

CS6308 - JAVA PROGRAMMING

PROJECT ENHANCED TRAVEL BOOKING

- **Vasudha E**

The manual ticket booking and maintenance process results in wastage of time and energy both by the user and the travel management system. Thus providing a software for the process would result in saving of time and efficient management of data. The project aims at functionalities such as registration by the user, reserving seats and payment. The reservation process includes the user choosing the type of bus, number of seats, source and destination. Finally, the user will be prompted to pay through card.

Tech used : Java Swing, MySQL Database Server

SCREENSHOTS OF THE APPLICATION :

Home Page

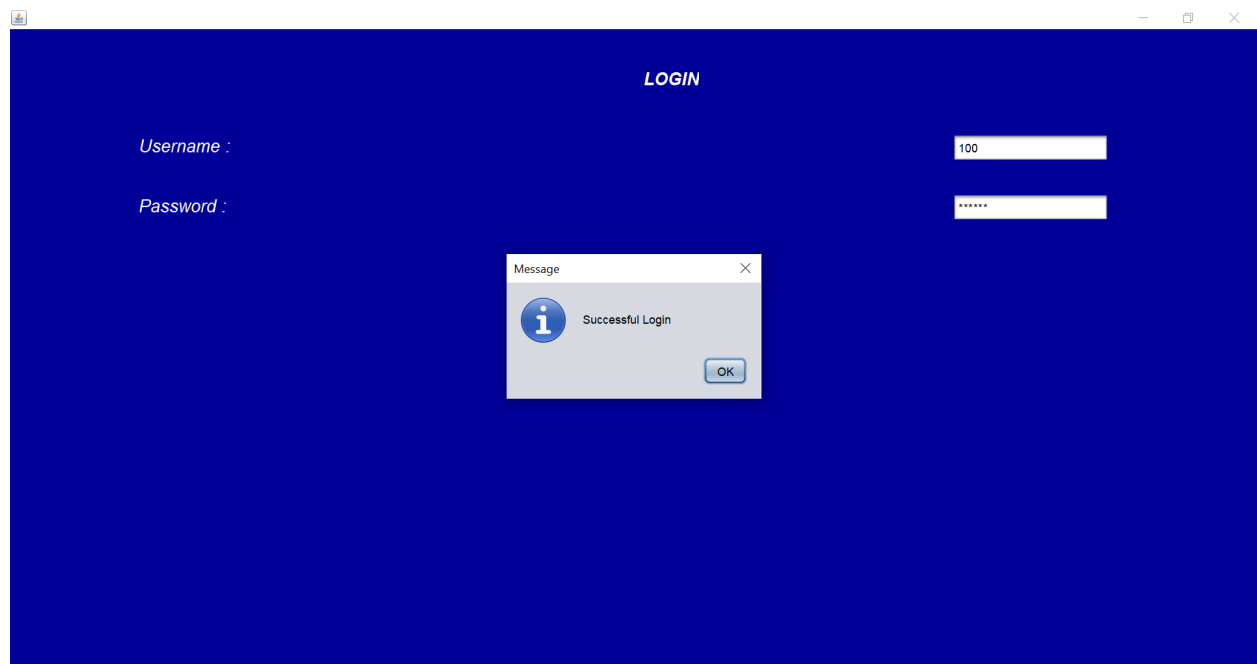


Login Page



A screenshot of a web application window titled "LOGIN". The window has a solid blue background. At the top center, the word "LOGIN" is written in white, italicized, uppercase letters. Below this, on the left side, are two labels: "Username :" and "Password :", both in white, italicized font. To the right of these labels are two white input fields. The first input field contains the text "100". The second input field contains seven asterisks "*****". Below the input fields, centered horizontally, is a white button with the text "SUBMIT" in black, uppercase letters. The window has standard OS controls (minimize, maximize, close) in the top right corner.

Login Success



A screenshot of the same web application window titled "LOGIN", now showing a successful login state. The background is still blue. The "Username :" and "Password :" labels and their corresponding input fields remain. The "SUBMIT" button is still present. A new message dialog box is displayed in the center of the window. The dialog box has a title bar that says "Message" and a close button (X). Inside the dialog, there is a blue circular icon with a white lowercase "i" (information). To the right of the icon, the text "Successful Login" is displayed. At the bottom right of the dialog box is a button labeled "OK". The window's OS controls are still visible in the top right corner.

Source and Destination Page

WELCOME VASUDHA

LOGOUT

SELECT SOURCE

Salem

SELECT DESTINATION

Trichy

OK

Buses Page

CHOOSE BUS VASUDHA

LOGOUT

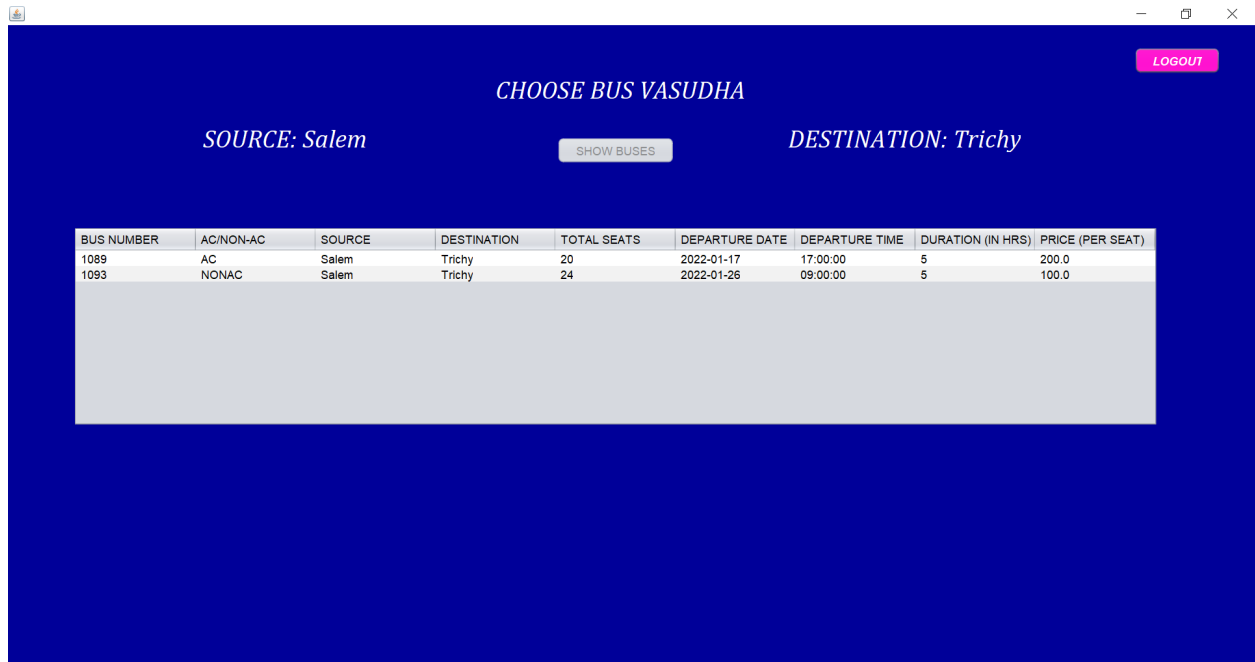
SOURCE: Salem

SHOW BUSES

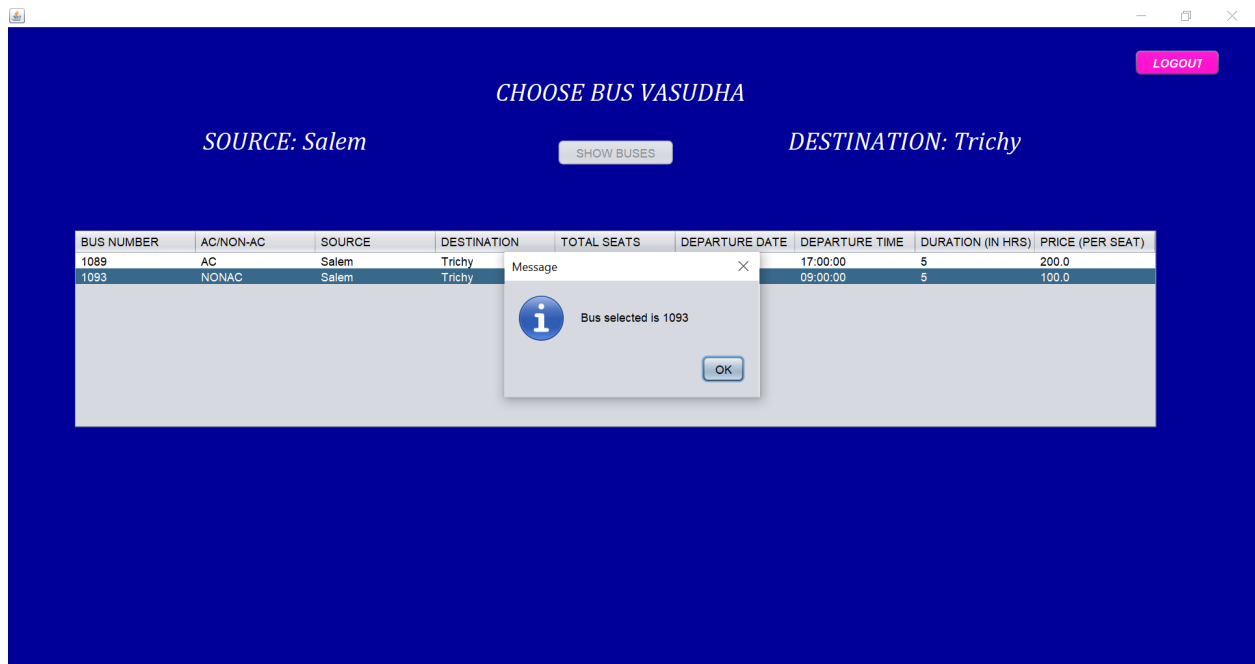
DESTINATION: Trichy

BUS NUMBER	AC/NON-AC	SOURCE	DESTINATION	TOTAL SEATS	DEPARTURE DATE	DEPARTURE TIME	DURATION (IN HRS)	PRICE (PER SEAT)
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On clicking the “SHOW BUSES” button



Selecting a bus



Seats Page

CHOOSE SEATS VASUDHA

LOGOUT

WINDOW

1

2

5

6

9

10

13

14

17

18

21

22

3

4

7

8

11

12

15

16

19

20

23

24

WINDOW

FRONT PANE

SUBMIT

Choosing Seats

CHOOSE SEATS VASUDHA

LOGOUT

WINDOW

1

2

5

6

9

10

13

14

17

18

21

22

3

4

7

8

11

12

15

16

19

20

23

24

WINDOW

FRONT PANE

SUBMIT

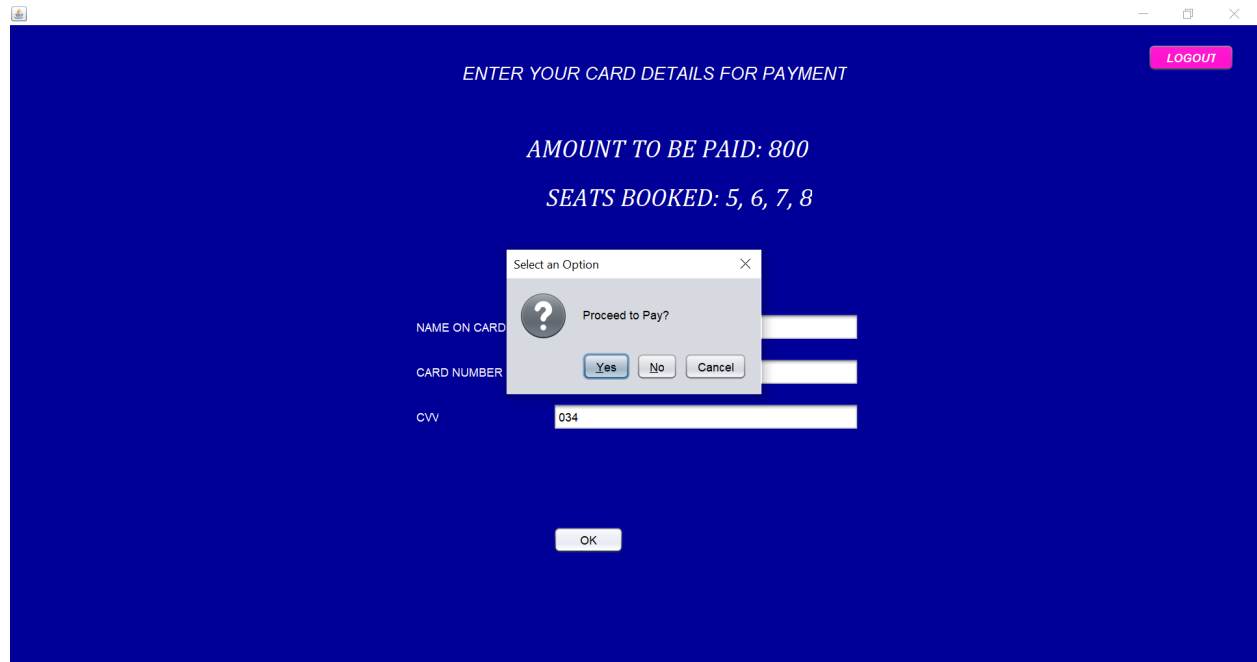
Confirmation dialog box

The screenshot shows a web application window titled "CHOOSE SEATS VASUDHA" with a "LOGOUT" button in the top right corner. The main area displays a 4x6 grid of seat numbers (1-24) on a dark blue background. Seats 1, 2, 3, 4, 9, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, and 24 are highlighted in green. Seats 5, 6, 7, and 8 are highlighted in white. The words "WINDOW" are written on the left and right sides of the grid. Below the grid is a "FRONT PANE" label and a "SUBMIT" button. A modal dialog box titled "Select an Option" is centered over the grid, containing a question mark icon, the text "Confirm Seats?", and three buttons: "Yes", "No", and "Cancel".

Payments Page

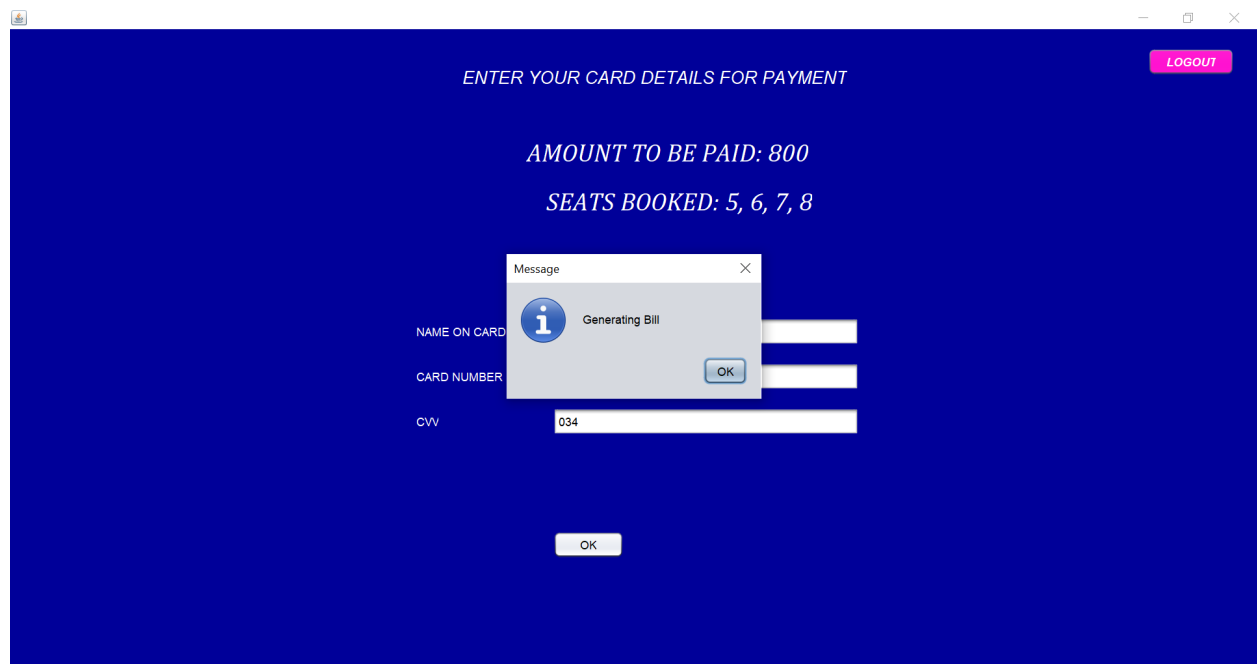
The screenshot shows a web application window titled "ENTER YOUR CARD DETAILS FOR PAYMENT" with a "LOGOUT" button in the top right corner. The main area displays the text "AMOUNT TO BE PAID: 800" and "SEATS BOOKED: 5, 6, 7, 8". Below this is a form with three rows: "NAME ON CARD" with the value "VASUDHA", "CARD NUMBER" with the value "123456789", and "CVV" with the value "034". Each row has a text input field. At the bottom center is an "OK" button.

Confirmation for proceeding to pay



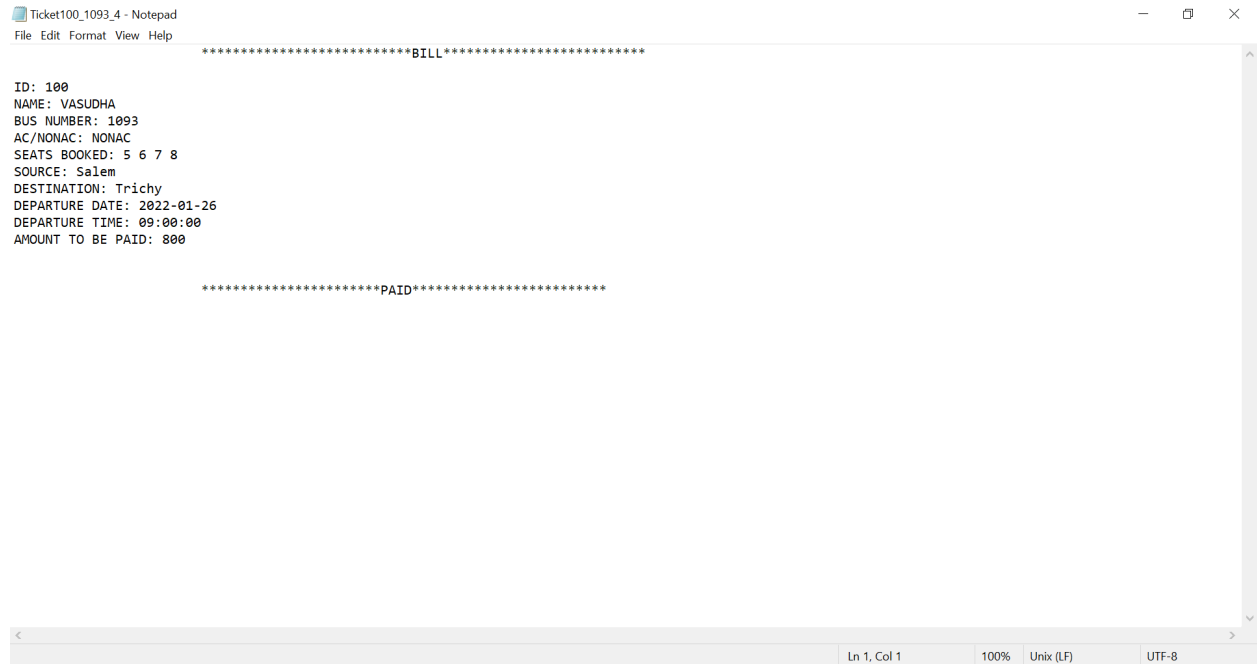
A screenshot of a web application with a dark blue background. At the top, the text "ENTER YOUR CARD DETAILS FOR PAYMENT" is displayed in white, with a pink "LOGOUT" button to its right. Below this, the text "AMOUNT TO BE PAID: 800" and "SEATS BOOKED: 5, 6, 7, 8" is shown in a light blue, italicized font. In the center, there is a form with three input fields: "NAME ON CARD", "CARD NUMBER", and "CVV". The "CVV" field contains the value "034". A modal dialog titled "Select an Option" is open in the center, featuring a question mark icon and the text "Proceed to Pay?". It has three buttons: "Yes", "No", and "Cancel". Below the form, there is an "OK" button.

Generating bill after choosing "Yes"



A screenshot of the same web application as above, but with a different modal dialog. The modal is titled "Message" and features an information icon (i) and the text "Generating Bill". It has a single "OK" button. The background elements, including the header, payment details, and form, remain the same as in the previous screenshot.

Bill generated as a text file



The screenshot shows a Notepad window titled "Ticket100_1093_4 - Notepad". The text content is as follows:

```
*****BILL*****  
  
ID: 100  
NAME: VASUDHA  
BUS NUMBER: 1093  
AC/NONAC: NONAC  
SEATS BOOKED: 5 6 7 8  
SOURCE: Salem  
DESTINATION: Trichy  
DEPARTURE DATE: 2022-01-26  
DEPARTURE TIME: 09:00:00  
AMOUNT TO BE PAID: 800  
  
*****PAID*****
```

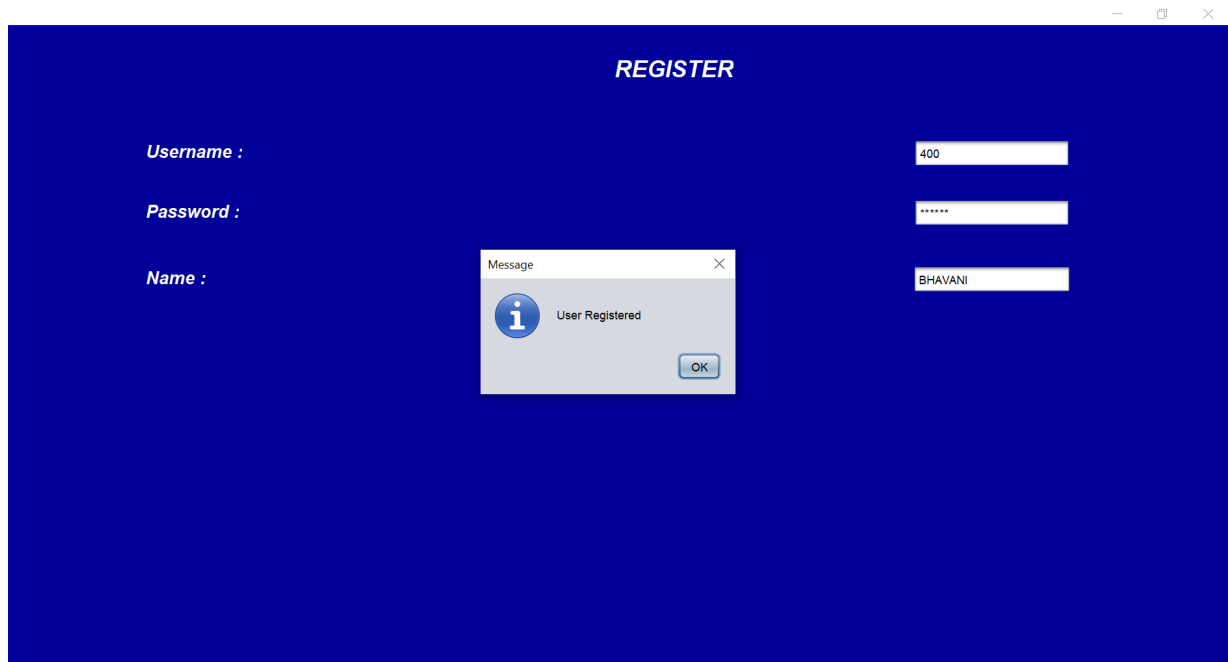
The status bar at the bottom indicates "Ln 1, Col 1", "100%", "Unix (LF)", and "UTF-8".

Register Page



The screenshot shows a "REGISTER" page with a solid blue background. The title "REGISTER" is centered at the top in white, italicized text. Below the title, there are three labels on the left: "Username :", "Password :", and "Name :". To the right of each label is a white text input field. At the bottom center, there is a white button with the text "SUBMIT".

User registered after entering the details



The screenshot shows a web application window titled "REGISTER" with a dark blue background. On the left, there are three labels: "Username :", "Password :", and "Name :". On the right, there are three corresponding input fields. The first field contains "400", the second contains "*****", and the third contains "BHAVANI". In the center, a small white dialog box titled "Message" is displayed, showing an information icon and the text "User Registered" with an "OK" button.

REGISTER

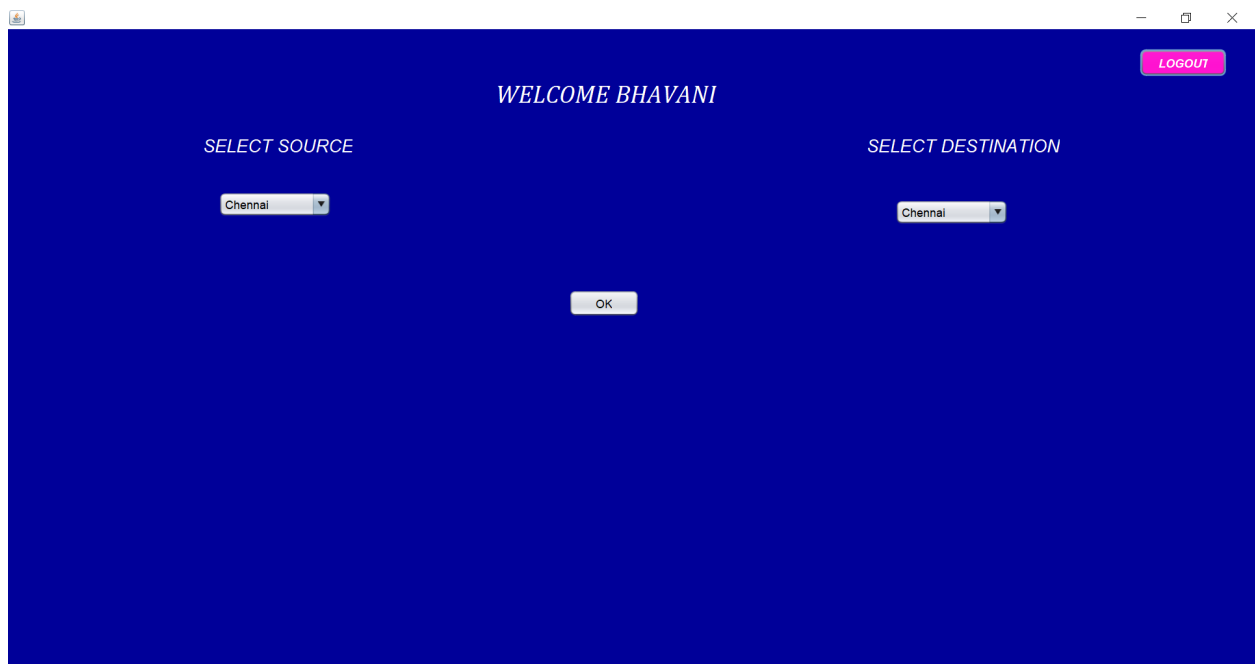
Username :

Password :

Name :

Message
User Registered
OK

Source and Destination page after registration completion



The screenshot shows a web application window titled "WELCOME BHAVANI" with a dark blue background. In the top right corner, there is a pink "LOGOUT" button. Below the title, there are two sections: "SELECT SOURCE" and "SELECT DESTINATION". Each section has a dropdown menu with "Chennai" selected. At the bottom center, there is an "OK" button.

WELCOME BHAVANI [LOGOUT](#)

SELECT SOURCE

SELECT DESTINATION

OK

SCREENSHOTS OF STATE OF TABLES :

Before registration

```
MySQL localhost:33060+ ssl sample SQL > select * from customer;
```

ID	PASSWORD	NAME
100	ABC123	VASUDHA
200	DEF456	LALITHA
300	KKK000	RADHA

```
3 rows in set (0.0070 sec)
MySQL localhost:33060+ ssl sample SQL >
```

After registration

```
MySQL localhost:33060+ ssl sample SQL > select * from customer;
```

ID	PASSWORD	NAME
100	ABC123	VASUDHA
200	DEF456	LALITHA
300	KKK000	RADHA
400	hhh000	BHAVANI

```
4 rows in set (0.0077 sec)
MySQL localhost:33060+ ssl sample SQL >
```

TABLE DESCRIPTION:

Database : sample

Tables : customer, buses, seats

Customer:

```
MySQL localhost:33060+ ssl sample SQL > DESCRIBE CUSTOMER;
```

Field	Type	Null	Key	Default	Extra
ID	int	NO	PRI	NULL	
PASSWORD	varchar(10)	YES		NULL	
NAME	varchar(10)	YES		NULL	

Buses:

```
MySQL localhost:33060+ ssl sample SQL > DESCRIBE BUSES;
```

Field	Type	Null	Key	Default	Extra
BUS_ID	int	NO	PRI	NULL	
AC_NONAC	varchar(10)	YES		NULL	
SOURCE	varchar(15)	YES		NULL	
DESTINATION	varchar(15)	YES		NULL	
TOT_SEATS	int	YES		NULL	
DEPT_DATE	date	YES		NULL	
DEPT_TIME	time	YES		NULL	
DURATION	int	YES		NULL	
PRICE	double	YES		NULL	

Seats :

```
MySQL localhost:33060+ ssl sample SQL > DESCRIBE SEATS;
```

Field	Type	Null	Key	Default	Extra
BUS_ID	int	YES	MUL	NULL	
SEAT_NO	int	YES		NULL	
ID	int	YES	MUL	NULL	

RECORDS IN THE TABLE :

Customer :

```
MySQL localhost:33060+ ssl sample SQL > SELECT * FROM CUSTOMER;
```

ID	PASSWORD	NAME
100	ABC123	VASUDHA
200	DEF456	LALITHA
300	KKK000	RADHA
400	hhh000	BHAVANI

Buses :

```
MySQL localhost:33060+ ssl sample SQL > SELECT * FROM BUSES;
```

BUS_ID	AC_NONAC	SOURCE	DESTINATION	TOT_SEATS	DEPT_DATE	DEPT_TIME	DURATION	PRICE
1089	AC	Salem	Trichy	20	2022-01-17	17:00:00	5	200
1090	NONAC	Chennai	Trichy	20	2022-01-17	13:30:00	2	100
1091	NONAC	Chennai	Madurai	16	2022-01-24	12:00:00	3	150
1092	AC	Airport	Chennai	16	2022-01-24	10:00:00	1	200
1093	NONAC	Salem	Trichy	24	2022-01-26	09:00:00	5	100

Seats :

```
MySQL localhost:33060+ ssl sample SQL > SELECT * FROM SEATS;
```

BUS_ID	SEAT_NO	ID
1089	1	100
1089	2	100
1093	5	100
1093	6	100
1093	7	100
1093	8	100