**Documentation of DBMS Project**

Group:-Nikhil kumar(2017301)

Deepak Kumar Thakur(2017337)

login.java-

checking username and password from database whether it exist or not, if exist then match all the details of that user.

1)Select \* from login where UserName='"+user.getText()+"' and Password='"+pass.getText().toString()+"';

Registerlogin.java-

Getting usernames details from login and if it not already exist then register with confirm password

1)select UserName from login;

2)insert into login(UserName,Password)values(?,?);

UserDetails.java-

Checking usernames from login users for duplicity and if not duplicates found then add, if found then show already exist error message and then insert into login table and then fill permanent details in user table as this is important for user to book tickets because this contains account balance and other important details

1) select UserName from login;

2) insert into login(UserName,Password)values(?,?);

3) insert into user(First\_Name,Last\_Name,Adhaar\_No,Gender,Age,Mobile,EmailID,Password,City,State,UserName)values(?,?,?,?,?,?,?,?,?,?,?);

SeatsForm.java-

Firstly get the available seats from train table with tno that we have from booktickets and then we get the details of train for required train and print it in table then getting wallet values to show available balance in your account and checking for insufficient balance if required amount for book tickets from range 1 to 4 and then if amount <=balance then book tickets to confirm payment then it gives the payment details to PaymentHistory.java and update the wallet balance and train available tickets accordingly

1) Select seats\_Avail from train where Train\_No='"+tno+"';

2) Select \* from train where Train\_Name ='"+s+"';

3) Select Wallet from user where UserName='"+login.name+"';

4)select TicketID from paymentdetails;

5)Update user set Wallet ='"+(Integer.parseInt(wallet.getText())-f)+"' where UserName='"+this.st+"';

6)Update train set seats\_Avail ='"+(seatoriginal-Integer.parseInt((String)seat.getSelectedItem()))+"' where Train\_No='"+tno+"';

7)insert into paymentdetails(PayID,TicketID,Train\_No,Date,Time,Amount,Balance,UserName,seat\_booked)values(?,?,?,?,?,?,?,?,?);

PaymentHistory.java-

1)Select PayID,TicketID,Train\_No,Date,Time,Amount,Balance from paymentdetails where UserName='"+login.name+"';

SeatAvail.java-

Getting Train name and seats avail from train as we have train number from textbox so just checking is required train with train no.in text box if it exist or not

1)Select Train\_Name,seats\_Avail from train where Train\_No = '"+number.getText()+"';

CheckAvail.java-

Getting train name, seats\_avail and arrive time important details for user to get the information to check if he is available for that time or not and seats are available or not and train name is also equally important

1)Select Train\_Name,seats\_Avail,Arrive\_time from train where Train\_No = '"+this.num+"';

CancelTickets.java-

Getting train\_no, seats booked from payment details that is required to get the seats avail from train that we will get from tno that we are getting from paymentdetails and seats\_Avail is required to update the train table value of seats\_Avail and then getting Username and Amount from payment details to update the values of wallet using UserName and Amount and then we require details for cancelled\_records then for that we are getting those details from paymentdetails those values are=PayID,Train\_No,seat\_booked and lastly we delete the required record from payment details after getting all data from all the table which we require.

1)Select Train\_No,seat\_booked from paymentdetails where TicketID='"+ticket.getText()+"';

2)Select seats\_Avail from train where Train\_No='"+tno+"';

3)Update train set seats\_Avail ='"+seat\_cancelled+"' where Train\_No='"+tno+"';

4)Select UserName,Amount from paymentdetails where TicketID='"+ticket.getText()+"';

5)Select Wallet from user where UserName='"+login.name+"';

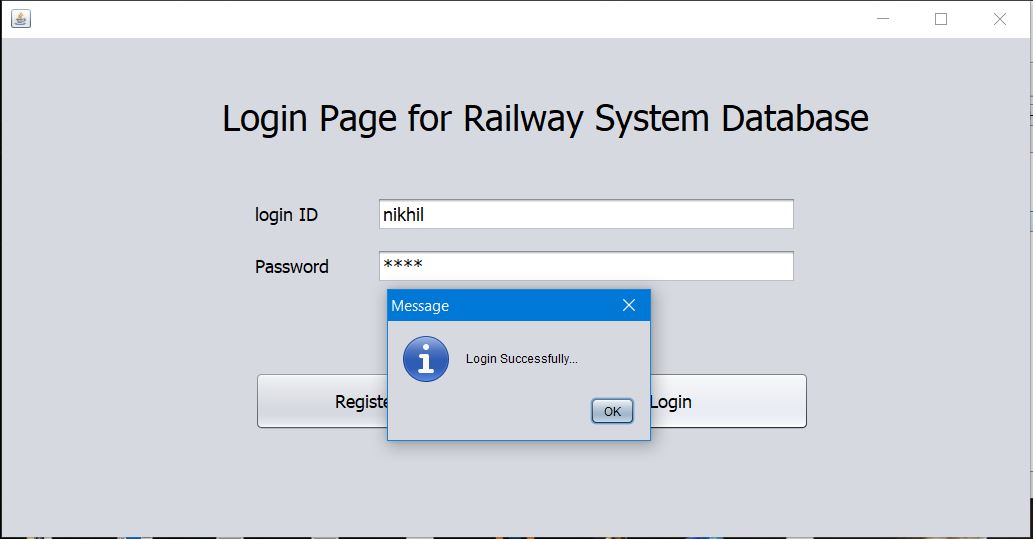
6)Update user set Wallet='"+(amount+wallet\_balance\_of\_user)+"' where UserName='"+user+"';

7)Select PayID,Train\_No,seat\_booked from paymentdetails where TicketID='"+ticket.getText()+"';

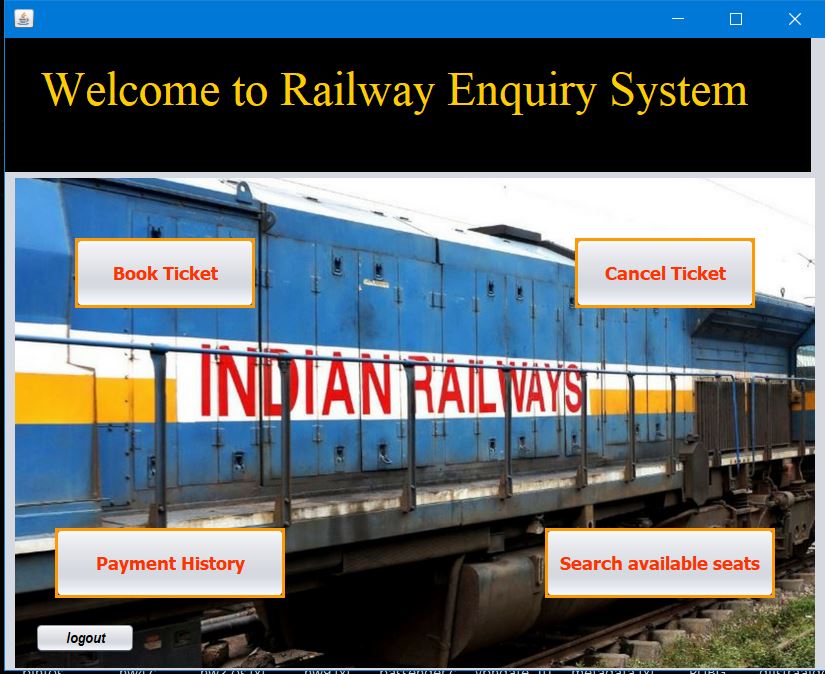
8)Insert into cancelled\_records(PayID,TicketID,Train\_No,Amount,UserName,seats\_cancelled)values(?,?,?,?,?,?);

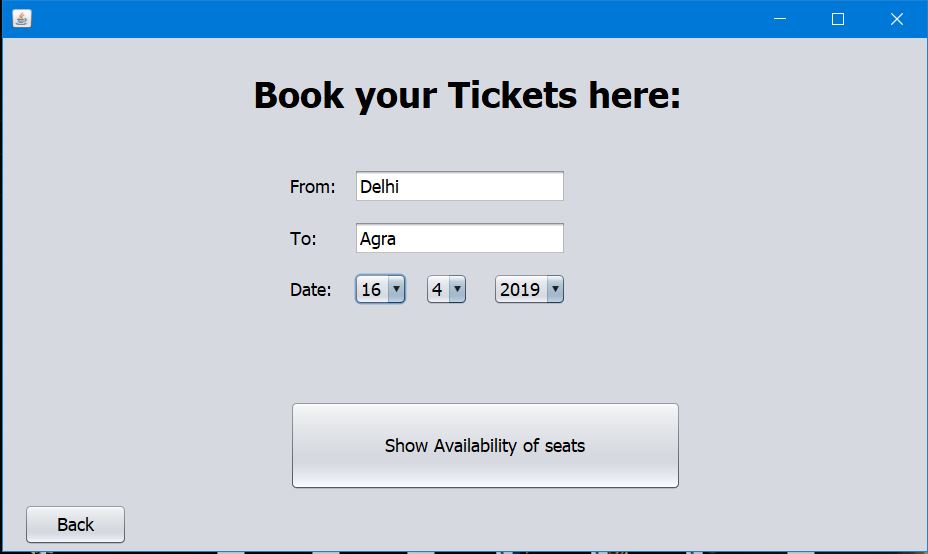
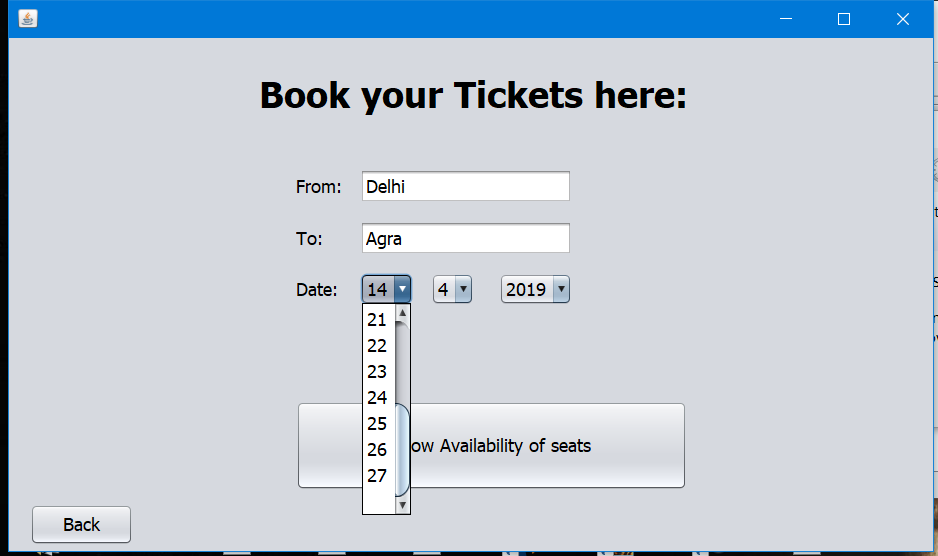
9)Delete from paymentdetails where TicketID='"+ticket.getText()+"';

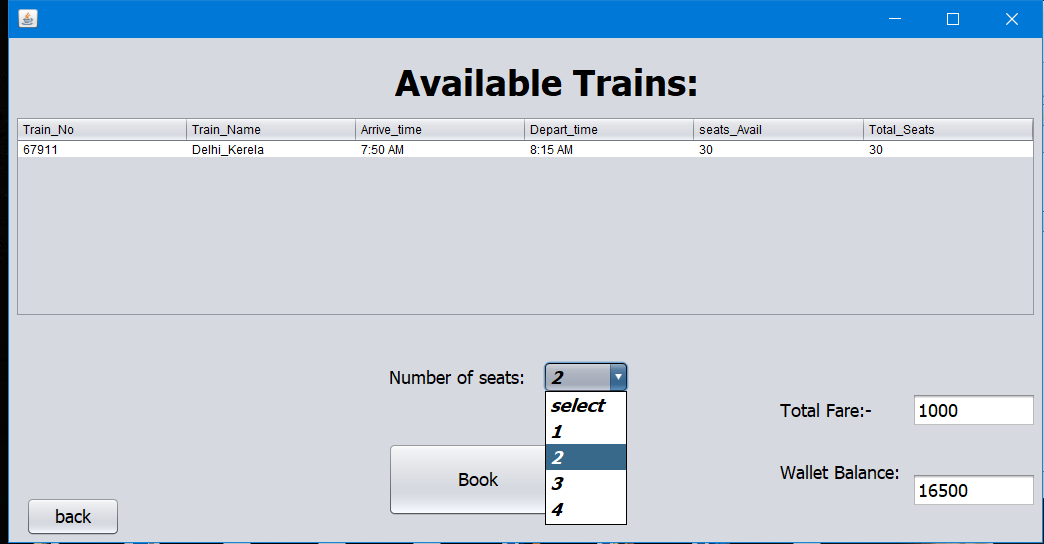
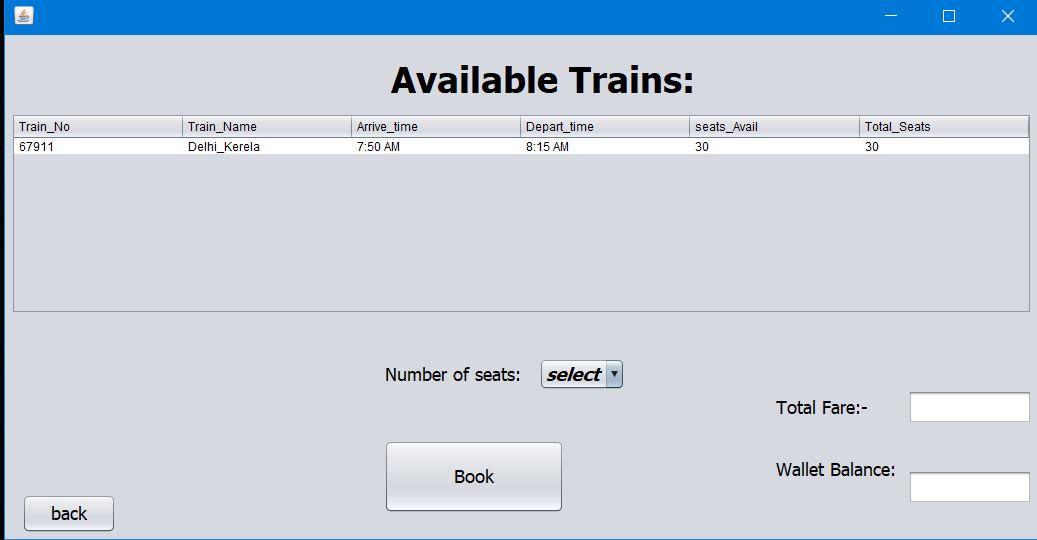
LoginId=nikhil Pass=1234 then click login

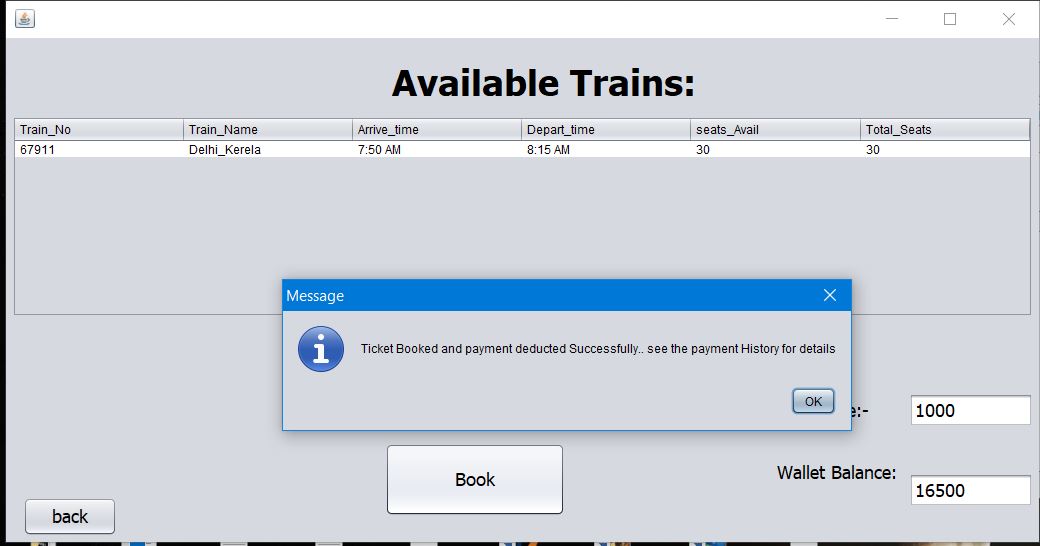
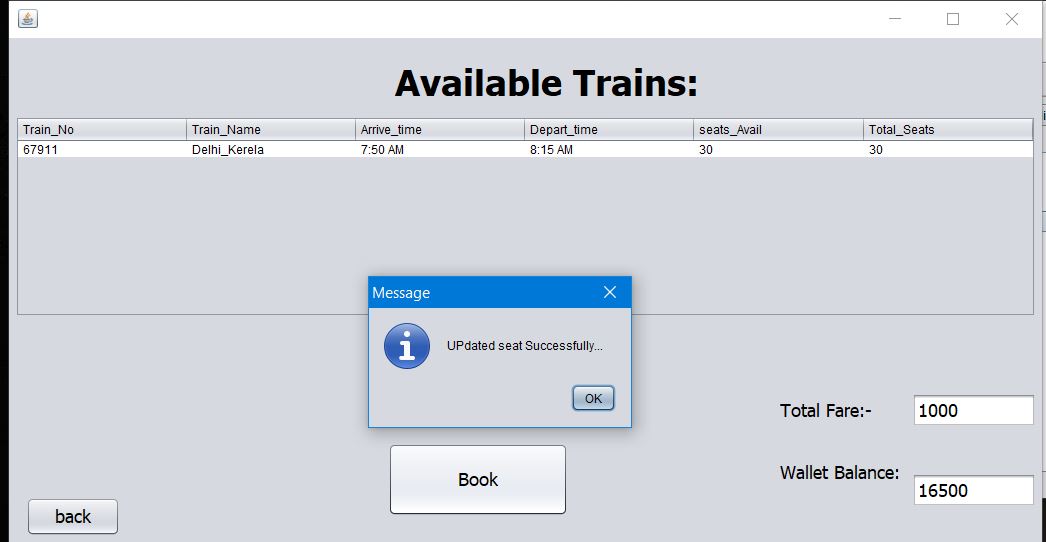
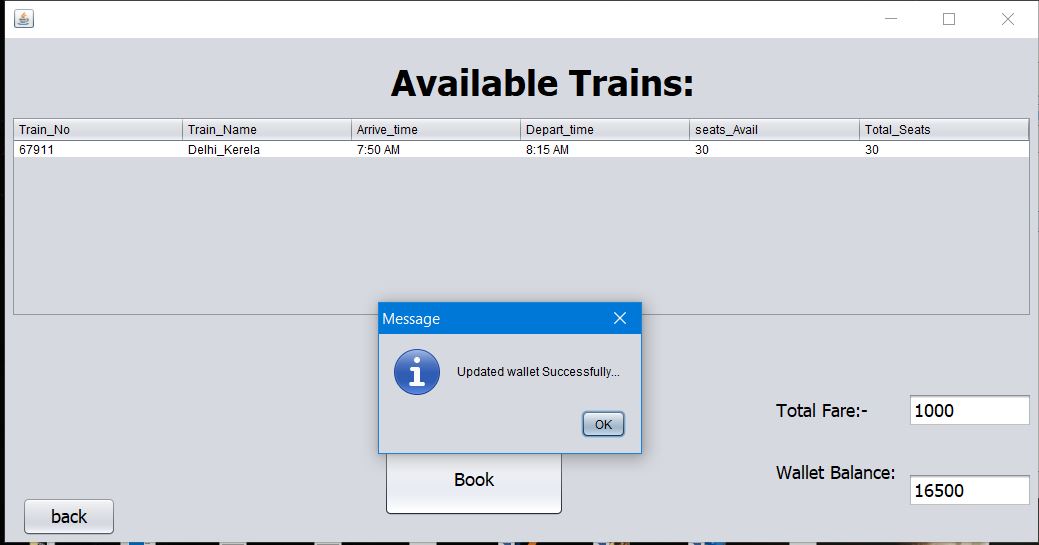


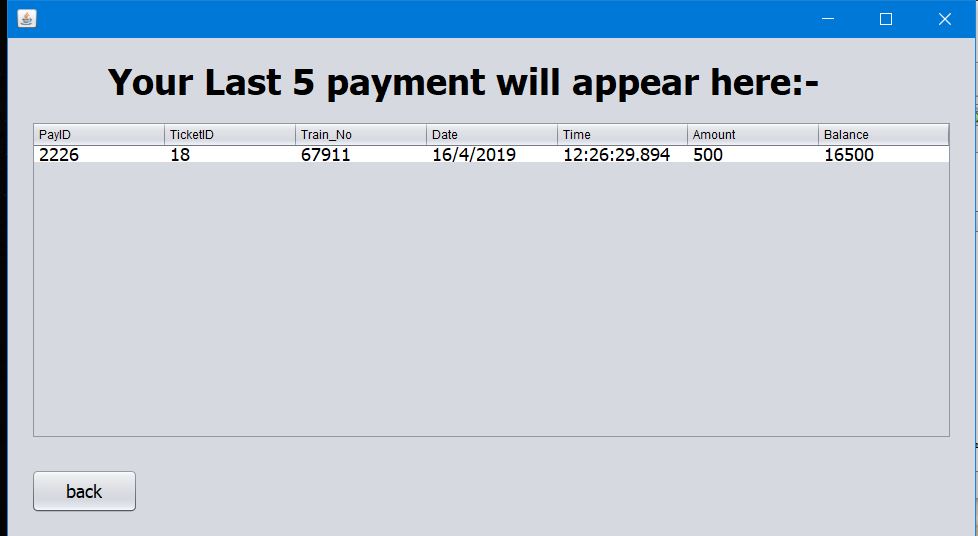
Welcome page with all features:

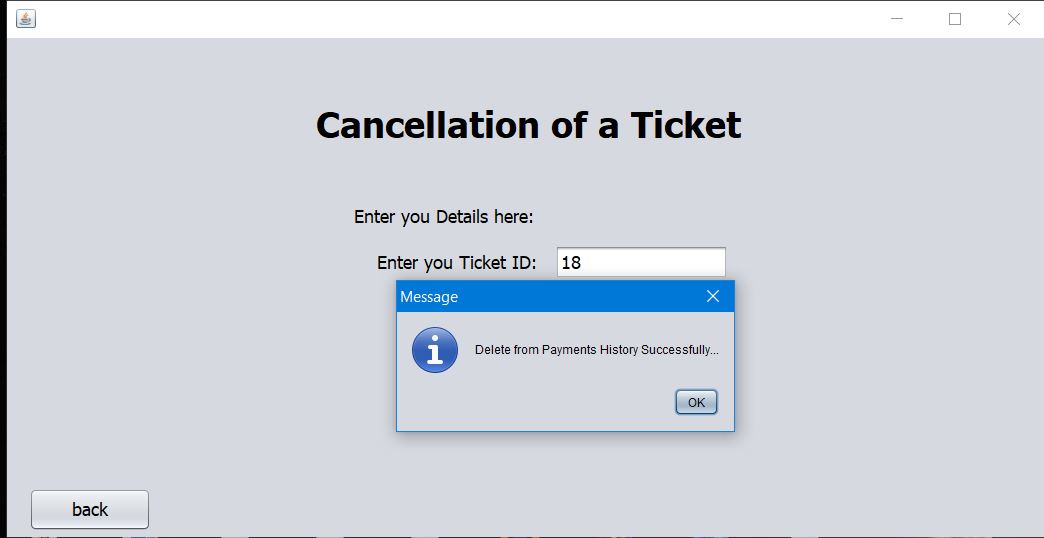
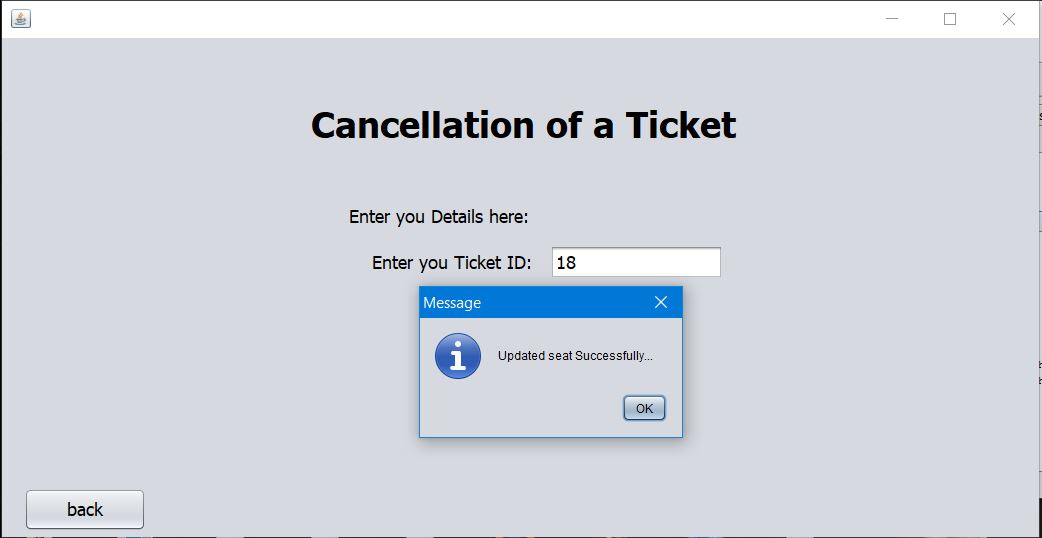
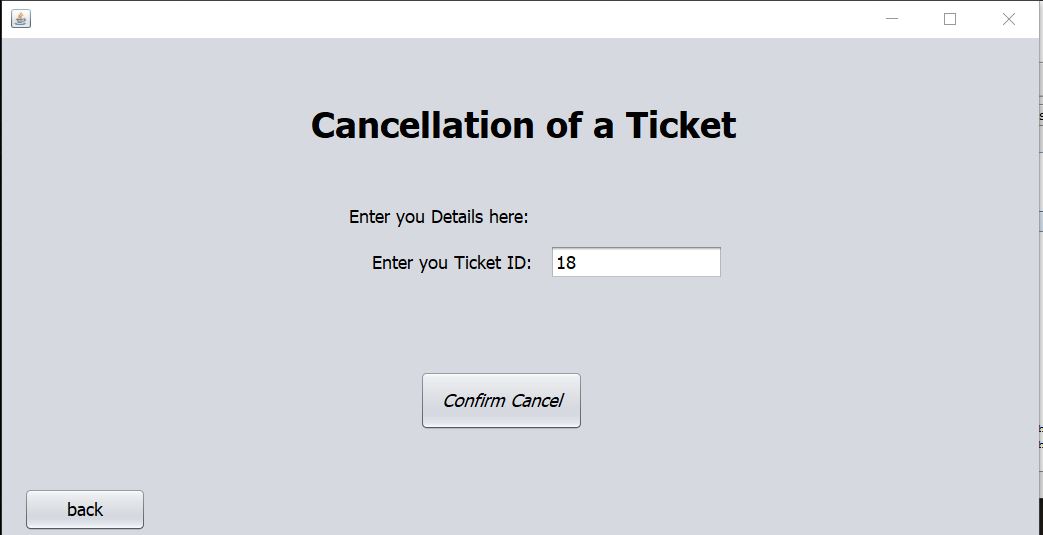
Book ticket, Cancel Ticket, payment History, Check Seat-Availablity

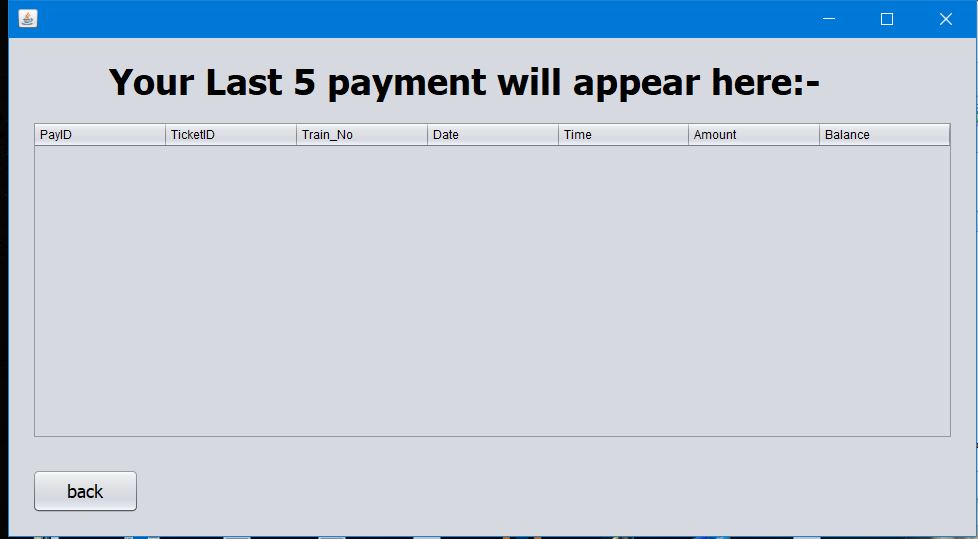
BookTickets from delhi to Agra with distance 1 so the amount will be 500 for every single ticket and you have to set date on which date you want to book ticket this will not confirm book ticket it is showing available trains and it will give you button to confirm and book ticket on next page

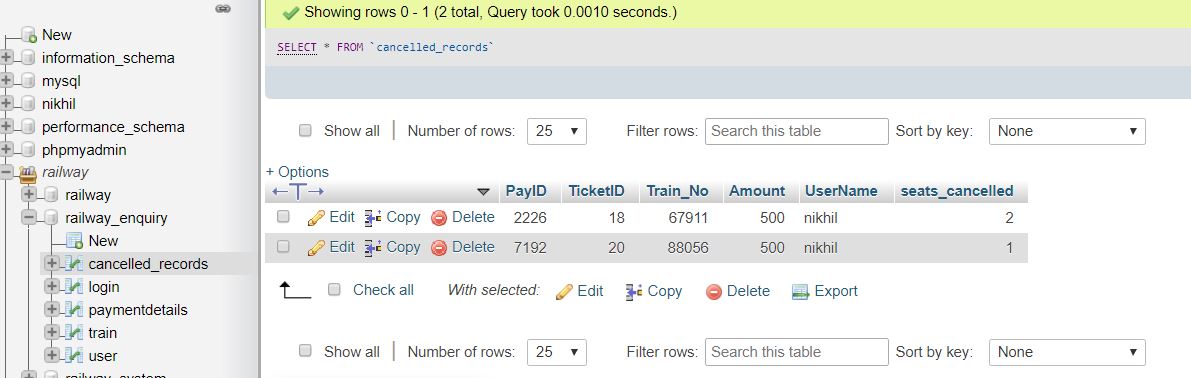
Select number of seats and book seat and it is also give you message if you have insufficient balance 

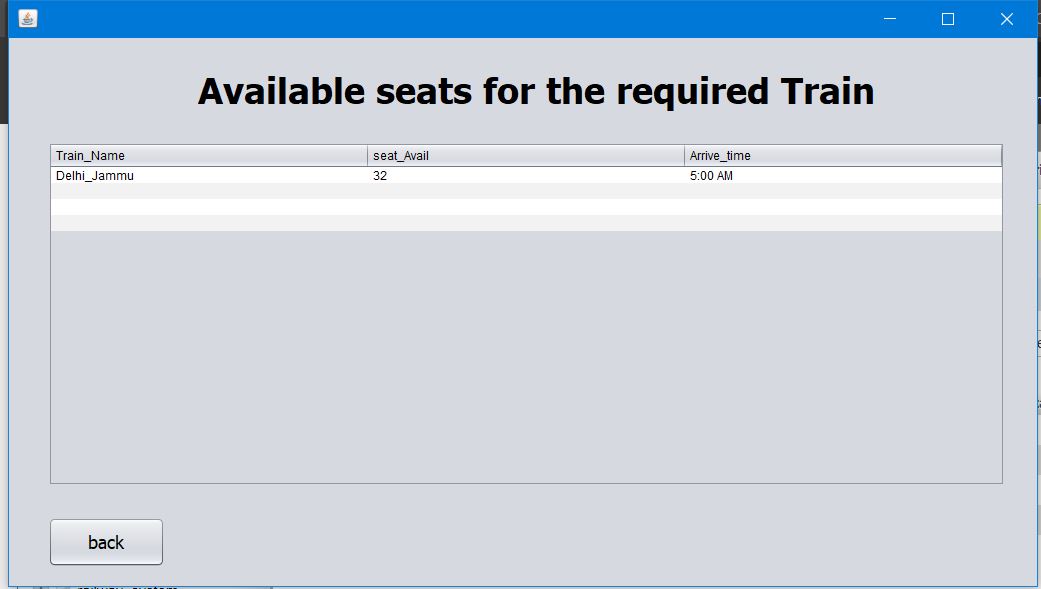
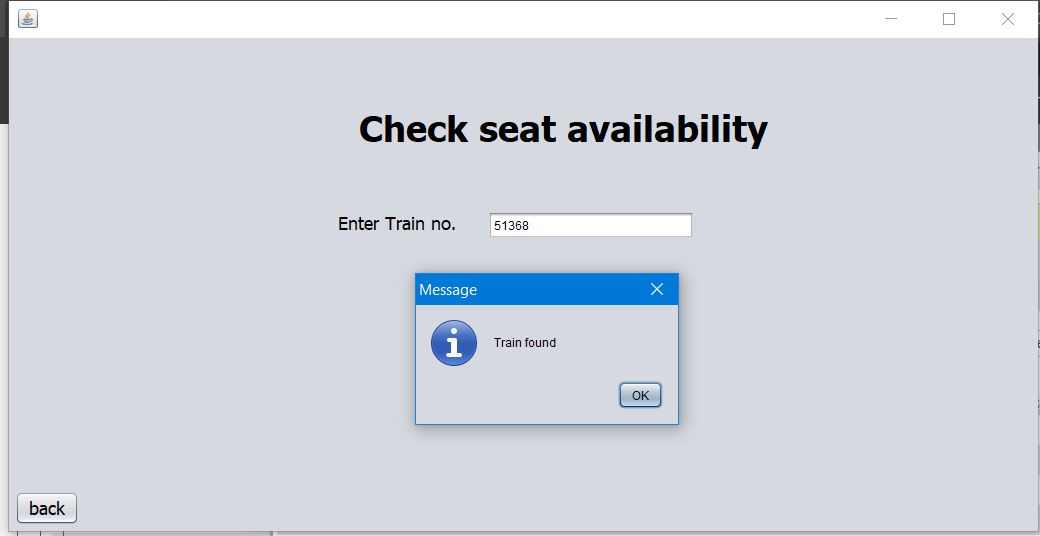
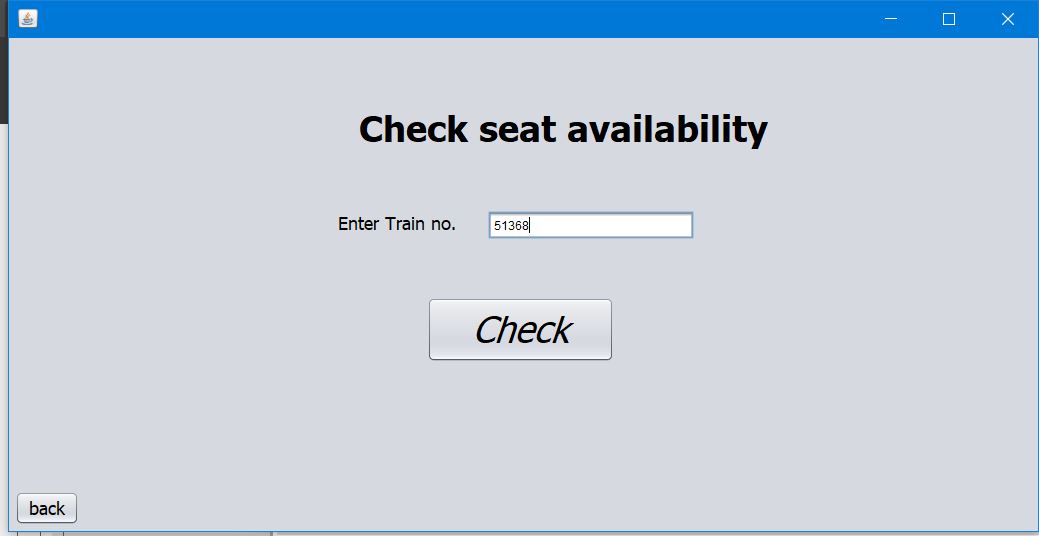


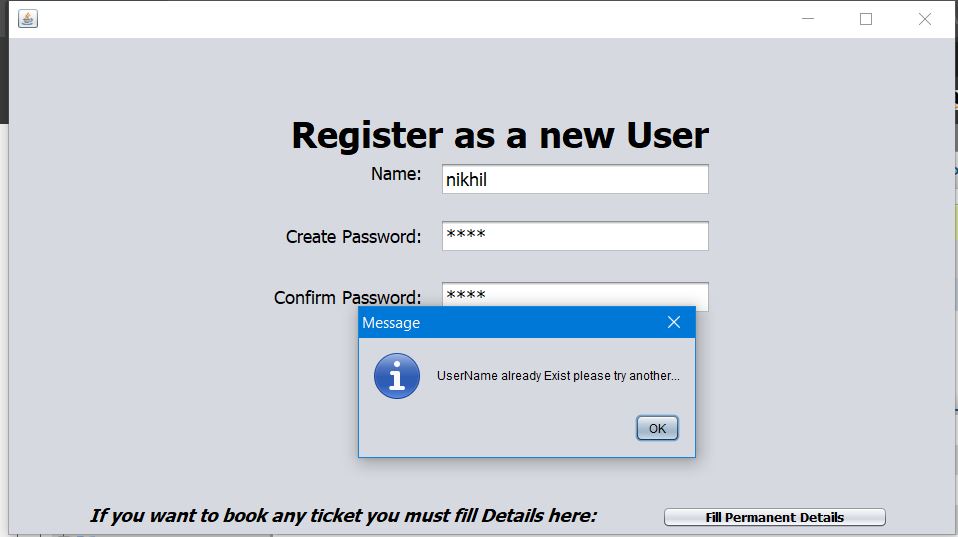
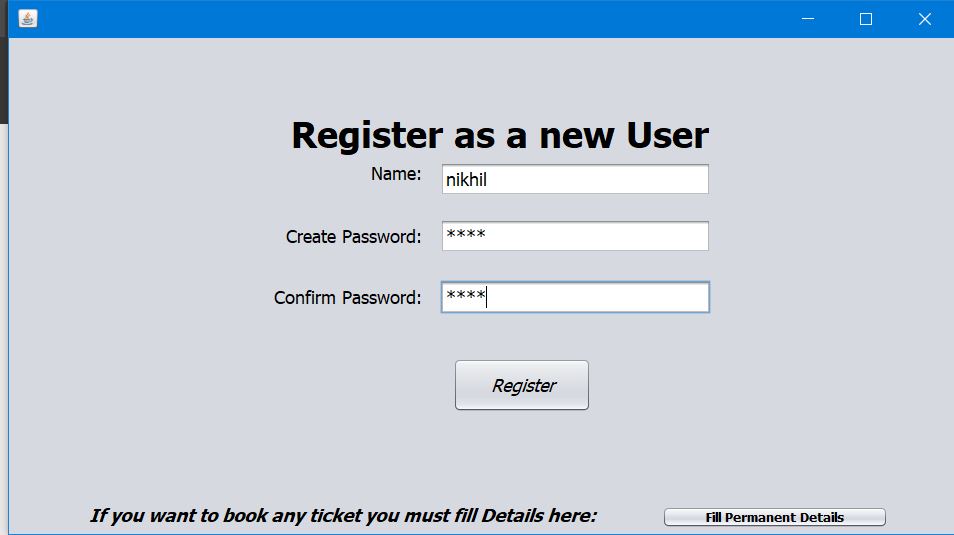
Your last 5 payments will appear here:-

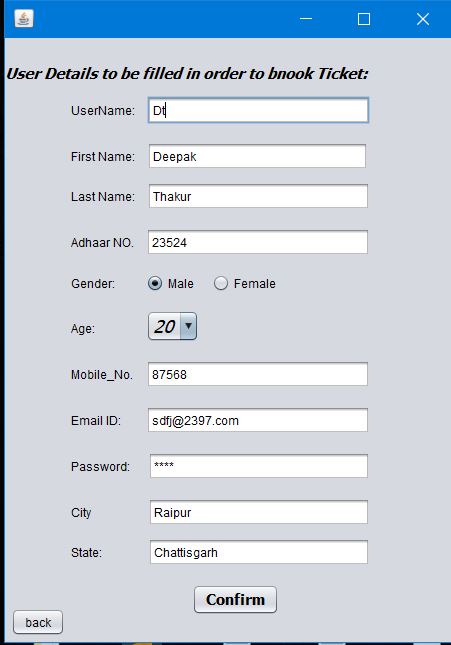
Cancel the booked ticket with ticket id =18

Payment history for that particular ticket also deleted correctly

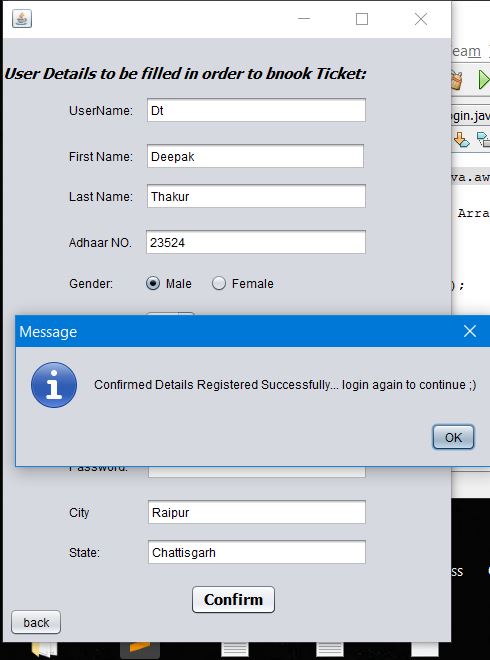
Cancelled records updated successfully in database

You can check availability of seats before booking the tickets

Register new user if already exists then show message

Registering new user details for booking tickets

Confirmation message



Login Successfully 😊