JAVA HAULAGE AND TRUCKING USER MANUAL

Done by:

William Hume ID:2007166

Tianna Lue-Lim ID: 2109411

Aneicia Campbell ID: 2108881

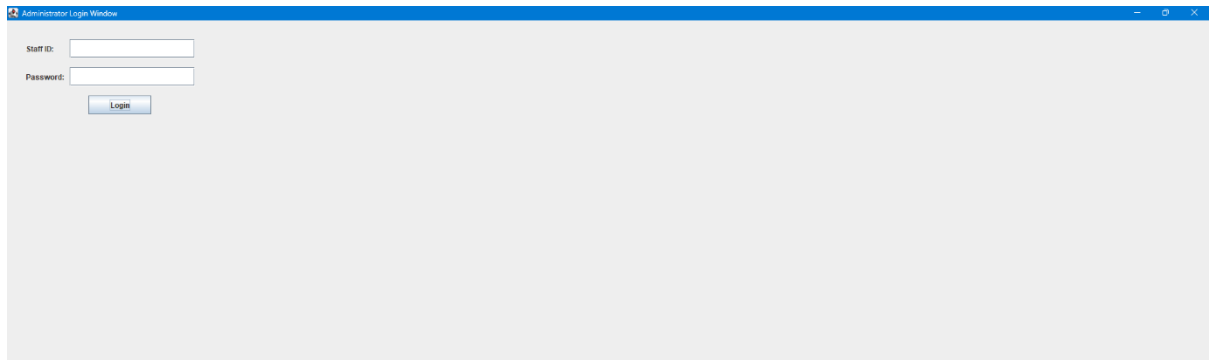**Kyshauny Bailey ID: 2103915**

Introduction

Logging into the system

Admin Functionalities

- Checking the rate sheet

- Adding to the rate sheet

- Filling out the booking form

- Searching for orders by period and driver

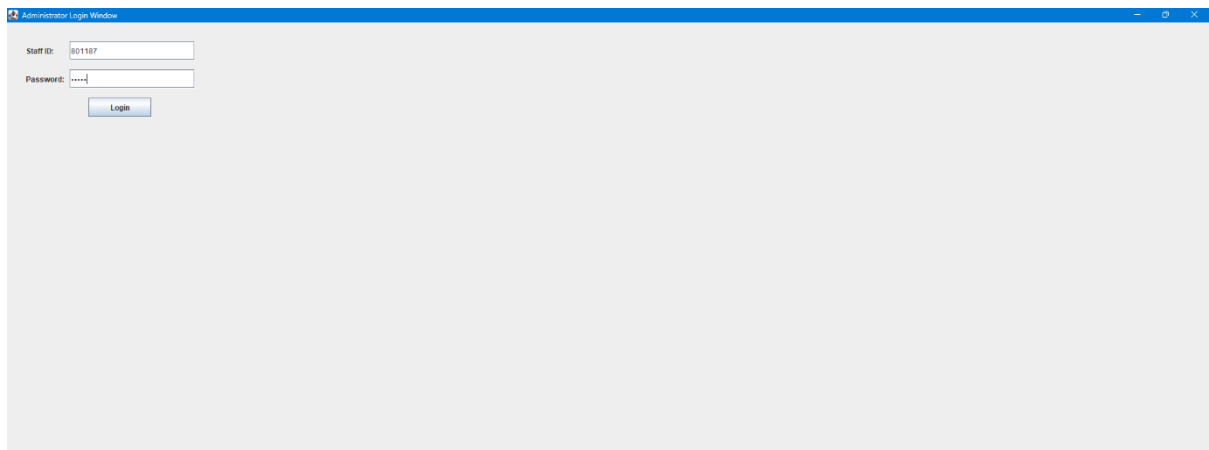- Creating an employee

- Creating a customer
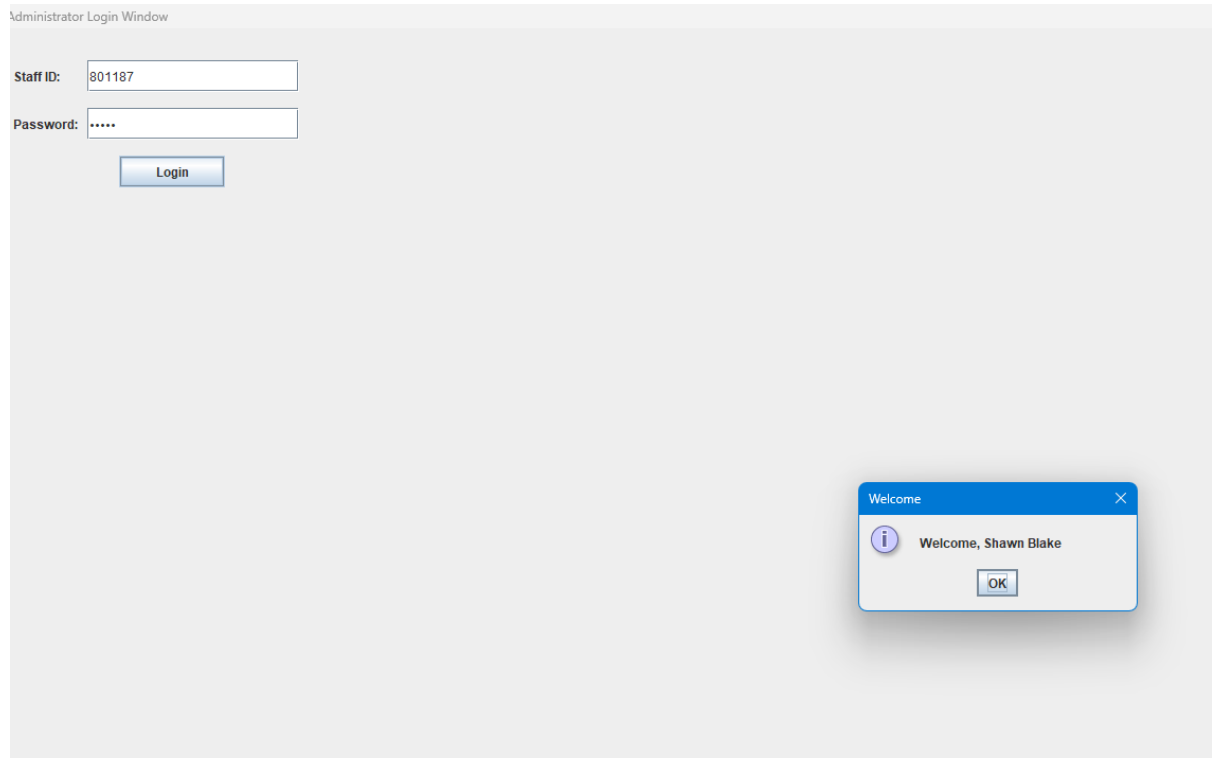
- Running reports etc

Troubleshooting

Logging In

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

Admin types in their log in credentials.

Message displays to the admin upon successful log into the system. The log in

process is now complete.

Admin Functionalities

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

- Rate Sheet

- Booking Form

- Staff Form

- Customer Form

Rate Sheet

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

message:
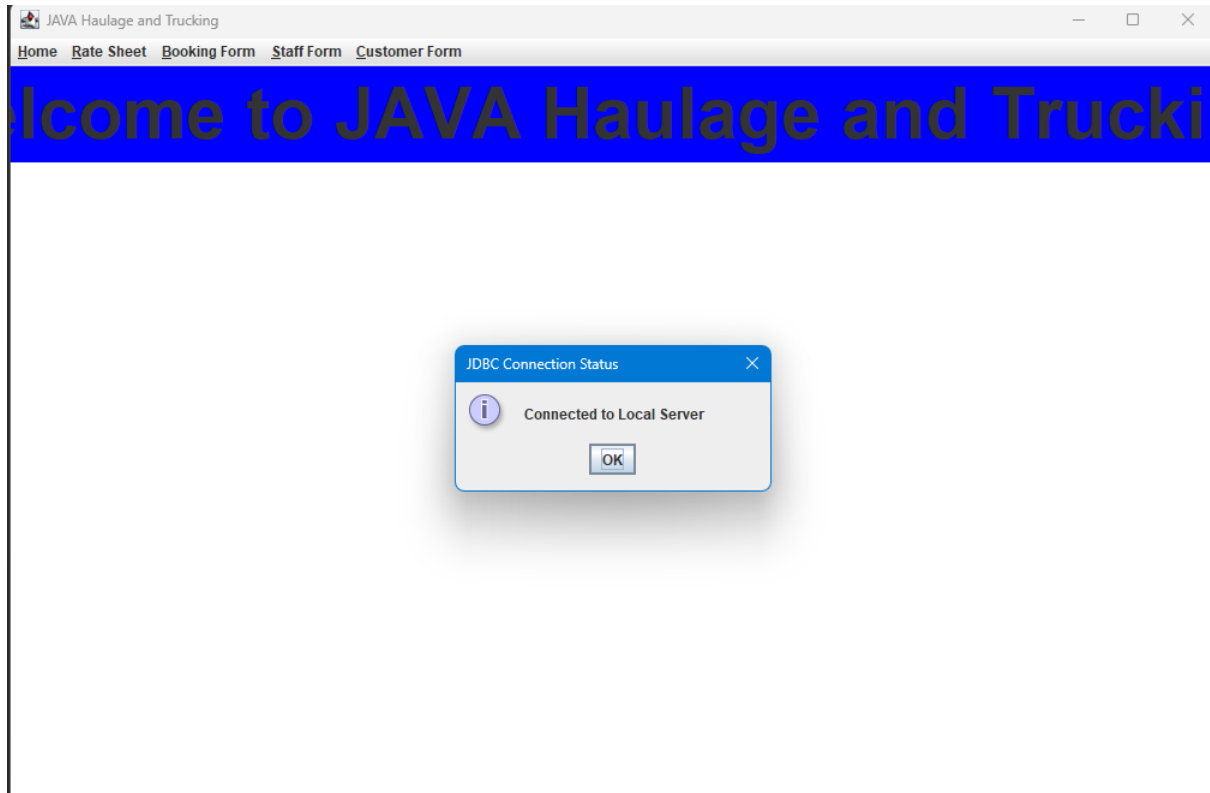
This message indicates the server which houses the JAVA Haulage and

Trucking database, and its associated tables is connected, and the rate sheet

functions can be executed.

NB: IF THIS MESSAGE DOES NOT APPEAR, YOU WILL NOT BE

ABLE TO STORE OR RETRIEVE DATA FROM THE DATABASE.

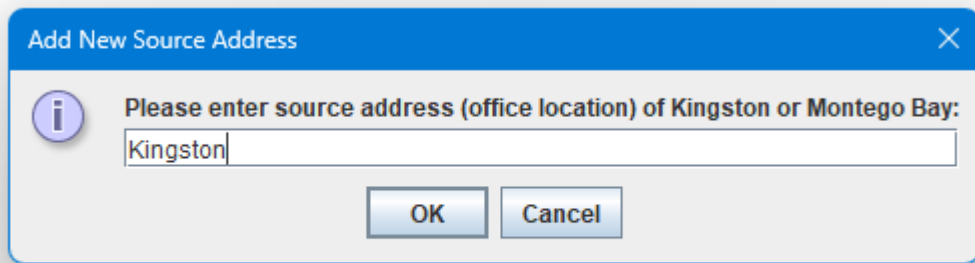**PLEASE TURN ON THE LOCAL SERVER TO CONTINUE.**
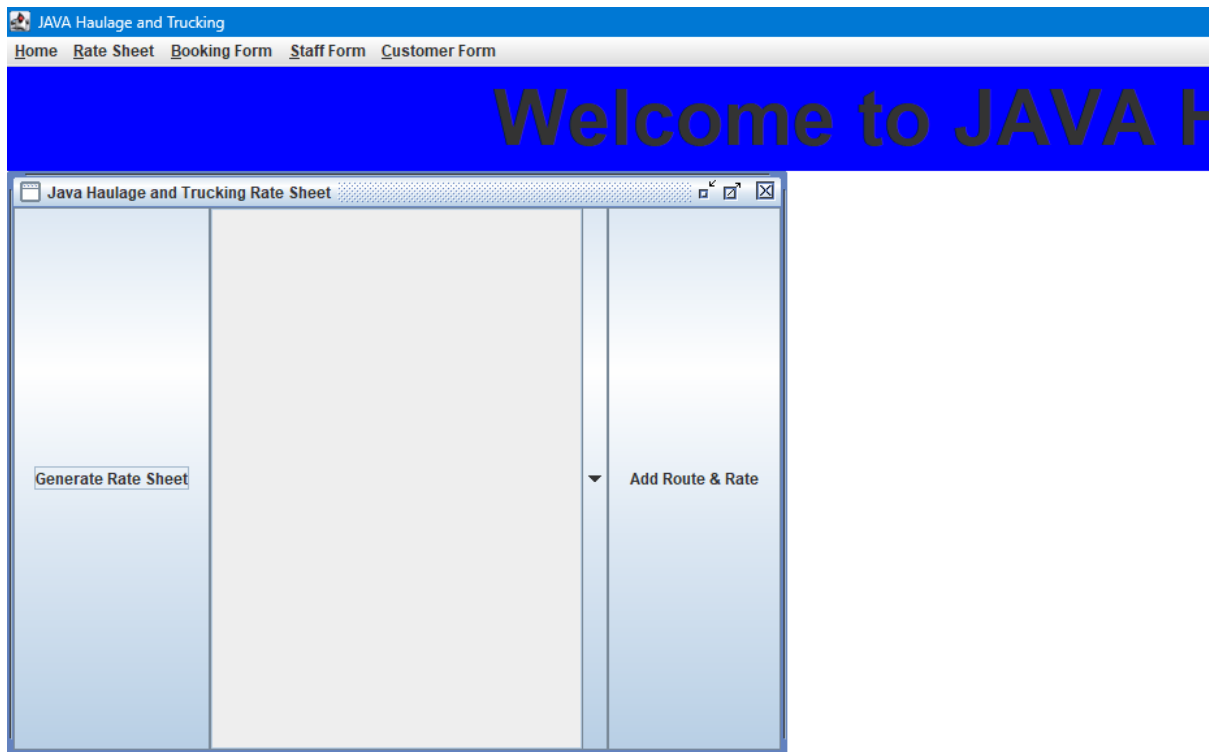
This rate sheet window will then come up where you are given two options:

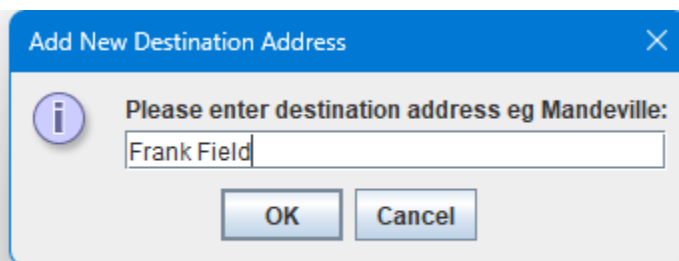- Generate Rate Sheet

- Add Route & Rate

Add Route & Rate

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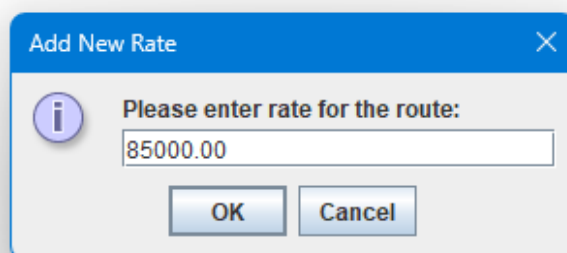
following windows:

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

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

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

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

Generate Rate Sheet

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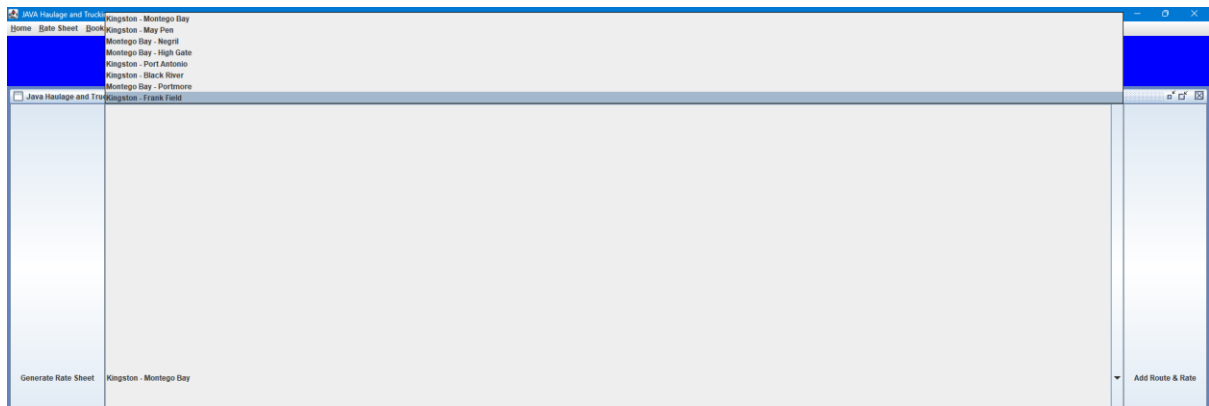
The most recently added route is at the bottom of the list when the default route

and its rate is shown in the centre of the window.
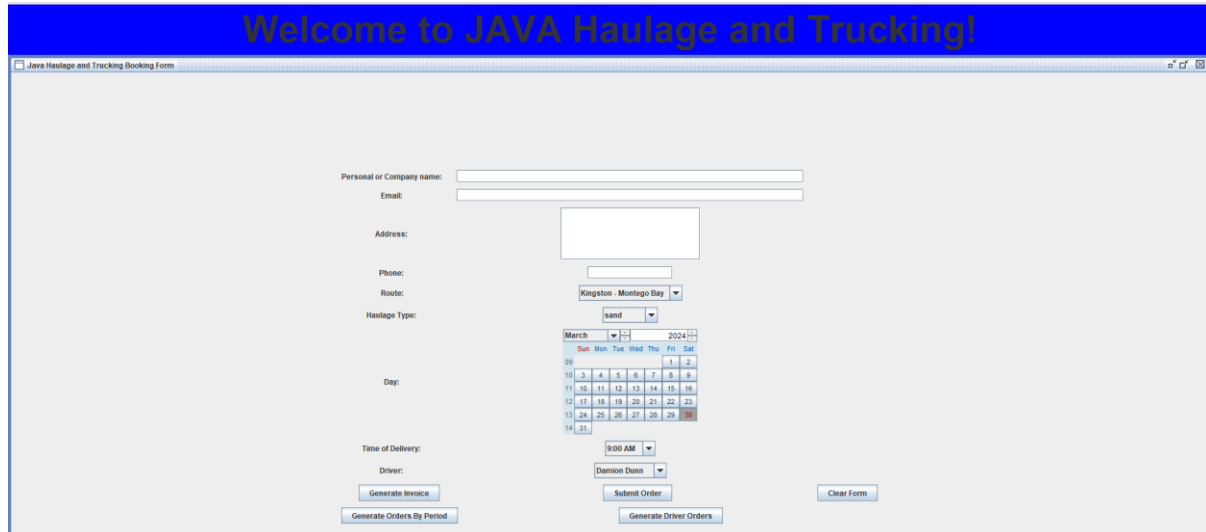
Booking Form

When the booking form menu option is clicked the following message appears:
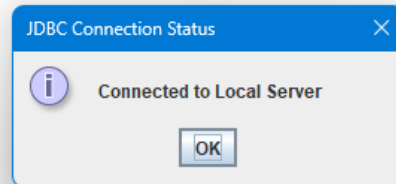
This message ensures that the database is connected to the booking form.

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

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

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

Generate Invoice

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

See the image below.
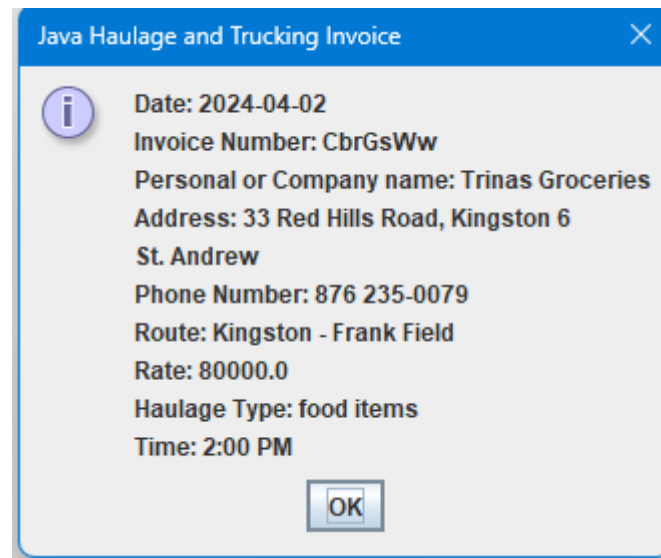
Submit Orders

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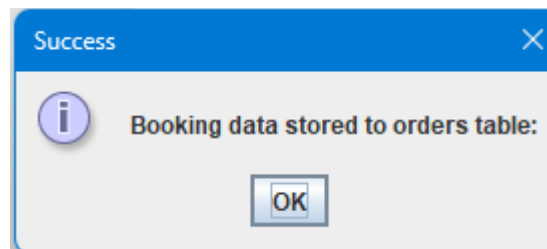
Once this message appears on the screen, the data has successfully been written to the database and click **OK** to close the window. After this the data should be displayed in the orders table below.

Generate Orders By Driver

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

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

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

Invoice Number	Company	Source Address	Destination Address	Rate	Driver	Date
CbrGsWw	Trinas Groceries	21 Marcus Garvey Drive, Kingston 6	33 Red Hills Road, Kingston 6St. Andrew	80000.0	Roberto James	2024-04-02
KVLXTWx	Enterpise Grocers	21 Marcus Garvey Drive, Kingston 6	33 Marcus Garvey Drive, Kingston 6	150000.0	Roberto James	2024-03-28
vHJ6Bvr	Mega Mart	21 Marcus Garvey Drive, Kingston 6	23 Waterloo Road, Kingston 6	80000.0	Roberto James	2024-03-30

Generate Orders By Period

When the Generate Orders By Period is selected, the following should appear:
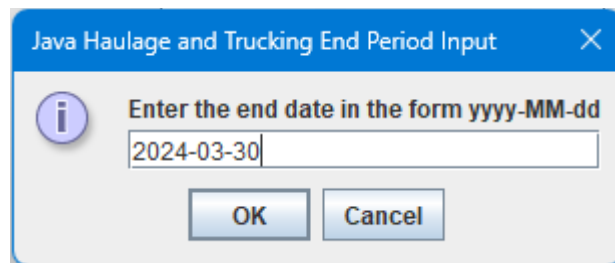
Enter the start date of the query you want to run in the format above and click **OK**.

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

The results are displayed in a tabular format shown below.

Clear Form

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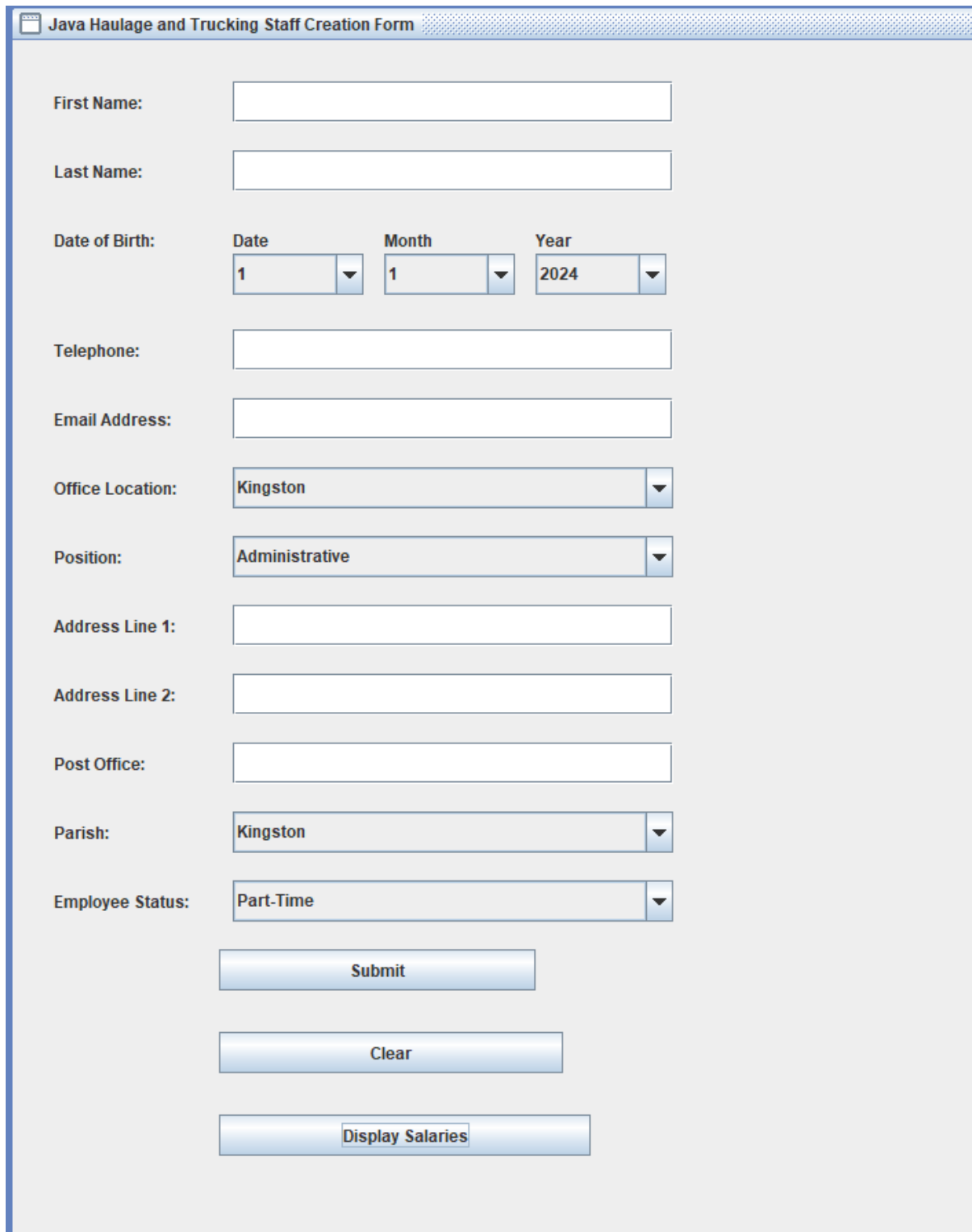
Create Staff Form

When the Create Staff Form menu option is clicked a form to display staff data

appears as shown below:

Submit

JAVA Haulage and Trucking

Home   Rate Sheet   Booking Form   Staff Form   Customer Form

Welcome to J

Java Haulage and Trucking Staff Creation Form

First Name:	Carmenita
Last Name:	Gordon

Date of Birth:

Date	Month	Year
8	5	1996

Telephone:	876 235-0098
Email Address:	carmenitagordon@gmail.com
Office Location:	Montego Bay
Position:	Administrative
Address Line 1:	21 Moon Palace Estate
Address Line 2:	N/A
Post Office:	N.A
Parish:	St. James
Employee Status:	Full-Time

Submit

Clear

Display Salaries

18

When the submit button is clicked, based on the position in the company a set of further dialogue boxes will appear. For position "**Administration"** the following happens:
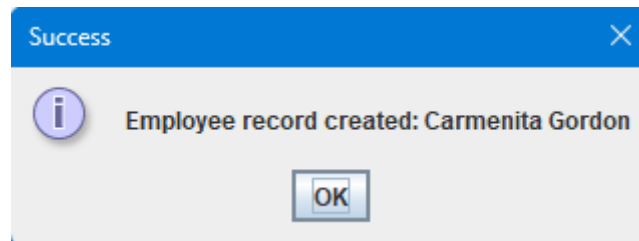
A message saying employee record created.

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

When the position is "**Driver**" the following happens.

| First Name: | Bryon |
| Last Name: | Bramwell |

Date of Birth:

| Date | Month | Year |
| 6 | 8 | 1998 |

Telephone:	876 345-0041
Email Address:	bryonbramwell98@gmail.com
Office Location:	Kingston
Position:	Driver
Address Line 1:	21 Tavistock Terrace
Address Line 2:	N/A
Post Office:	N/A
Parish:	St. Thomas
Employee Status:	Full-Time

Submit

Clear

Display Salaries

This confirmation message appears.
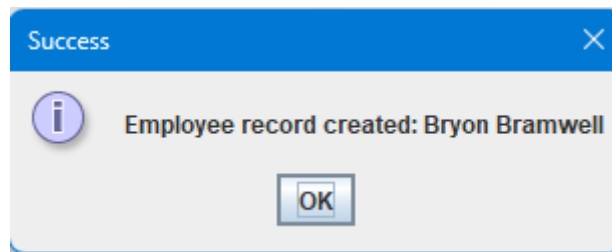
The program then asks you to set the contract start dates and end dates of the driver:

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

When the position is "**Maintenace**" the following will happen.

Java Haulage and Trucking Staff Creation Form

First Name: Adam

Last Name: Edwards

Date of Birth:
Date: 6
Month: 12
Year: 1990

Telephone: 876 223-3541

Email Address: adamedwards90@gmail.com

Office Location: Montego Bay

Position: Maintenance

Address Line 1: 22 Cornwall Avenue

Address Line 2: N/A

Post Office: N/A

Parish: Trelawny

Employee Status: Full-Time

Submit

Clear

Display Salaries

The confirmation of the employee being created comes up.
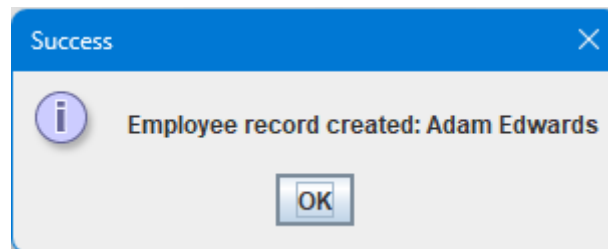
Click **OK** and then the system ask you to set the contract length as shown below.

,

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

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

|	staffId	firstName	lastName	dateOfBirth	telephone	email	officeLocation	position	address1	address2	postOffice	parish	status	salary	adminPassword	contractStartDate	contractEndDate	numberOfTrips	maintenance	Specialization	DTYPE
Edit Copy Delete	152937	Jarrod	Bowen	1987-11-01	876 345-9004	jbowen87@gmail.com	Kingston	Maintenance	65 Smith Avenue	Kingston 7	N/A	Kingston	Full-Time	0	NULL	2024-06-01	2025-07-01	NULL	Mechanic		Staff
Edit Copy Delete	255696	Jerome	Smith	1989-01-01	876 213-0961	jsmith323@gmail.com	Montego Bay	Administrative	21 Decon Avenue	N/A	N/A	St. Elizabeth	Part-Time	0	23456	NULL	NULL	NULL		NULL	Staff
Edit Copy Delete	362221	Bob	Builder	2000-01-01	876 235-0761	bobbuilder@gmail.com	Kingston	Maintenance	21 Apple Road	N/A	N/A	St. Andrew	Part-Time	0	NULL	2024-01-01	2025-01-01	NULL	Technician		Staff
Edit Copy Delete	607063	Damion	Dunn	1986-10-05	876 235-0098	damdunn33@gmail.com	Montego Bay	Driver	56 Montego Bay Crescent	N/A	N/A	St. James	Full-Time	0	NULL	2024-03-01	2025-07-01	NULL		NULL	Staff
Edit Copy Delete	727834	Shawn	Baker	2002-01-01	876 345-9012	bakershawn@gmail.com	Kingston	Maintenance	31 Conventry County	N/A	N/A	Manchester	Part-Time	0	NULL	2024-01-01	2025-01-01	NULL	Janitor		Staff
Edit Copy Delete	801187	Shawn	Blake	1976-07-01	876 234-0446	shawnblake@gmail.co	Kingston	Administrative	22 Howard Lane	Kingston 4	N/A	St. Andrew	Part-Time	0	32456	NULL	NULL	NULL		NULL	Staff
Edit Copy Delete	850539	Roberto	James	1993-08-07	876 335-2269	robjames32@gmail.com	Montego Bay	Driver	45 Kings Street	Falmouth	N/A	Trelawny	Full-Time	0	NULL	2024-03-05	2025-12-31	NULL		NULL	Staff

Clear

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

Java Haulage and Trucking Staff Creation Form

First Name: [   ]

Last Name: [   ]

Date of Birth:

Date	Month	Year
1 ▼	1 ▼	2024 ▼

Telephone: [   ]

Email Address: [   ]

Office Location: [Kingston ▼]

Position: [Administrative ▼]

Address Line 1: [   ]

Address Line 2: [   ]

Post Office: [   ]

Parish: [Kingston ▼]

Employee Status: [Part-Time ▼]
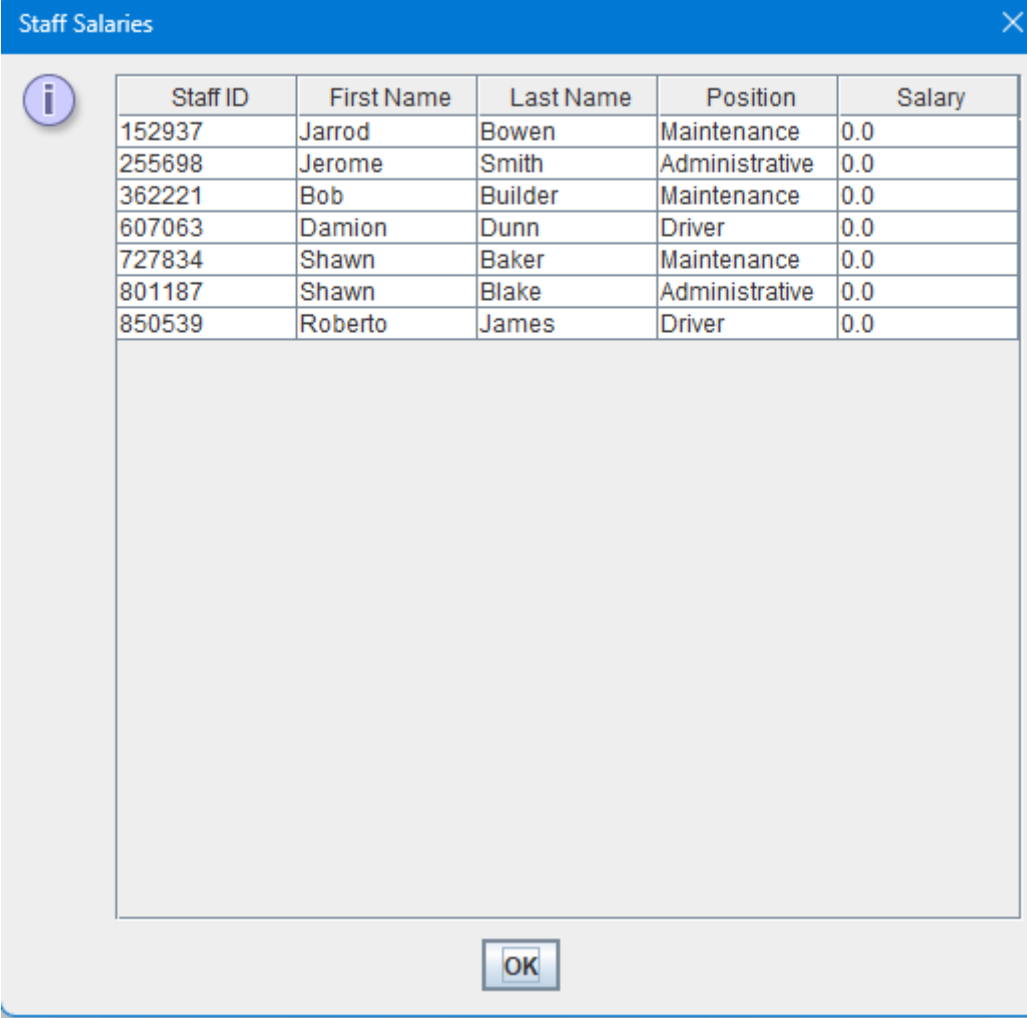
[Submit]

[Clear]

[Display Salaries]

Display Salaries

Clicking the display salaries button will display the salaries for all employees
except drivers whose pay is billed separately.
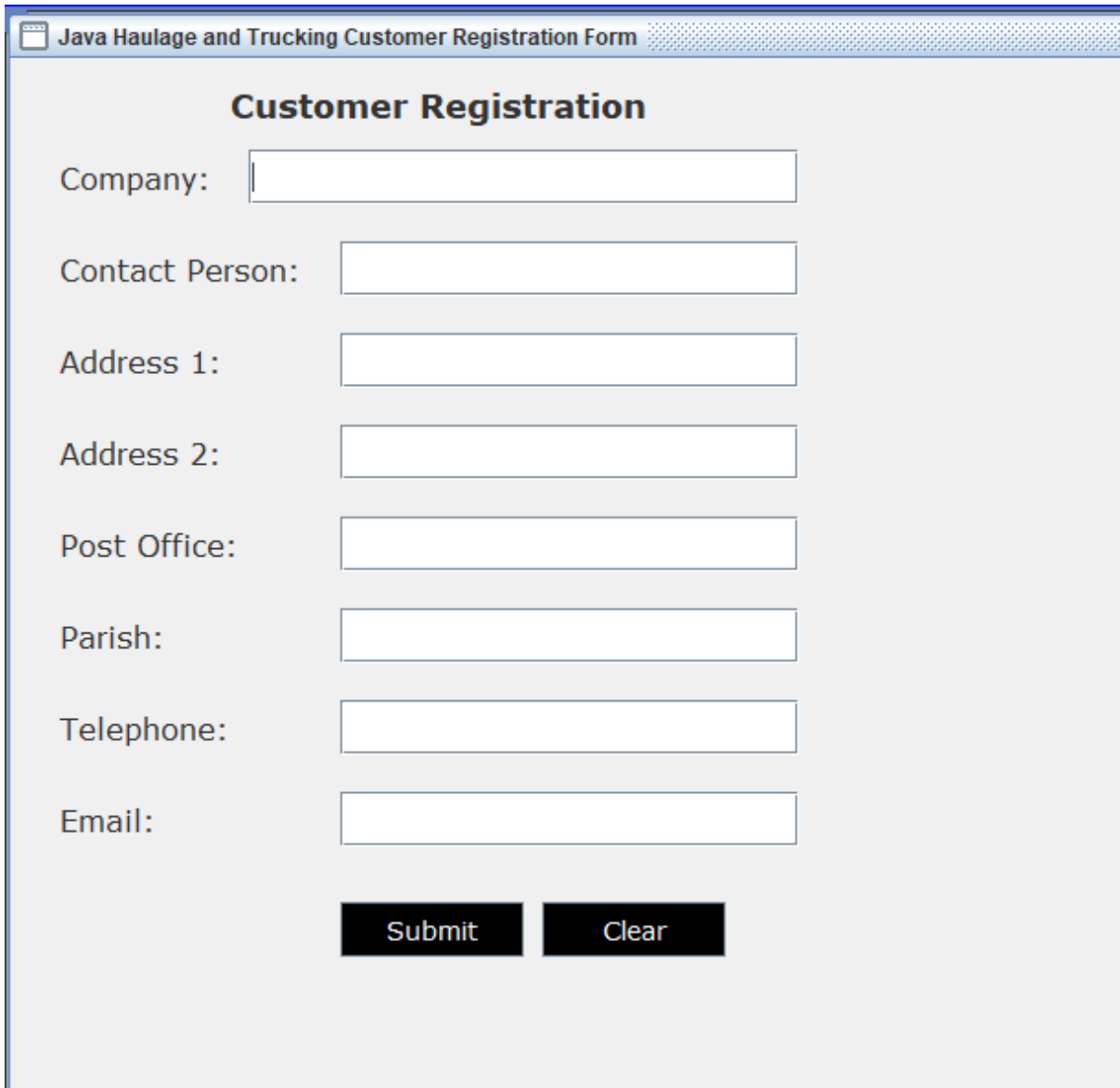
Staff ID	First Name	Last Name	Position	Salary
152937	Jarrod	Bowen	Maintenance	0.0
255698	Jerome	Smith	Administrative	0.0
362221	Bob	Builder	Maintenance	0.0
607063	Damion	Dunn	Driver	0.0
727834	Shawn	Baker	Maintenance	0.0
801187	Shawn	Blake	Administrative	0.0
850539	Roberto	James	Driver	0.0

OK

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

Customer Form

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

Submit

When the submit button is clicked the following message appears:

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

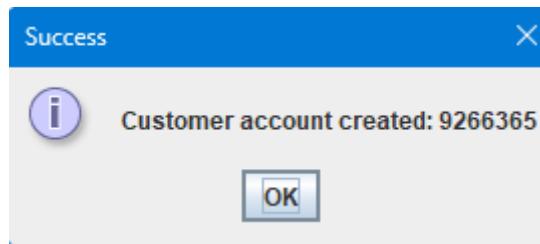|	customerId	company	contactPerson	address1	address2	postOffice	parish	telephone	email	status	balance	creationDate
☐ Edit ⅜ Copy ● Delete	1657698	Dana's Nails	Dana Thompson	23 Aberdeen Avenue	Kingston 6	N/A	Kingston	876 235-0679	danathompson@gmail.com		0	NULL
☐ Edit ⅜ Copy ● Delete	5768579	Hilo Grocers	Davian Ferguson	21 Hagley Park Road	Kingston 4	PO BOX 1234	St. Catherine	876 256-091	davianfergusonhilo@gmail.com		0	NULL
☐ Edit ⅜ Copy ● Delete	7293723	Mega Mart	Sashanna Forbes	21 Main Street	N/A	N/a	St. Catherine	876 234-0081	sashanaforbes21@gmail.com		0	NULL
☐ Edit ⅜ Copy ● Delete	9266365	S&M Auto Parts	Ryan Folks	33 1/2 Molynes Road	Kingston 5	N/A	SKingston	876 225-3421	ryanfolkssandm@gmail.com		0	NULL

Clear

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

28

Java Haulage and Trucking Customer Registration Form

Customer Registration

Company: _____

Contact Person: _____

Address 1: _____

Address 2: _____

Post Office: _____

Parish: _____

Telephone: _____

Email: _____

[Submit]   [Clear]

Troubleshooting

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