nē".

**Apstrāde:** Sistēma pārbauda atbildi uz uzdoto jautājumu un pēc tam sāk testu, ja uz uzdoto jautājumu atbilde "Jā". Tad tests ir pieejams lietotājiem to veikšanai.

**Izvade:** Administratora ekrānā tiek parādīts dialoglodziņš ar tekstu "Tests ir atverts!"

## Funkcija “Pildīt testu”

### ID: T4

**Ievads:** Ļauj lietotājam sākt testa izpildi.

**Ievade:** Lietotājs noklikšķina uz pogu “Pildīt testu”.

**Apstrāde:** Ja tests ir pieejams izpildei, tad pēc testa izvēles tiek parādīts dialoglodziņš ar tekstu “Vai vēlaties izpildīt testu?". Lietotājam ir divi varianti atbildēm "Jā" vai "Nē".

**Izvade:** Lietotājā ekrānā tiek parādīts dialoglodziņš ar uzrakstu "Tests sakas!"

## Funkcija “Atbildēt uz testa jautājumu”

### ID: T5

**Ievads:** Ļauj ievadīt atbildi uz testa jautājumus.

**Ievade:** Lietotājs izvēlas 1 no 3 piedāvātajām atbildēm uz uzdoto jautājumu.

**Apstrāde:** Sistēma pārbauda atbildi uz jautājumu. Pēc katras pareizās atbildes sistēma pievieno 1.

**Izvade:** Pēc izvēlētās atbildes uz visiem 5 jautajumiem atbildes lietotājs noklikšķina uz pogas "Pabeigt”

## Funkcija “Parādīt rezultātu”

### ID: T6

**Ievads:** Ļauj uzzināt nokārtotā testa rezultātus.

**Ievade:** Lietotājs noklikšķina uz pogas " Pabeigt ".

**Apstrāde:** Sistēma saskaita pareizo atbilžu skaitu, nepareizo atbilžu skaitu un neatbildēto jautājuma skaitu, tad aprēķina pareizo atbilžu procentuālo vērtību, pēc tam nolasa vērtējumu par 10 balles skalu un atrod komentāru par saņemto atzīmi.

**Izvade:** Tiek atvērts dialoglodziņš, kurā tiek rakstīts šāds teksts:

* 1. Pareizo atbilžu skaits.
  2. Nepareizo atbilžu skaits.
  3. Pareizo atbilžu procentuālā daļa.
  4. Atzīme.

## Funkcija “Parādīt videjo atzimi”

***ID: T7***

**Ievads:** Ļauj uzzināt videjo testu rezultātus.

**Ievade:** Lietotājs noklikšķina uz pogas " Izzinat videjo rezualtatu ".

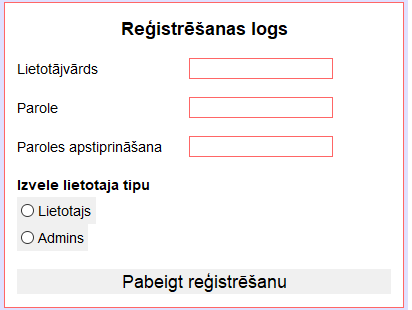
**Apstrāde:** Sistēma saskaita videjo atzimi par visus testus rezultatus

**Izvade:** Tiek atvērts dialoglodziņš, kurā tiek rakstīts šāds teksts:

* 1. Videjo Atzīme.

# Sistēmas nefunkcionālās prasības

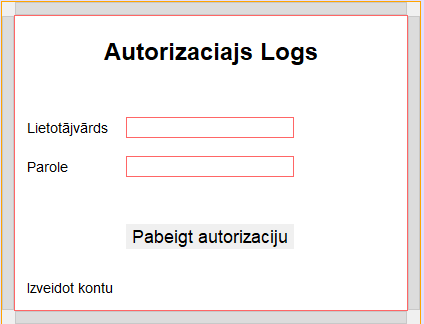
1. Prasības produktam:
   1. Lietotāju saskarne ar sistēmu notiek latviešu valodā.
   2. Produktam nav paredzētas vairākas sastāvdaļas. Produktam ir trīs ārējās saskarnes: reģistrēšanai sistēmā, ielogošanai sistēmā, testa pildīšanai.
   3. Programma ir paredzēta vienam lietotājam, kurš saprot latviešu valodu. Lietotāja vecuma vai izglītības ierobežojumi nav paredzēti.
2. Ārējās saskarnes prasības
   1. Lietotāja saskarne: produkts paredz vienotu lietotāja saskarni.
   2. Ekrāna formāti: minimālais ekrāna izmērs ir 10” ar minimālo izšķirtspēju –800x600 punkti.
   3. Lietotāja saskarne “Lietotāja reģistrēšanas saskarne”. Saskarnes struktūra: skat. [1.6. att.](#_bookmark16)



**1.6. att. Lietotāja reģistrēšanas saskarne**

Saskarnes elementi:

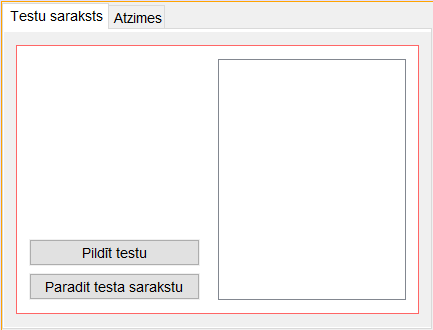
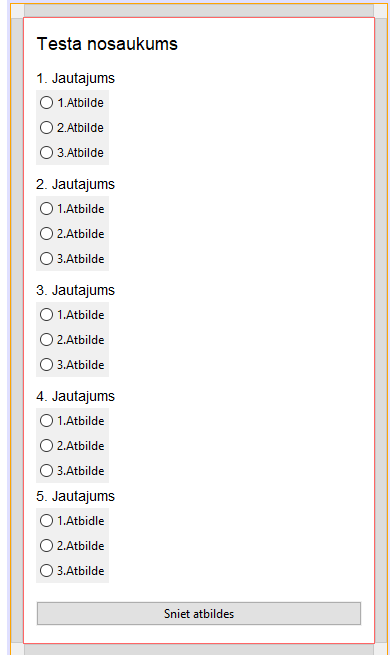
1. jLabel4 “Reģistrēšanas logs”
2. teksta lauks “Lietotājvārds” / jLabel “Lietotājvārds”
3. teksta lauks ‘Parole” / jLabel “Parole”
4. teksta lauks “Paroles apstiprināšana” / jLabel “Paroles apstiprināšana”
5. jLabel9 “Izvele lietotaja tipu”
6. jRadioButton “Lietotajs”
7. jRadioButton “Admins”
8. jButton2 “Pabeigt reģistrēšanu”
   1. Lietotāja saskarne “Lietotāja ielogošanas saskarne”. Saskarnes struktūra: skat. [1.7. att.](#_bookmark17)

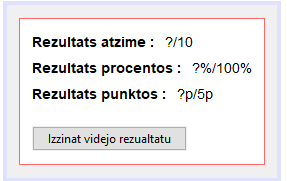


**1.7. att. Lietotāja ielogošanas saskarne**

Saskarnes elementi:

1. jLabel “Autorizacijas Logs”
2. teksta lauks “Lietotājvārds”
3. teksta lauks ‘Parole”
4. poga “Pabeigt autorizaciju”
5. jLabel/poga “Izveidot kontu”
   1. Lietotāja saskarne “Testa izpilde”. Saskarnes struktūra: skat. [1.8. att.](#_bookmark18)

a)  b) 

c) 

**1.8. att. Testa izpildes saskarne: testa izvēle/sakums; b) atbilde uz jautājumu/-iem ; c) rezultāti**

Saskarnes elementi:

a)

1.jList1 (testu saraksts)

2.jButton “Pildit testu”

3.jButton “Paradit testa sarakstu”

4.jPanel “Testu saraksts”

5.jPanel “Atzimes”

b)

1.jLabel “Testa nosaukums”

2.jLabel “\*.jautajums”

3.jRadioButton “\*.Atbilde”

4.jButton “Sniegt atbildes”

c)

1.jLabel “Rezultats atzimē”

2.jLabel “Rezultats procentos”

3.jLabel “Rezultats punktos”

4.jButton “Izzinat videjo rezultatus”

5.jLabel “?p/5p”

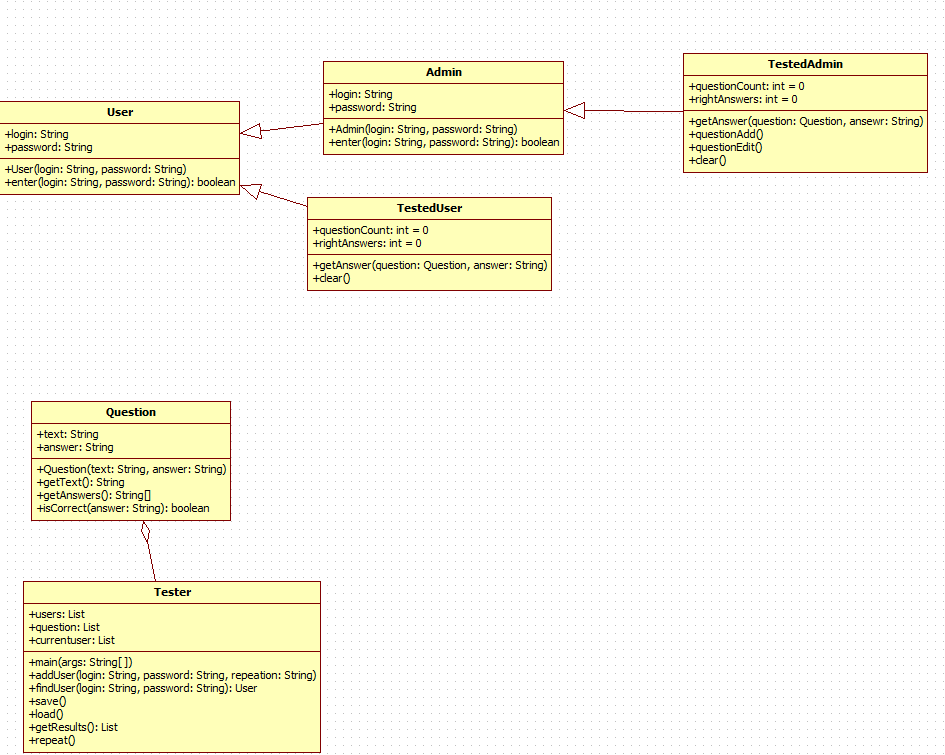
6.jLabel “?%/100%”

7.jLabel “?/10”

# Priekšmetiskās jomas klašu sistēmas izstrāde

# Klašu diagramma

Klašu diagrammā ir realizēts vispārīgs klašu apraksts – klašu hierarhijas vispārējā struktūru, to sadarbība, atribūti, metodes, saskarnes un to savstarpējās attiecības, izmantojot UML valodu.



**2.1. att. Testēšanas sistēmas klašu diagramma UML valodā**

Balstoties uz izstrādāto sistēmas modeli var veikt sekojošu klašu iedalījumu ([2.1. att.](#_bookmark21)):

1. Klase **User** – ir atbildīga par darbu ar lietotājiem.
   * User (login: String, password: String) – konstruktors, kurš izveido jaunu lietotāju ar norādītiem datiem;
   * enter (login: String, password: String) – metode, kura nodrošina lietotāju pieslēgšanu sistēmai:
2. Klase **Admin** – nodrošina darbu ar lietotajiem un testiem
   * Admins (login : String, password: String) - konstruktors, kurš izveido jaunu adminu ar norādītiem datiem;

* enter (login: String, password:String) - metode, kura nodrošina adminu pieslēgšanu sistēmai:

1. Klase **Question** – ir atbildīga par darbu ar testa jautājumiem, to izvadi un ievadītas atbildes pārbaudi …
2. Klase **DistanceExamenator** – programmas darbību koordinējošā klase. Tā nodrošina programmas galvenās metodes izsaukumu un grafiskās saskarnes izveidi, tā arī …

# Klašu realizēšana Java valodā

Izstrādātās klašu diagrammas ([2.1. att.](#_bookmark21)) realizēšanai ***NetBeans*** vidē tika izveidots projekts ar nosaukumu ***TestingSystem***, kurā izstrādātās klases tika aprakstītas ***Java*** valodā. Šeit tiek piedāvāts klašu vispārīgā apraksta (klašu deklarācijas) programmas kods un metožu apraksti.

Pilns avota programmas kods ar klašu metožu definīcijām ir ievietots pielikumā “[Pielikums A.](#_bookmark33) [Klašu sistēma](#_bookmark33)”, bet programmas kods, kas realizē šīs klašu sistēmas testēšanu (klase ar grafisko lietotāja saskarni) ir ievietots pielikumā “[Pielikums B. testa programmas kods](#_bookmark34)”.

String log2 = logn.getText();

String par2 = parn.getText();

String usertype = "";

if (liet.isSelected()) {

usertype = "lietotajs";

} else if (admin.isSelected()) {

usertype = "admins";

} else {

//

}

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/quizdb", "root", "1234");

String sqlcode = "INSERT INTO users VALUES (?, ?, ?)";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, log2);

PS.setString(2, par2);

PS.setString(3, usertype);

PS.executeUpdate();

} catch (Exception e) {

System.out.println(e.getMessage());

}

Connection connection = null;

PreparedStatement pst = null;

ResultSet rs = null;

try {

// Establishing the connection

connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/quizdb", "root", "1234");

// SQL query to fetch data

String sql = "SELECT username, testname, atzime FROM atzimes";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

// Getting the table model and clearing existing rows

DefaultTableModel model = (DefaultTableModel) jTable1.getModel();

model.setRowCount(0);

// Fetching data from the result set and adding it to the table model

while (rs.next()) {

String username = rs.getString("username");

String testname = rs.getString("testname");

String mark = rs.getString("atzime");

model.addRow(new Object[]{username, testname, mark});

}

// Setting the model back to the JTable

jTable1.setModel(model);

} catch (SQLException e) {

e.printStackTrace();

}

# Testa programmas izstrāde

# Testēšanas metodikas

Pirms priekšmetiskās jomas klašu sistēmas testēšanas programmas izstrādes, ir jānosaka testēšanas metodika.

Ir jāatšķir koda testēšana un atkļūdošana. Atkļūdošanu veic programmētājs, izmantojot iebūvētos izstrādes vides rīkus un balstoties uz pieredzi programmas koda rakstīšanā. Būtībā runa iet par sintaktisko un semantisko kļūdu identificēšanu programmas tekstā.

Testēšana ir process, kurā nepieciešams plānot un īstenot vairākas sākotnējās procedūras, no kurām galvenā ir testa piemēru kopas izstrāde, kas veido testa plānu. Testpiemēri vairumā gadījumu ir balstīti uz sistēmas funkcionālajām prasībām un var ietekmēt dažādus attīstības līmeņus (vienības testēšana, integrācijas testēšana, sistēmas testēšana).

Projekta darba laikā nepieciešams veikt vienkāršotu vienības testēšanas versiju, kas realizē visu izstrādāto klašu metožu testēšanu. Ar testēšanas metodiku projekta darbā pieņem dažādu klases metožu izsaukšanas iespēju sarakstu ar gaidāmajiem rezultātiem un šo testēšanas izsaukumu izpildes kārtību.

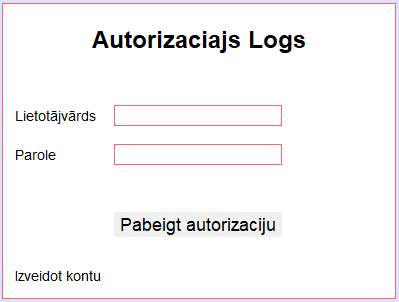
# Testēšanas programmas struktūra

Testēšanas programmas projektēšana un programmatūras izstrāde ir ļoti līdzīga iepriekš aprakstītajam klašu sistēmas izstrādes procesam.

Jāatzīmē tie momenti un prasības, kas pastāv, izstrādājot testēšanas programmu.

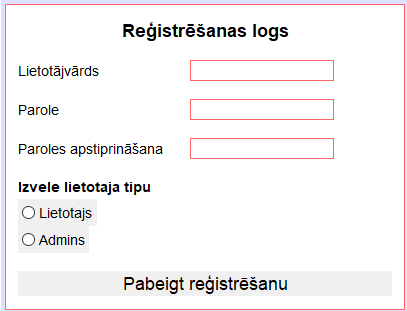
* + Testēšanas programmai ir loga interfeiss, kas ietver sevī izvēlnes un interaktīvā interfeisa rīkus, ar kuru palīdzību var pārbaudīt izveidoto klašu sistēmu.
  + Interfeisa elementu (pogas, saraksti, ievades lauki, dialoglodziņi, grafiskie elementi utt.) komplekts tiek noteikts, pamatojoties uz iepriekšējā sadaļā aprakstīto testēšanas metodiku.
  + Testēšanas programmas interfeisa kvalitātei jābūt vienkāršai lietošanā un interaktīvai. Galvenā prasība ir spēja realizēt testēšanas metodes.

1. Ielogošanas procesa apraksts:
   * Ielogošanas process paredzēts reģistrēto lietotāju pievienošanai sistēmā. Lai lietotājs varētu piekļūt testam viņam pēc ir nepieciešams autorizēties. Ielogošanas procesā lietotājs ievada iepriekš reģistrētos datus – lietotājvārdu un paroli ([3.1. att.](#_bookmark26) ). Ja lietotāja dati sakrīt ar validācijas datiem, tad lietotājam tiek atvērts programmas galvenais logs (3.3. att.).
   * Ielogošanas procesā ir iespējamas vairākas kļūdas – neaizpildīti lauki, neprecīzi ievadīti lietotāja dati.

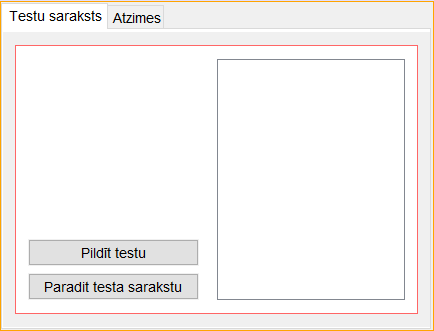


**3.1. att. Testēšanas sistēmas ielogošanas forma**

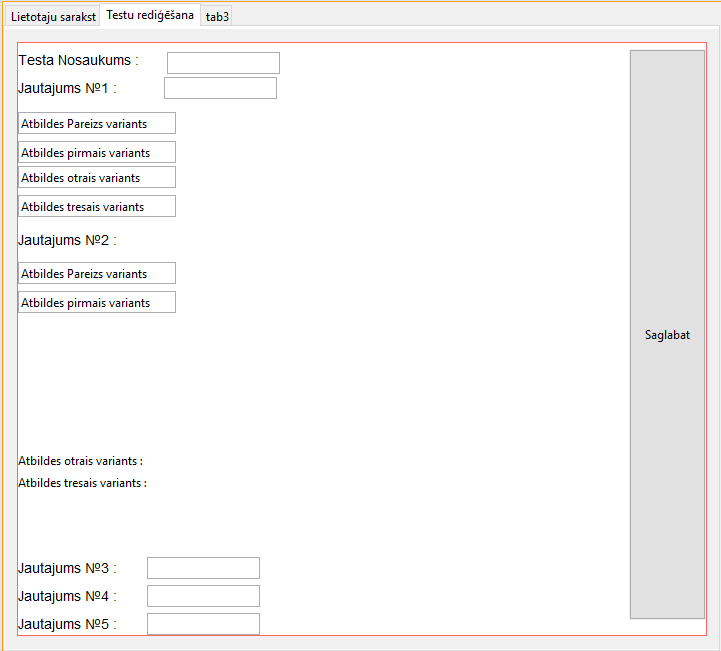
1. Reģistrācijas procesa apraksts:
   * Reģistrācijas process paredzēts reģistrēto lietotāju pievienošanai sistēmā. Lai lietotājs varētu piekļūt testam viņam pēc ir nepieciešams vispirms reģistreties . Reģistrācijas procesā lietotājs ievada datus (lietotājvārdu parole un paroles apstiprinasana) un ši dati būs saglabāti datu baze.([3.2. att.](#_bookmark26) ). Ja lietotāja dati sakrīt ar validācijas datiem, lietotajam parada logu ar testiem(ja reģistrējas lietotajs) vai testu redeģešanas logs(ja admins) (3.4. att.).
   * Reģistrācijas procesā ir iespējamas vairākas kļūdas – neaizpildīti lauki, neizvelas neviens jRadioButton.



**3.2. att. Testēšanas sistēmas reģistrēšanas forma**



**3.3. att. Testēšanas sistēmas reģistrēšanas forma**



**3.4. att. Testēšanas sistēmas reģistrēšanas forma**

# Lietotāja rokasgrāmata

# Lietotāja instrukcija

1. Lietotajam vajag …
2. Lietotājs palaiž programmu.
3. Piesakās sistēmā, izmantojot savu lietotājvārdu un paroli, ja lietotājam nav sava konta, tad viņš var reģistrēt to.
   1. Reģistrācijas logā lietotājs aizpilda visus nepieciešamus datus un noklikšķina uz pogas Reģistrēties.
4. Lietotāja izvēlnē ir 2 pogas.
   1. Poga «Pildīt testu» ļauj sākt pildīt testu.
      1. Pēc testa izpildīšanas tiek paradīts testa izpildes rezultāti.
   2. Poga «Atteikties no konta» ļauj iziet no sava konta.
5. Administratora izvēlnē ir 3 pogas.
   1. Poga «Sākt testu» ļauj atļaut lietotājam piekļuvi testam.
   2. Poga «Testa statuss» ļauj paradīt testa statusu – «Tests ir atļauts» vai «Tests nav atļauts».
   3. Poga «Atteikties no konta» ļauj iziet no administratora konta.

# Palīdzības sistēma (Help)

Lai sākt pildīt testu, Jums ir nepieciešams ieiet savā kontā, ievadot lietotājvārdu un paroli.°

Pēc tam lietotajam vajag izvelet testu no loga u nospests uz pogu “ Pildīt testu “

Pēc testa izspildišanais lietotajs var redzet savu ieguto punktu skaitu. Jā lietotajam būs citi jautajumi, viņš var nospiest uz pogu “ FAQ“ kur viņš redzet ši to log u: Изображение выглядит как текст, снимок экрана, дисплей, программное обеспечение

Автоматически созданное описание

# Secinājumi

Tika izstrādāts projekts «Testēšanas sistēma» NetBeans vidē. Tika izpildītas visas programmas bāzes prasības. Projekta izpildīšanas laikā radās dažādas problēmas, kas neļāva veikt sākotnējo vēlamu rezultātu, bet tajā pašā laikā bija interesanti uzzināt jaunu informāciju, kas noderēs turpmāk. Piemēram, darbs ar JDBC (the Java Database Connectivity) un jaunas darba izpildes metodes. Tā bija mana pirmā pieredze, izstrādājot projektu. Diemžēl ir palikušas nerealizētas idejas, kas varētu izveidot manu projektu labāk, bet galvenais, ka ir realizētas galvenās prasības un viss strādā. Ceru, jo tālāk, jo labāk!

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…

# Pielikums A. Klašu sistēma

import java.sql.DriverManager;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.ButtonGroup;

import javax.swing.ButtonModel;

import javax.swing.DefaultListModel;

import javax.swing.table.DefaultTableModel;

public class Main extends javax.swing.JFrame {

String vards;

/\*\*

\* Creates new form Main

\*/

public Main() {

initComponents();

}

/\*\*

\* 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() {

reg = new javax.swing.JDialog();

jPanel2 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

logn = new javax.swing.JTextField();

parn = new javax.swing.JTextField();

jTextField1 = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

liet = new javax.swing.JRadioButton();

admin = new javax.swing.JRadioButton();

jLabel9 = new javax.swing.JLabel();

buttonGroup1 = new javax.swing.ButtonGroup();

Admin = new javax.swing.JDialog();

jTabbedPane1 = new javax.swing.JTabbedPane();

jPanel3 = new javax.swing.JPanel();

jPanel5 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jPanel14 = new javax.swing.JPanel();

jButton3 = new javax.swing.JButton();

jButton10 = new javax.swing.JButton();

log3 = new javax.swing.JTextField();

par3 = new javax.swing.JTextField();

liet2 = new javax.swing.JRadioButton();

admin2 = new javax.swing.JRadioButton();

jButton14 = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jPanel11 = new javax.swing.JPanel();

jLabel12 = new javax.swing.JLabel();

tn = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

jLabel16 = new javax.swing.JLabel();

jLabel17 = new javax.swing.JLabel();

jaut1 = new javax.swing.JTextField();

patb2 = new javax.swing.JTextField();

atbilde5 = new javax.swing.JTextField();

atbilde6 = new javax.swing.JTextField();

jaut2 = new javax.swing.JTextField();

jButton7 = new javax.swing.JButton();

patb1 = new javax.swing.JTextField();

atbilde1 = new javax.swing.JTextField();

atbilde2 = new javax.swing.JTextField();

atbilde3 = new javax.swing.JTextField();

jLabel29 = new javax.swing.JLabel();

atbilde4 = new javax.swing.JTextField();

jLabel24 = new javax.swing.JLabel();

jaut3 = new javax.swing.JTextField();

patb3 = new javax.swing.JTextField();

atbilde7 = new javax.swing.JTextField();

atbilde8 = new javax.swing.JTextField();

atbilde9 = new javax.swing.JTextField();

jaut4 = new javax.swing.JTextField();

patb4 = new javax.swing.JTextField();

atbilde10 = new javax.swing.JTextField();

atbilde11 = new javax.swing.JTextField();

atbilde12 = new javax.swing.JTextField();

jaut5 = new javax.swing.JTextField();

patb5 = new javax.swing.JTextField();

atbilde13 = new javax.swing.JTextField();

atbilde14 = new javax.swing.JTextField();

atbilde15 = new javax.swing.JTextField();

liet1 = new javax.swing.JDialog();

jTabbedPane2 = new javax.swing.JTabbedPane();

jPanel6 = new javax.swing.JPanel();

jPanel8 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

testuname = new javax.swing.JList<>();

jButton4 = new javax.swing.JButton();

jButton8 = new javax.swing.JButton();

jLabel15 = new javax.swing.JLabel();

jPanel7 = new javax.swing.JPanel();

jPanel9 = new javax.swing.JPanel();

jScrollPane3 = new javax.swing.JScrollPane();

atzimess = new javax.swing.JList<>();

jButton5 = new javax.swing.JButton();

jScrollPane4 = new javax.swing.JScrollPane();

jList1 = new javax.swing.JList<>();

jLabel27 = new javax.swing.JLabel();

jLabel28 = new javax.swing.JLabel();

kl = new javax.swing.JDialog();

jPanel10 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jButton6 = new javax.swing.JButton();

jButton11 = new javax.swing.JButton();

test = new javax.swing.JDialog();

jPanel13 = new javax.swing.JPanel();

jLabel18 = new javax.swing.JLabel();

jautajums2 = new javax.swing.JLabel();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jRadioButton3 = new javax.swing.JRadioButton();

jautajums1 = new javax.swing.JLabel();

jRadioButton4 = new javax.swing.JRadioButton();

jRadioButton5 = new javax.swing.JRadioButton();

jRadioButton6 = new javax.swing.JRadioButton();

jautajums5 = new javax.swing.JLabel();

jRadioButton7 = new javax.swing.JRadioButton();

jRadioButton8 = new javax.swing.JRadioButton();

jRadioButton9 = new javax.swing.JRadioButton();

jautajums3 = new javax.swing.JLabel();

jRadioButton10 = new javax.swing.JRadioButton();

jRadioButton11 = new javax.swing.JRadioButton();

jRadioButton12 = new javax.swing.JRadioButton();

jautajums4 = new javax.swing.JLabel();

jRadioButton13 = new javax.swing.JRadioButton();

jRadioButton14 = new javax.swing.JRadioButton();

jRadioButton15 = new javax.swing.JRadioButton();

jButton9 = new javax.swing.JButton();

buttonGroup2 = new javax.swing.ButtonGroup();

buttonGroup3 = new javax.swing.ButtonGroup();

buttonGroup4 = new javax.swing.ButtonGroup();

buttonGroup5 = new javax.swing.ButtonGroup();

buttonGroup6 = new javax.swing.ButtonGroup();

buttonGroup7 = new javax.swing.ButtonGroup();

faq = new javax.swing.JDialog();

jPanel15 = new javax.swing.JPanel();

jLabel19 = new javax.swing.JLabel();

textArea1 = new java.awt.TextArea();

rez = new javax.swing.JDialog();

jPanel16 = new javax.swing.JPanel();

jLabel21 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

jLabel23 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

jButton12 = new javax.swing.JButton();

jButton13 = new javax.swing.JButton();

buttonGroup8 = new javax.swing.ButtonGroup();

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

log = new javax.swing.JTextField();

par = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jLabel7 = new javax.swing.JLabel();

reg.setTitle("Reģistrēšanas logs");

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel4.setBackground(new java.awt.Color(255, 255, 255));

jLabel4.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("Reģistrēšanas logs");

jLabel5.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel5.setText("Paroles apstiprināšana");

jLabel6.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel6.setText("Lietotājvārds");

jLabel8.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel8.setText("Parole");

logn.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

logn.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

parn.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

parn.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jTextField1.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jTextField1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jButton2.setFont(new java.awt.Font("SansSerif", 0, 18)); // NOI18N

jButton2.setText("Pabeigt reģistrēšanu");

jButton2.setBorder(null);

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

buttonGroup1.add(liet);

liet.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

liet.setText("Lietotajs");

buttonGroup1.add(admin);

admin.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

admin.setText("Admins");

jLabel9.setFont(new java.awt.Font("SansSerif", 1, 14)); // NOI18N

jLabel9.setText("Izvele lietotaja tipu");

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)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6)

.addComponent(jLabel8)

.addComponent(jLabel5))

.addGap(27, 27, 27)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 144, Short.MAX\_VALUE)

.addComponent(logn)

.addComponent(parn)))

.addComponent(liet)

.addComponent(admin)

.addComponent(jLabel9))

.addGap(0, 58, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel4)

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(logn, 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(jLabel8)

.addComponent(parn, 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(jLabel5)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(jLabel9)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(liet)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(admin)

.addGap(18, 18, 18)

.addComponent(jButton2)

.addContainerGap())

);

javax.swing.GroupLayout regLayout = new javax.swing.GroupLayout(reg.getContentPane());

reg.getContentPane().setLayout(regLayout);

regLayout.setHorizontalGroup(

regLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(regLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

regLayout.setVerticalGroup(

regLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(regLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.setBackground(new java.awt.Color(255, 255, 255));

jPanel5.setBackground(new java.awt.Color(255, 255, 255));

jPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null}

},

new String [] {

"username", "testnosaukums", "atzime"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

jPanel14.setBackground(new java.awt.Color(255, 255, 255));

jPanel14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jButton3.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton3.setText("Izvadīt tabulu");

jButton3.setBorder(null);

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel14Layout = new javax.swing.GroupLayout(jPanel14);

jPanel14.setLayout(jPanel14Layout);

jPanel14Layout.setHorizontalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel14Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, 306, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel14Layout.setVerticalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, 39, Short.MAX\_VALUE)

);

jButton10.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton10.setText("Nodzest lietotaju");

jButton10.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jButton10.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton10ActionPerformed(evt);

}

});

log3.setText("Lietotavards");

par3.setText("Parole");

buttonGroup8.add(liet2);

liet2.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

liet2.setText("Lietotajs");

buttonGroup8.add(admin2);

admin2.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

admin2.setText("Admins");

jButton14.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton14.setText("Pievienot Lietotaju");

jButton14.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jButton14.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton14ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel5Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 366, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel14, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(log3)

.addComponent(par3)

.addComponent(jButton14, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(admin2, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(liet2))

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 750, Short.MAX\_VALUE)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jPanel14, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton10, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(log3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(par3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(liet2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(admin2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton14, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel5, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGap(23, 23, 23))

);

jTabbedPane1.addTab("Lietotaju sarakst", jPanel3);

jPanel11.setBackground(new java.awt.Color(255, 255, 255));

jPanel11.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel12.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel12.setText("Jautajums №1 : ");

tn.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

tnActionPerformed(evt);

}

});

jLabel13.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel13.setText("Testa Nosaukums : ");

jLabel14.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel14.setText("Jautajums №3 : ");

jLabel16.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel16.setText("Jautajums №4 : ");

jLabel17.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel17.setText("Jautajums №5 : ");

patb2.setText("Atbildes Pareizs variants ");

atbilde5.setText("Atbildes otrais variants");

atbilde6.setText("Atbildes tresais variants");

jButton7.setText("Saglabat");

jButton7.setHorizontalTextPosition(javax.swing.SwingConstants.LEADING);

jButton7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton7ActionPerformed(evt);

}

});

patb1.setText("Atbildes Pareizs variants ");

patb1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

patb1ActionPerformed(evt);

}

});

atbilde1.setText("Atbildes pirmais variants ");

atbilde2.setText("Atbildes otrais variants ");

atbilde3.setText("Atbildes tresais variants ");

jLabel29.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

atbilde4.setText("Atbildes pirmais variants");

jLabel24.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel24.setText("Jautajums №2 : ");

patb3.setText("Atbildes Pareizs variants ");

atbilde7.setText("Atbildes pirmais variants");

atbilde7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

atbilde7ActionPerformed(evt);

}

});

atbilde8.setText("Atbildes otrais variants");

atbilde8.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

atbilde8ActionPerformed(evt);

}

});

atbilde9.setText("Atbildes tresais variants");

patb4.setText("Atbildes Pareizs variants ");

atbilde10.setText("Atbildes pirmais variants");

atbilde11.setText("Atbildes otrais variants");

atbilde12.setText("Atbildes tresais variants");

patb5.setText("Atbildes Pareizs variants ");

atbilde13.setText("Atbildes pirmais variants");

atbilde13.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

atbilde13ActionPerformed(evt);

}

});

atbilde14.setText("Atbildes otrais variants");

atbilde15.setText("Atbildes tresais variants");

javax.swing.GroupLayout jPanel11Layout = new javax.swing.GroupLayout(jPanel11);

jPanel11.setLayout(jPanel11Layout);

jPanel11Layout.setHorizontalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel11Layout.createSequentialGroup()

.addComponent(jLabel17)

.addGap(18, 18, 18)

.addComponent(jaut5, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel11Layout.createSequentialGroup()

.addComponent(jLabel16)

.addGap(18, 18, 18)

.addComponent(jaut4))

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(atbilde6)

.addComponent(atbilde5)

.addComponent(atbilde4)

.addComponent(patb2)

.addComponent(atbilde3)

.addComponent(atbilde2)

.addComponent(patb1)

.addComponent(atbilde1)

.addGroup(jPanel11Layout.createSequentialGroup()

.addComponent(jLabel14)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel29))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel11Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jaut3, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel11Layout.createSequentialGroup()

.addComponent(jLabel13)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(tn, javax.swing.GroupLayout.PREFERRED\_SIZE, 113, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel11Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel24)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jaut2))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel11Layout.createSequentialGroup()

.addComponent(jLabel12)

.addGap(18, 18, 18)

.addComponent(jaut1, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(atbilde9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(atbilde8, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(atbilde7, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(patb3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 158, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(atbilde11, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(atbilde10, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(patb4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 158, Short.MAX\_VALUE)))))

.addComponent(atbilde12, javax.swing.GroupLayout.PREFERRED\_SIZE, 158, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(patb5, javax.swing.GroupLayout.PREFERRED\_SIZE, 159, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(atbilde13, javax.swing.GroupLayout.PREFERRED\_SIZE, 159, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(atbilde14, javax.swing.GroupLayout.PREFERRED\_SIZE, 159, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(atbilde15, javax.swing.GroupLayout.PREFERRED\_SIZE, 159, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 352, Short.MAX\_VALUE)

.addComponent(jButton7))

);

jPanel11Layout.setVerticalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel11Layout.createSequentialGroup()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel11Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(tn, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(6, 6, 6)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addGap(2, 2, 2)

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 17, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jaut1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(patb1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(3, 3, 3)

.addComponent(atbilde2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(12, 12, 12)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jaut2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel24))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(patb2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(atbilde5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde6, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel14, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jaut3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(patb3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde7, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde8, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde9, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel16)

.addComponent(jaut4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(patb4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde10, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde11, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde12, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel17)

.addComponent(jaut5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(patb5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde13, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(atbilde14, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(7, 7, 7)

.addComponent(atbilde15, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel29)))

.addGap(236, 236, 236))

);

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 769, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.addTab("Testu rediģēšana", jPanel4);

javax.swing.GroupLayout AdminLayout = new javax.swing.GroupLayout(Admin.getContentPane());

Admin.getContentPane().setLayout(AdminLayout);

AdminLayout.setHorizontalGroup(

AdminLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jTabbedPane1)

);

AdminLayout.setVerticalGroup(

AdminLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jTabbedPane1)

);

jTabbedPane2.setBackground(new java.awt.Color(255, 255, 255));

jTabbedPane2.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jPanel8.setBackground(new java.awt.Color(255, 255, 255));

jPanel8.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jPanel8.setFocusable(false);

testuname.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jScrollPane2.setViewportView(testuname);

jButton4.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton4.setText("Paradit testa sarakstu");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jButton8.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton8.setText("Pildīt testu");

jButton8.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton8ActionPerformed(evt);

}

});

jLabel15.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel15.setText("FAQ");

javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);

jPanel8.setLayout(jPanel8Layout);

jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18))

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jLabel15)

.addGap(47, 47, 47)))

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 188, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel8Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jButton8)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton4)

.addGap(18, 162, Short.MAX\_VALUE)

.addComponent(jLabel15))

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 239, Short.MAX\_VALUE))

.addContainerGap())

);

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane2.addTab("Testu saraksts", jPanel6);

jPanel9.setBackground(new java.awt.Color(255, 255, 255));

jPanel9.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

atzimess.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jScrollPane3.setViewportView(atzimess);

jButton5.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton5.setText("Paradīt atzimes");

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jScrollPane4.setViewportView(jList1);

jLabel27.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel27.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel27.setText("Testu nosaukumi ");

jLabel28.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel28.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel28.setText("Atzimes");

javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);

jPanel9.setLayout(jPanel9Layout);

jPanel9Layout.setHorizontalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel9Layout.createSequentialGroup()

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel27, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 271, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(jLabel28, javax.swing.GroupLayout.DEFAULT\_SIZE, 97, Short.MAX\_VALUE))))

.addContainerGap())

);

jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton5)

.addGap(8, 8, 8)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel27)

.addComponent(jLabel28))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane3)

.addComponent(jScrollPane4, javax.swing.GroupLayout.DEFAULT\_SIZE, 180, Short.MAX\_VALUE))

.addContainerGap())

);

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

jPanel7.setLayout(jPanel7Layout);

jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane2.addTab("Atzimes", jPanel7);

javax.swing.GroupLayout liet1Layout = new javax.swing.GroupLayout(liet1.getContentPane());

liet1.getContentPane().setLayout(liet1Layout);

liet1Layout.setHorizontalGroup(

liet1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jTabbedPane2)

);

liet1Layout.setVerticalGroup(

liet1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jTabbedPane2)

);

jPanel10.setBackground(new java.awt.Color(255, 255, 255));

jPanel10.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel10.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("Kļūda!");

jLabel11.setFont(new java.awt.Font("SansSerif", 0, 18)); // NOI18N

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setText("Jūms nav konta mūsu sistēmā");

jButton6.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton6.setText("Reģistrēties");

jButton6.setBorder(null);

jButton6.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton6ActionPerformed(evt);

}

});

jButton11.setText("Man ir konts");

jButton11.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton11ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);

jPanel10.setLayout(jPanel10Layout);

jPanel10Layout.setHorizontalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, 374, Short.MAX\_VALUE))

.addContainerGap())

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel10Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, 100, Short.MAX\_VALUE)

.addComponent(jButton11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(138, 138, 138))

);

jPanel10Layout.setVerticalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel10)

.addGap(18, 18, 18)

.addComponent(jLabel11)

.addGap(46, 46, 46)

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 46, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton11)

.addContainerGap(85, Short.MAX\_VALUE))

);

javax.swing.GroupLayout klLayout = new javax.swing.GroupLayout(kl.getContentPane());

kl.getContentPane().setLayout(klLayout);

klLayout.setHorizontalGroup(

klLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(klLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

klLayout.setVerticalGroup(

klLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(klLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel13.setBackground(new java.awt.Color(255, 255, 255));

jPanel13.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel18.setFont(new java.awt.Font("SansSerif", 0, 18)); // NOI18N

jLabel18.setText("Testa nosaukums");

jautajums2.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jautajums2.setText("2. Jautajums");

buttonGroup2.add(jRadioButton1);

jRadioButton1.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

jRadioButton1.setText("1.Atbilde");

buttonGroup2.add(jRadioButton2);

jRadioButton2.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

jRadioButton2.setText("2.Atbilde");

buttonGroup2.add(jRadioButton3);

jRadioButton3.setFont(new java.awt.Font("SansSerif", 0, 12)); // NOI18N

jRadioButton3.setText("3.Atbilde");

jautajums1.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jautajums1.setText("1. Jautajums");

buttonGroup3.add(jRadioButton4);

jRadioButton4.setText("1.Atbilde");

buttonGroup3.add(jRadioButton5);

jRadioButton5.setText("2.Atbilde");

buttonGroup3.add(jRadioButton6);

jRadioButton6.setText("3.Atbilde");

jautajums5.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jautajums5.setText("5. Jautajums");

buttonGroup4.add(jRadioButton7);

jRadioButton7.setText("1.Atbilde");

buttonGroup4.add(jRadioButton8);

jRadioButton8.setText("2.Atbilde");

buttonGroup4.add(jRadioButton9);

jRadioButton9.setText("3.Atbilde");

jautajums3.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jautajums3.setText("3. Jautajums");

buttonGroup5.add(jRadioButton10);

jRadioButton10.setText("1.Atbilde");

buttonGroup5.add(jRadioButton11);

jRadioButton11.setText("2.Atbilde");

buttonGroup5.add(jRadioButton12);

jRadioButton12.setText("3.Atbilde");

jautajums4.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jautajums4.setText("4. Jautajums");

buttonGroup6.add(jRadioButton13);

jRadioButton13.setText("1.Atbidle");

buttonGroup6.add(jRadioButton14);

jRadioButton14.setText("2.Atbilde");

buttonGroup6.add(jRadioButton15);

jRadioButton15.setText("3.Atbilde");

jButton9.setText("sniegt atbildes");

jButton9.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton9ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel13Layout = new javax.swing.GroupLayout(jPanel13);

jPanel13.setLayout(jPanel13Layout);

jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel13Layout.createSequentialGroup()

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jRadioButton14)

.addComponent(jRadioButton15)

.addComponent(jLabel18)

.addComponent(jautajums2)

.addComponent(jRadioButton1)

.addComponent(jautajums1)

.addComponent(jRadioButton4)

.addComponent(jRadioButton5)

.addComponent(jRadioButton6)

.addComponent(jRadioButton2)

.addComponent(jRadioButton3)

.addComponent(jautajums5)

.addComponent(jRadioButton7)

.addComponent(jRadioButton8)

.addComponent(jRadioButton9)

.addComponent(jautajums3)

.addComponent(jRadioButton12)

.addComponent(jautajums4)

.addComponent(jRadioButton13)

.addComponent(jRadioButton10)

.addComponent(jRadioButton11))

.addGap(0, 184, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel18)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jautajums1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton3)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jautajums2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton5)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jautajums3)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton7)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton8)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton9)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jautajums4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton10)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton11)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton12)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jautajums5)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton13)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton14)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton15)

.addGap(18, 18, 18)

.addComponent(jButton9)

.addContainerGap(17, Short.MAX\_VALUE))

);

javax.swing.GroupLayout testLayout = new javax.swing.GroupLayout(test.getContentPane());

test.getContentPane().setLayout(testLayout);

testLayout.setHorizontalGroup(

testLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(testLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

testLayout.setVerticalGroup(

testLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(testLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel15.setBackground(new java.awt.Color(255, 255, 255));

jPanel15.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel19.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel19.setText("FAQ");

textArea1.setName(""); // NOI18N

textArea1.setText("Vispārīgi jautājumi 1. Kāda ir mūsu viktorīnas programma? Mūsu viktorīnu programma ir interaktīva platforma dažādu testu un viktorīnu veikšanai. Tā ļauj lietotājiem veikt viktorīnas par dažādām tēmām un saņemt tūlītēju atgriezenisko saiti. 2. Kā reģistrēties programmā? Lai reģistrētos programmā: Iet uz galveno lapu. Noklikšķiniet uz pogas \"Izveidot kontu\". Aizpildiet vajadzīgos laukus (vārds, parole). 3. Kā ieiet programmā? Lai ieietu: Iet uz sākumlapu. Noklikšķiniet uz pogas \"Pabeigt autorizaciju\". Ievadiet savu e-pasta adresi un paroli. Nospiediet \"Pabeigt autorizaciju\". 4. Kā sākt testu? Lai sāktu testu: Ielogojieties savā kontā. Lejupielādējiet testus, noklikšķinot uz pogas \"Paradit testa sarakstu\". Izvēlieties testu no pieejamo testu saraksta. Noklikšķiniet uz pogas \"Pildīt testu\". 5. Vai es varu apturēt testu un turpināt vēlāk? Jā, jūs varat apturēt testu un turpināt to vēlāk. Jūsu atbildes tiks saglabātas līdz brīdim, kad atsāksiet testu. ");

javax.swing.GroupLayout jPanel15Layout = new javax.swing.GroupLayout(jPanel15);

jPanel15.setLayout(jPanel15Layout);

jPanel15Layout.setHorizontalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel15Layout.createSequentialGroup()

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(textArea1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel15Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 691, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel15Layout.setVerticalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel15Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel19)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(textArea1, javax.swing.GroupLayout.DEFAULT\_SIZE, 236, Short.MAX\_VALUE)

.addContainerGap())

);

javax.swing.GroupLayout faqLayout = new javax.swing.GroupLayout(faq.getContentPane());

faq.getContentPane().setLayout(faqLayout);

faqLayout.setHorizontalGroup(

faqLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(faqLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel15, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

faqLayout.setVerticalGroup(

faqLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(faqLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel15, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel16.setBackground(new java.awt.Color(255, 255, 255));

jPanel16.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel21.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N

jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel21.setText("Rezultati");

jLabel22.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel22.setText("Rezultati punktos");

jLabel23.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel23.setText("Rezultati balles");

jLabel25.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel25.setText("Rezultati procentos");

jButton12.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton12.setText("Izlasiju!");

jButton12.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton12ActionPerformed(evt);

}

});

jButton13.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jButton13.setText("Uzzināt rezultatus");

jButton13.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton13ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel16Layout = new javax.swing.GroupLayout(jPanel16);

jPanel16.setLayout(jPanel16Layout);

jPanel16Layout.setHorizontalGroup(

jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel21, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel16Layout.createSequentialGroup()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel22)

.addComponent(jLabel23)

.addComponent(jLabel25))

.addGap(0, 253, Short.MAX\_VALUE))))

.addGroup(jPanel16Layout.createSequentialGroup()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addGap(138, 138, 138)

.addComponent(jButton12, javax.swing.GroupLayout.PREFERRED\_SIZE, 105, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel16Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton13)))

.addGap(0, 137, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel16Layout.setVerticalGroup(

jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel21)

.addGap(18, 18, 18)

.addComponent(jLabel22)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel23)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel25)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton13)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 105, Short.MAX\_VALUE)

.addComponent(jButton12)

.addContainerGap())

);

javax.swing.GroupLayout rezLayout = new javax.swing.GroupLayout(rez.getContentPane());

rez.getContentPane().setLayout(rezLayout);

rezLayout.setHorizontalGroup(

rezLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(rezLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

rezLayout.setVerticalGroup(

rezLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(rezLayout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Autorizaciajs Logs");

jPanel1.setBackground(new java.awt.Color(255, 255, 255));

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jLabel1.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Autorizaciajs Logs");

jLabel2.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel2.setText("Lietotājvārds");

jLabel3.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel3.setText("Parole");

log.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

log.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

par.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

par.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(255, 102, 102)));

jButton1.setFont(new java.awt.Font("SansSerif", 0, 18)); // NOI18N

jButton1.setText("Pabeigt autorizaciju");

jButton1.setToolTipText("");

jButton1.setBorder(null);

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel7.setFont(new java.awt.Font("SansSerif", 0, 14)); // NOI18N

jLabel7.setText("Izveidot kontu");

jLabel7.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jLabel7MouseClicked(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel7)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel3))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(log)

.addComponent(par)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 168, Short.MAX\_VALUE))

.addGap(113, 113, 113))))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(19, 19, 19)

.addComponent(jLabel1)

.addGap(50, 50, 50)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

.addComponent(log, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(par, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(47, 47, 47)

.addComponent(jButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 29, Short.MAX\_VALUE)

.addComponent(jLabel7)

.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()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

//Lietotajs++

String log1 = log.getText();

String par1 = par.getText();

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "SELECT \* FROM users WHERE username=? AND password=?";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, log1);

PS.setString(2, par1);

RS = PS.executeQuery();

if (RS.next()) {

vards = log1;

System.out.println("+R");

String userType = RS.getString("UserType");

if ("admins".equals(userType)) {

Admin.setVisible(true);

Admin.pack();

Admin.setLocationRelativeTo(null);

} else {

liet1.setVisible(true);

liet1.pack();

liet1.setLocationRelativeTo(null);

}

} else {

System.out.println("-R");

kl.setVisible(true);

kl.pack();

kl.setLocationRelativeTo(null);

}

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

private void jLabel7MouseClicked(java.awt.event.MouseEvent evt) {

reg.setVisible(true);

reg.pack();

reg.setLocationRelativeTo(null);

this.dispose();

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

//lietotajs++

String log2 = logn.getText();

String par2 = parn.getText();

String usertype = "";

if (liet.isSelected()) {

usertype = "lietotajs";

} else if (admin.isSelected()) {

usertype = "admins";

} else {

//

}

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "INSERT INTO users VALUES (?, ?, ?)";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, log2);

PS.setString(2, par2);

PS.setString(3, usertype);

PS.executeUpdate();

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

//LIETOTAJS+

DefaultListModel<String> listModel = new DefaultListModel<>();

Connection connection = null;

PreparedStatement pst = null;

ResultSet rs = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT DISTINCT testname FROM test";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

listModel.clear();

while (rs.next()) {

String testname = rs.getString("testname");

listModel.addElement(testname);

}

testuname.setModel(listModel);

} catch (SQLException e) {

e.printStackTrace();

}

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

//Lietotajs+

DefaultListModel listModel = new DefaultListModel();

Connection connection = null;

PreparedStatement pst = null;

ResultSet rs = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT atzime FROM atzime";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

listModel.clear();

while (rs.next()) {

String testname = rs.getString("atzime");

listModel.addElement(testname);

}

atzimess.setModel(listModel);

} catch (SQLException e) {

e.printStackTrace();

}

DefaultListModel listModel1 = new DefaultListModel();

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT testname FROM atzime";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

listModel1.clear();

while (rs.next()) {

String testname = rs.getString("testname");

listModel1.addElement(testname);

}

jList1.setModel(listModel1);

} catch (SQLException e) {

e.printStackTrace();

}

}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

reg.setVisible(true);

reg.pack();

reg.setLocationRelativeTo(null);

this.dispose();

}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {

//LIETotajs+

test.setVisible(true);

test.pack();

test.setLocationRelativeTo(null);

this.dispose();

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

String testname = testuname.getSelectedValue();

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "SELECT \* FROM test WHERE testname = ?";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, testname);

jLabel18.setText(testname);

RS = PS.executeQuery();

int questionCount = 0;

while (RS.next()) {

switch (questionCount) {

case 0:

jautajums1.setText(RS.getString("testquestion"));

jRadioButton1.setText(RS.getString("firstansw"));

jRadioButton2.setText(RS.getString("secondansw"));

jRadioButton3.setText(RS.getString("thirdansw"));

jRadioButton1.setActionCommand(RS.getString("firstansw"));

jRadioButton2.setActionCommand(RS.getString("secondansw"));

jRadioButton3.setActionCommand(RS.getString("thirdansw"));

break;

case 1:

jautajums2.setText(RS.getString("testquestion"));

jRadioButton4.setText(RS.getString("firstansw"));

jRadioButton5.setText(RS.getString("secondansw"));

jRadioButton6.setText(RS.getString("thirdansw"));

jRadioButton4.setActionCommand(RS.getString("firstansw"));

jRadioButton5.setActionCommand(RS.getString("secondansw"));

jRadioButton6.setActionCommand(RS.getString("thirdansw"));

break;

case 2:

jautajums3.setText(RS.getString("testquestion"));

jRadioButton7.setText(RS.getString("firstansw"));

jRadioButton8.setText(RS.getString("secondansw"));

jRadioButton9.setText(RS.getString("thirdansw"));

jRadioButton7.setActionCommand(RS.getString("firstansw"));

jRadioButton8.setActionCommand(RS.getString("secondansw"));

jRadioButton9.setActionCommand(RS.getString("thirdansw"));

break;

case 3:

jautajums4.setText(RS.getString("testquestion"));

jRadioButton10.setText(RS.getString("firstansw"));

jRadioButton11.setText(RS.getString("secondansw"));

jRadioButton12.setText(RS.getString("thirdansw"));

jRadioButton10.setActionCommand(RS.getString("firstansw"));

jRadioButton11.setActionCommand(RS.getString("secondansw"));

jRadioButton12.setActionCommand(RS.getString("thirdansw"));

break;

case 4:

jautajums5.setText(RS.getString("testquestion"));

jRadioButton13.setText(RS.getString("firstansw"));

jRadioButton14.setText(RS.getString("secondansw"));

jRadioButton15.setText(RS.getString("thirdansw"));

jRadioButton13.setActionCommand(RS.getString("firstansw"));

jRadioButton14.setActionCommand(RS.getString("secondansw"));

jRadioButton15.setActionCommand(RS.getString("thirdansw"));

break;

default:

break;

}

questionCount++;

}

} catch (Exception e) {

e.printStackTrace();

}

}

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {

rez.setVisible(true);

rez.pack();

rez.setLocationRelativeTo(null);

this.dispose();

}

private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {

liet1.setVisible(true);

liet1.pack();

liet1.setLocationRelativeTo(null);

this.dispose();

}

private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {

//lietotajs

ButtonGroup[] ag = {buttonGroup2, buttonGroup3, buttonGroup4, buttonGroup5, buttonGroup6};

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

String testname = testuname.getSelectedValue();

int p = 0;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT corrcetansw FROM test WHERE TestName=?";

PS = connection.prepareStatement(sql);

PS.setString(1, testname);

RS = PS.executeQuery();

int iteration = 0;

while (RS.next() && iteration < 5) {

String correctAnswer = RS.getString("corrcetansw");

ButtonModel selectedAnswer = ag[iteration].getSelection();

if (selectedAnswer != null) {

if (selectedAnswer.getActionCommand().equals(correctAnswer)) {

p++;

}

}

iteration++;

}

} catch (SQLException ex) {

ex.printStackTrace();

}

jLabel22.setText("Punktu skaits : " + p);

jLabel23.setText("Atzime : " + p \* 2);

jLabel25.setText("Procenti : " + p \* 20 + "%");

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "INSERT INTO atzime VALUES (?, ?, ?)";

PS = connection.prepareStatement(sql);

PS.setString(1, vards);

PS.setString(2, testname);

PS.setString(3, Integer.toString(p \* 2));

PS.executeUpdate();

} catch (SQLException ex) {

ex.printStackTrace();

}

}

private void atbilde13ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void atbilde8ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void atbilde7ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void patb1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

//ADMIN++

String tn1 = tn.getText();

String jauta1 = jaut1.getText();

String patbl1 = patb1.getText();

String Atbilde1 = atbilde1.getText();

String Atbilde2 = atbilde2.getText();

String Atbilde3 = atbilde3.getText();

String jauta2 = jaut2.getText();

String patbl2 = patb2.getText();

String Atbilde4 = atbilde4.getText();

String Atbilde5 = atbilde5.getText();

String Atbilde6 = atbilde6.getText();

String jauta3 = jaut3.getText();

String patbl3 = patb3.getText();

String Atbilde7 = atbilde7.getText();

String Atbilde8 = atbilde7.getText();

String Atbilde9 = atbilde9.getText();

String jauta4 = jaut4.getText();

String patbl4 = patb4.getText();

String Atbilde10 = atbilde10.getText();

String Atbilde11 = atbilde11.getText();

String Atbilde12 = atbilde12.getText();

String jauta5 = jaut5.getText();

String patbl5 = patb5.getText();

String Atbilde13 = atbilde13.getText();

String Atbilde14 = atbilde14.getText();

String Atbilde15 = atbilde15.getText();

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "INSERT INTO test VALUES (?, ?, ?, ?, ?, ?)";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, tn1);

PS.setString(2, jauta1);

PS.setString(3, patbl1);

PS.setString(4, Atbilde1);

PS.setString(5, Atbilde2);

PS.setString(6, Atbilde3);

PS.executeUpdate();

PS.setString(1, tn1);

PS.setString(2, jauta2);

PS.setString(3, patbl1);

PS.setString(4, Atbilde4);

PS.setString(5, Atbilde5);

PS.setString(6, Atbilde6);

PS.executeUpdate();

PS.setString(1, tn1);

PS.setString(2, jauta3);

PS.setString(3, patbl1);

PS.setString(4, Atbilde7);

PS.setString(5, Atbilde8);

PS.setString(6, Atbilde9);

PS.executeUpdate();

PS.setString(1, tn1);

PS.setString(2, jauta4);

PS.setString(3, patbl4);

PS.setString(4, Atbilde10);

PS.setString(5, Atbilde11);

PS.setString(6, Atbilde12);

PS.executeUpdate();

PS.setString(1, tn1);

PS.setString(2, jauta5);

PS.setString(3, patbl5);

PS.setString(4, Atbilde13);

PS.setString(5, Atbilde14);

PS.setString(6, Atbilde15);

PS.executeUpdate();

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

private void tnActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

//ADMIN++

Connection connection = null;

PreparedStatement pst = null;

ResultSet rs = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT username, testname, atzime FROM atzime";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

DefaultTableModel model = (DefaultTableModel) jTable1.getModel();

model.setRowCount(0);

while (rs.next()) {

String username = rs.getString("username");

String testname = rs.getString("testname");

String mark = rs.getString("atzime");

model.addRow(new Object[]{username, testname, mark});

}

jTable1.setModel(model);

} catch (SQLException e) {

e.printStackTrace();

}

}

private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {

//ADMIN++

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

String testname = testuname.getSelectedValue();

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "DELETE \* FROM atzime WHERE username = ?";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, testname);

jLabel18.setText(testname);

RS = PS.executeQuery();

} catch (SQLException e) {

e.printStackTrace();

}

}

private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {

kl.dispose();

}

private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {

//admin

String logm = log3.getText();

String parm = par3.getText();

String usertype = "";

if (liet2.isSelected()) {

usertype = "lietotajs";

} else if (admin2.isSelected()) {

usertype = "admins";

} else {

}

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

Class.forName("com.mysql.jdbc.Driver");

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "INSERT INTO users VALUES (?, ?, ?)";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, logm);

PS.setString(2, parm);

PS.setString(3, usertype);

PS.executeUpdate();

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

/\*\*

\* @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(Main.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Main.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 Main().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JDialog Admin;

private javax.swing.JRadioButton admin;

private javax.swing.JRadioButton admin2;

private javax.swing.JTextField atbilde1;

private javax.swing.JTextField atbilde10;

private javax.swing.JTextField atbilde11;

private javax.swing.JTextField atbilde12;

private javax.swing.JTextField atbilde13;

private javax.swing.JTextField atbilde14;

private javax.swing.JTextField atbilde15;

private javax.swing.JTextField atbilde2;

private javax.swing.JTextField atbilde3;

private javax.swing.JTextField atbilde4;

private javax.swing.JTextField atbilde5;

private javax.swing.JTextField atbilde6;

private javax.swing.JTextField atbilde7;

private javax.swing.JTextField atbilde8;

private javax.swing.JTextField atbilde9;

private javax.swing.JList<String> atzimess;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.ButtonGroup buttonGroup2;

private javax.swing.ButtonGroup buttonGroup3;

private javax.swing.ButtonGroup buttonGroup4;

private javax.swing.ButtonGroup buttonGroup5;

private javax.swing.ButtonGroup buttonGroup6;

private javax.swing.ButtonGroup buttonGroup7;

private javax.swing.ButtonGroup buttonGroup8;

private javax.swing.JDialog faq;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton10;

private javax.swing.JButton jButton11;

private javax.swing.JButton jButton12;

private javax.swing.JButton jButton13;

private javax.swing.JButton jButton14;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JButton jButton7;

private javax.swing.JButton jButton8;

private javax.swing.JButton jButton9;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

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 jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;

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.JList<String> jList1;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel10;

private javax.swing.JPanel jPanel11;

private javax.swing.JPanel jPanel13;

private javax.swing.JPanel jPanel14;

private javax.swing.JPanel jPanel15;

private javax.swing.JPanel jPanel16;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

private javax.swing.JPanel jPanel7;

private javax.swing.JPanel jPanel8;

private javax.swing.JPanel jPanel9;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton10;

private javax.swing.JRadioButton jRadioButton11;

private javax.swing.JRadioButton jRadioButton12;

private javax.swing.JRadioButton jRadioButton13;

private javax.swing.JRadioButton jRadioButton14;

private javax.swing.JRadioButton jRadioButton15;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JRadioButton jRadioButton3;

private javax.swing.JRadioButton jRadioButton4;

private javax.swing.JRadioButton jRadioButton5;

private javax.swing.JRadioButton jRadioButton6;

private javax.swing.JRadioButton jRadioButton7;

private javax.swing.JRadioButton jRadioButton8;

private javax.swing.JRadioButton jRadioButton9;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JTabbedPane jTabbedPane1;

private javax.swing.JTabbedPane jTabbedPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jaut1;

private javax.swing.JTextField jaut2;

private javax.swing.JTextField jaut3;

private javax.swing.JTextField jaut4;

private javax.swing.JTextField jaut5;

private javax.swing.JLabel jautajums1;

private javax.swing.JLabel jautajums2;

private javax.swing.JLabel jautajums3;

private javax.swing.JLabel jautajums4;

private javax.swing.JLabel jautajums5;

private javax.swing.JDialog kl;

private javax.swing.JRadioButton liet;

private javax.swing.JDialog liet1;

private javax.swing.JRadioButton liet2;

private javax.swing.JTextField log;

private javax.swing.JTextField log3;

private javax.swing.JTextField logn;

private javax.swing.JTextField par;

private javax.swing.JTextField par3;

private javax.swing.JTextField parn;

private javax.swing.JTextField patb1;

private javax.swing.JTextField patb2;

private javax.swing.JTextField patb3;

private javax.swing.JTextField patb4;

private javax.swing.JTextField patb5;

private javax.swing.JDialog reg;

private javax.swing.JDialog rez;

private javax.swing.JDialog test;

private javax.swing.JList<String> testuname;

private java.awt.TextArea textArea1;

private javax.swing.JTextField tn;

// End of variables declaration

}

# Pielikums B. testa programmas kods

import javax.swing.JLabel;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.JTable;

import javax.swing.table.DefaultTableModel;

public class admin {

private Connection connection;

private PreparedStatement preparedStatement;

private ResultSet resultSet;

private JLabel jLabel18;

private String testname;

private JTable jTable1;

public admin(JLabel jLabel18, String testname) {

this.jLabel18 = jLabel18;

this.testname = testname;

this.jTable1 = jTable1;

}

public void deleteUser() {

ResultSet RS = null;

PreparedStatement PS = null;

Connection connection = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sqlcode = "DELETE \* FROM atzime WHERE username = ?";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, testname);

jLabel18.setText(testname);

RS = PS.executeQuery();

} catch (SQLException e) {

e.printStackTrace();

}

}

public void jButton3ActionPerformed() {

PreparedStatement pst = null;

ResultSet rs = null;

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

String sql = "SELECT username, testname, atzime FROM atzime";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

DefaultTableModel model = (DefaultTableModel) jTable1.getModel();

model.setRowCount(0);

while (rs.next()) {

String username = rs.getString("username");

String testname = rs.getString("testname");

String mark = rs.getString("atzime");

model.addRow(new Object[]{username, testname, mark});

}

jTable1.setModel(model);

} catch (SQLException e) {

e.printStackTrace();

}

}

public void addTest(

String tn1,

String[] jauta,

String[] patbl,

String[][] Atbildes) {

PreparedStatement pst = null;

try {

String sqlcode = "INSERT INTO test VALUES (?, ?, ?, ?, ?, ?)";

pst = connection.prepareStatement(sqlcode);

for (int i = 0; i < jauta.length; i++) {

pst.setString(1, tn1);

pst.setString(2, jauta[i]);

pst.setString(3, patbl[i]);

pst.setString(4, Atbildes[i][0]);

pst.setString(5, Atbildes[i][1]);

pst.setString(6, Atbildes[i][2]);

pst.executeUpdate();

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

import javax.swing.JLabel;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.swing.ButtonGroup;

import javax.swing.ButtonModel;

import javax.swing.DefaultListModel;

import javax.swing.JList;

import javax.swing.JTable;

import javax.swing.table.DefaultTableModel;

public class users {

private String vards;

private Connection connection;

private JList atzimess;

public users() {

try {

connection = DriverManager.getConnection("jdbc:derby://localhost:1527/quizDB1", "root1", "1234");

} catch (SQLException e) {

e.printStackTrace();

}

}

public void login(String log1, String par1) {

PreparedStatement PS = null;

ResultSet RS = null;

try {

String sqlcode = "SELECT \* FROM users WHERE username=? AND password=?";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, log1);

PS.setString(2, par1);

RS = PS.executeQuery();

if (RS.next()) {

String userType = RS.getString("UserType");

if ("admins".equals(userType)) {

System.out.println("+R - Admin");

} else {

System.out.println("+R - User");

}

} else {

System.out.println("-R");

System.out.println("Authentication failed");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

public void registracija(String log2, String par2, String usertype) {

PreparedStatement PS = null;

try {

String sqlcode = "INSERT INTO users (username, password, UserType) VALUES (?, ?, ?)";

PS = connection.prepareStatement(sqlcode);

PS.setString(1, log2);

PS.setString(2, par2);

PS.setString(3, usertype);

PS.executeUpdate();

System.out.println("User added successfully");

} catch (SQLException e) {

e.printStackTrace();

}

}

public DefaultListModel<String> testuizvadisana() {

DefaultListModel<String> listModel = new DefaultListModel<>();

PreparedStatement pst = null;

ResultSet rs = null;

try {

String sql = "SELECT DISTINCT testname FROM test";

pst = connection.prepareStatement(sql);

rs = pst.executeQuery();

listModel.clear();

while (rs.next()) {

String testname = rs.getString("testname");

listModel.addElement(testname);

}

} catch (SQLException e) {

e.printStackTrace();

}

return null;

}

public void atzimesizvade() {

DefaultListModel<String> listModelAtzime = new DefaultListModel<>();

DefaultListModel<String> listModelTestname = new DefaultListModel<>();

PreparedStatement pst = null;

ResultSet rs = null;

try {

String sqlAtzime = "SELECT atzime FROM atzime";

pst = connection.prepareStatement(sqlAtzime);

rs = pst.executeQuery();

listModelAtzime.clear();

while (rs.next()) {

String atzime = rs.getString("atzime");

listModelAtzime.addElement(atzime);

}

atzimess.setModel(listModelAtzime);

} catch (SQLException e) {

e.printStackTrace();

}

}

public void pareizesatbldes(JLabel jLabel22, JLabel jLabel23, JLabel jLabel25, String testname,

ButtonGroup buttonGroup2, ButtonGroup buttonGroup3, ButtonGroup buttonGroup4,

ButtonGroup buttonGroup5, ButtonGroup buttonGroup6) {

ButtonGroup[] ag = {buttonGroup2, buttonGroup3, buttonGroup4, buttonGroup5, buttonGroup6};

ResultSet RS = null;

PreparedStatement PS = null;

int p = 0;

try {

// Запрос к базе данных для получения правильных ответов для выбранного теста

String sql = "SELECT corrcetansw FROM test WHERE TestName=?";

PS = connection.prepareStatement(sql);

PS.setString(1, testname);

RS = PS.executeQuery();

int iteration = 0;

while (RS.next() && iteration < 5) {

String correctAnswer = RS.getString("corrcetansw");

ButtonModel selectedAnswer = ag[iteration].getSelection();

if (selectedAnswer != null) {

if (selectedAnswer.getActionCommand().equals(correctAnswer)) {

p++;

}

}

iteration++;

}

} catch (SQLException ex) {

ex.printStackTrace();

}

// Установка текста для JLabels с результатами теста

jLabel22.setText("Punktu skaits : " + p);

jLabel23.setText("Atzime : " + p \* 2);

jLabel25.setText("Procenti : " + p \* 20 + "%");

try {

// Запись результатов теста в базу данных

String sql = "INSERT INTO atzime VALUES (?, ?, ?)";

PS = connection.prepareStatement(sql);

PS.setString(1, vards); // Имя пользователя

PS.setString(2, testname); // Название теста

PS.setString(3, Integer.toString(p \* 2)); // Оценка (ваша логика)

PS.executeUpdate();

} catch (SQLException ex) {

ex.printStackTrace();

}

}

}