



American International University- Bangladesh

CSC 3215: Web Technologies

CO1 and CO3 Evaluation Project Report Spring 2019-2020

Project Title: Railway Ticket Management System

Section: J

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[Note: Make sure that your report is maximum 8 pages (including cover page). Print (Colored) the report and submit it with spiral bind as well as soft copy.]

CO1 and CO3 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)

Railway Ticket Management System

Introduction:

We insist to do an online railway ticket booking system as our 3rd year project because Bangladesh transportation has so many interrogations. It doesn't have any time schedules or proper services. Normally Bangladesh railway services have manual ticket booking system. Therefore it is not possible to do a railway ticket booking at any time of the day (24 hours). Usually when we are booking our tickets, we need to go to the Railway Station and need to stand in a line which usually very long. So it is a waste of time and money. Further we can not choose our seat in the train. Moreover there is no way to know the trains schedules without going to the railway station. Most of the time we go to the station and do not find our desirable time schedule tickets. These kinds of problems really affect our value of time throughout our daily routines, work, and emergencies. The lack of time may cause many problems. Here I am suggesting web based online booking and tracking system to address and overcome all the above problems. In this system you can complete a booking at any time of the day (24 hours). And the passengers can book their tickets and can select there seat in the train with free of charge for booking from the place where they are. We are using web based technology (PHP[1], HTML, CSS, Javascript), android technology[4] to develop the system. This is the most reliable and efficient solution for railway ticket booking services. I am sure the introduction of this system will be a great solution for all those demands.

Background Study:

Esheba is one of the Bangladesh online ticket booking web site. We can register and then can login and buy ticket. There are also Ticket verifying option. We can directly contact with them. But this web site is not so user friendly and there is no option to select the seat in the train.

Requirement Analysis:

- **User Category:**

There are 3 types of Users here. They are:

- Admin
- Ticket Clerk
- Customer

- **Feature List:**

In this project the “Admin” has the following features:

- Add Ticket Clerk, Train, Station
- Remove Ticket Clerk, Train, Station
- Update Ticket Clerk, Train, Station
- See Customer Information
- .Change Own Password
- Login.

In this project the “Ticket Clerk” has the following features:

- Add Train, Station
- Remove Train, Station
- Update Train, Station
- .See Customer Information
- Change Own Password



Railway Ticket Management System

- Login

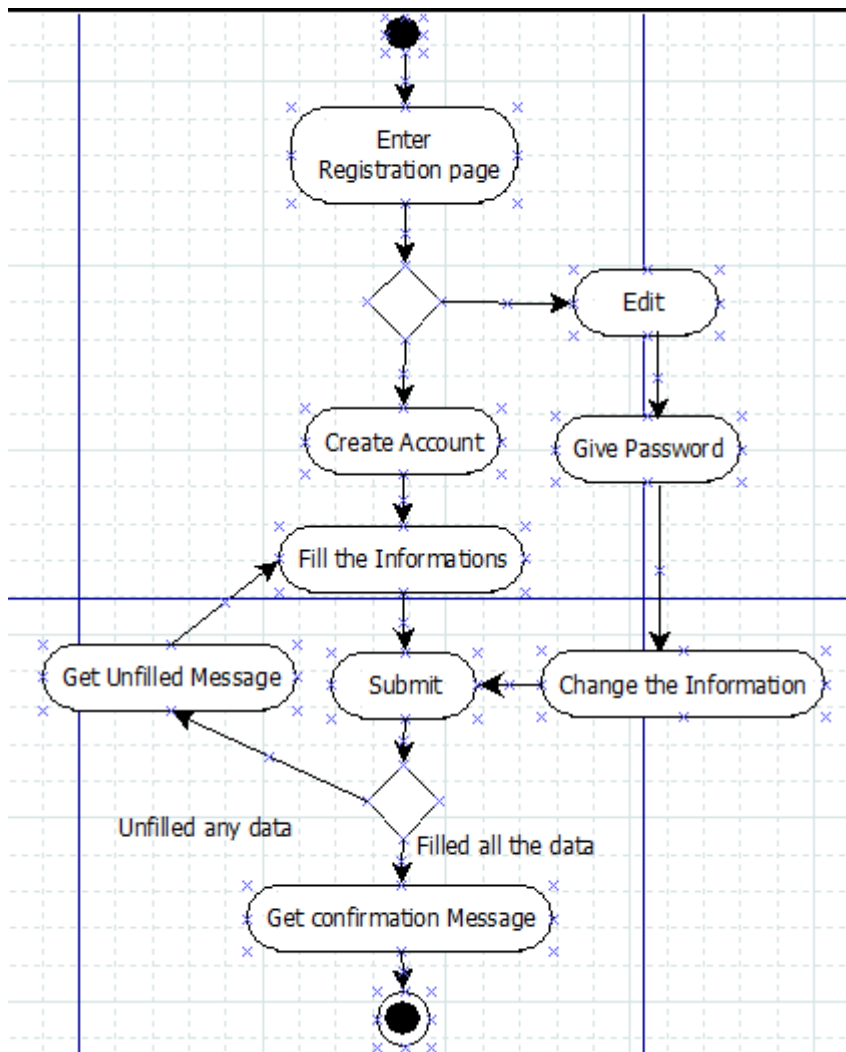
In this project the “Customer” has the following features:

- Create Account
- Login
- Buy Ticket by Selecting Seat
- Cancele Ticket
- Pay

Design:

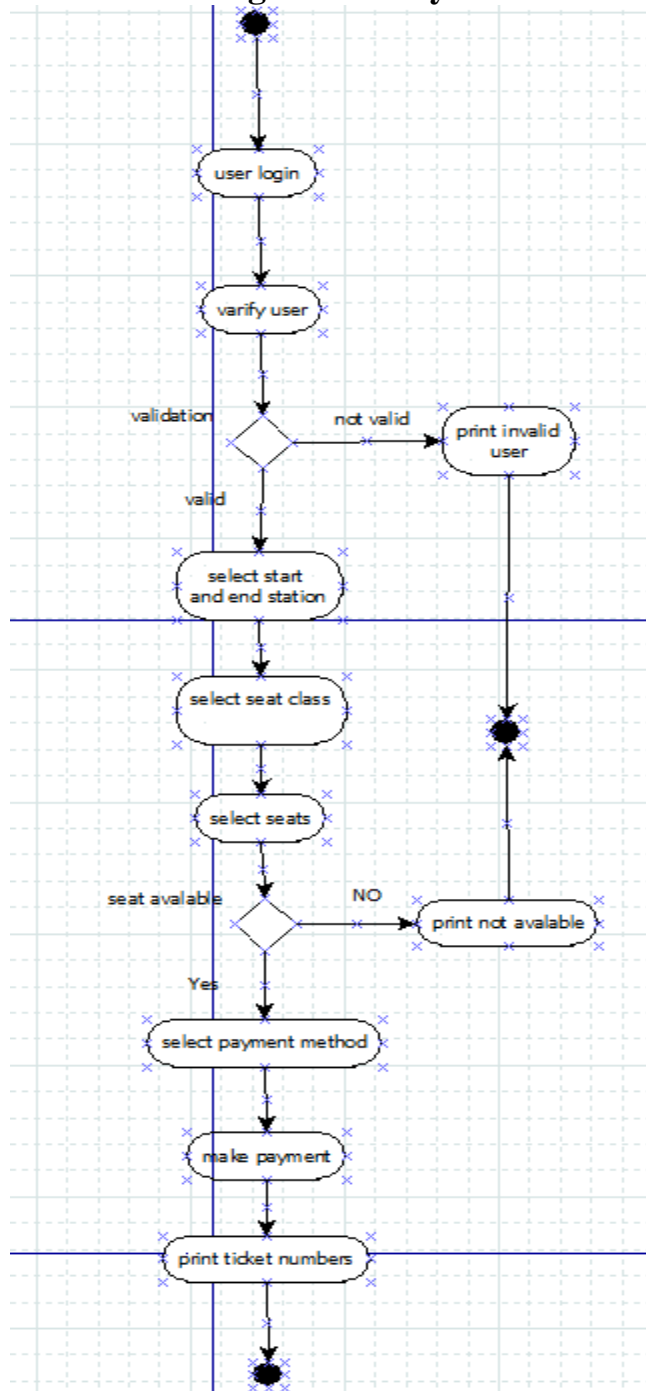
Activity Diagram

1.Customer Registration:



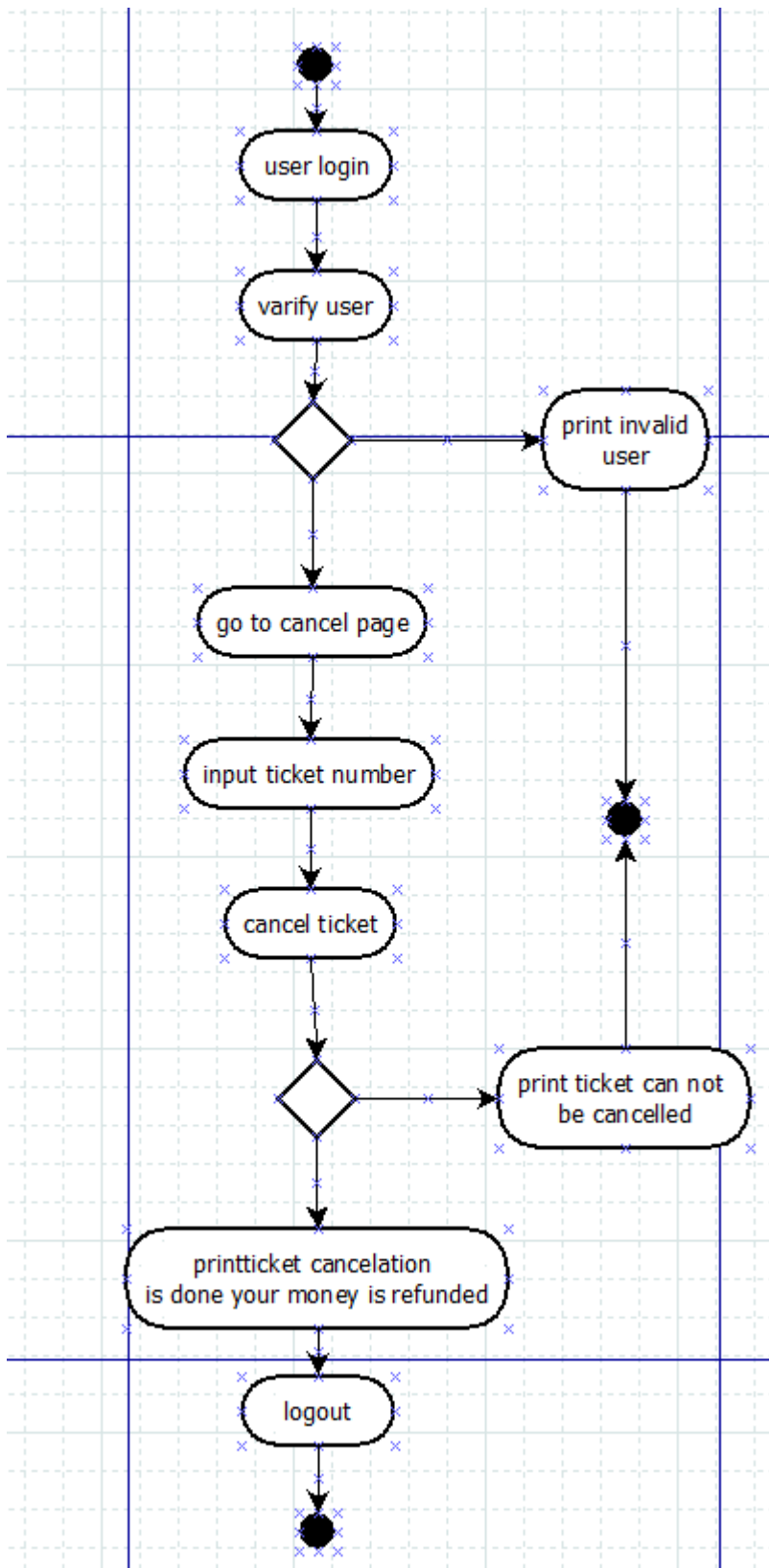
Railway Ticket Management System

2.Customer Login And Buy Ticket:



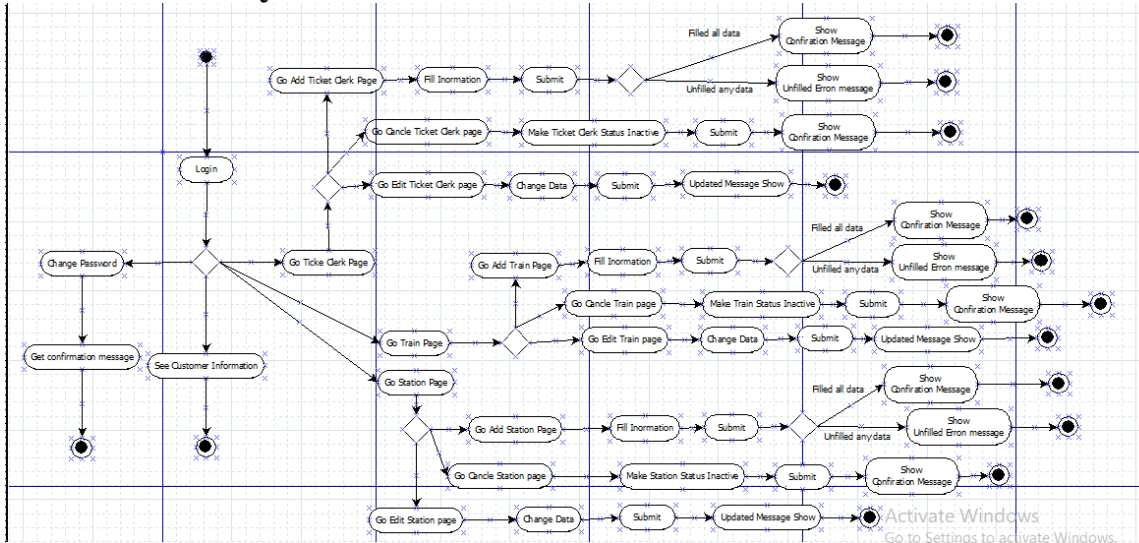
Railway Ticket Management System

3.Customer Login And Cancel Ticket:

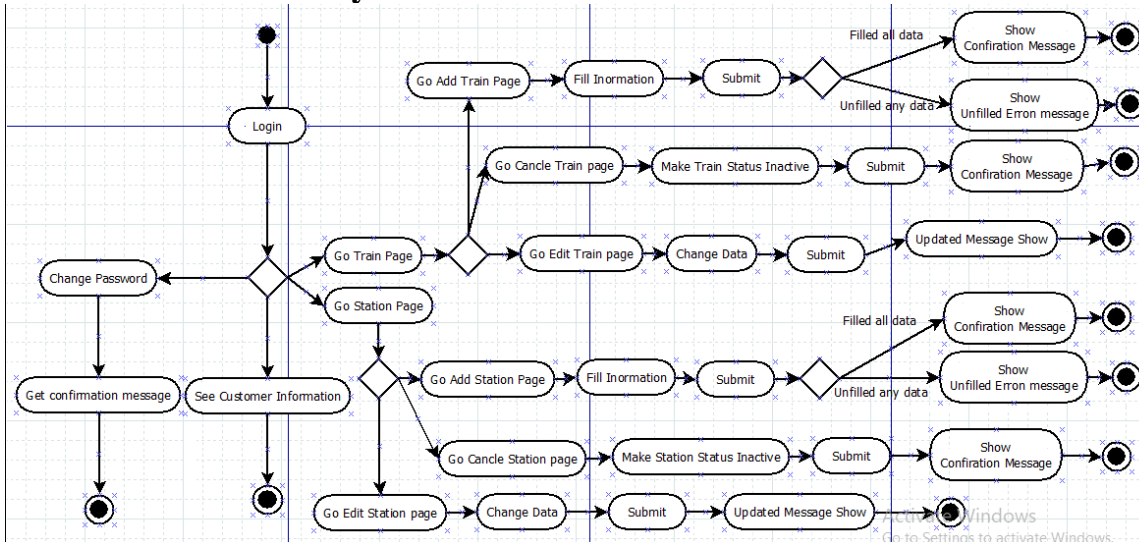


Railway Ticket Management System

4.Admin Activity:



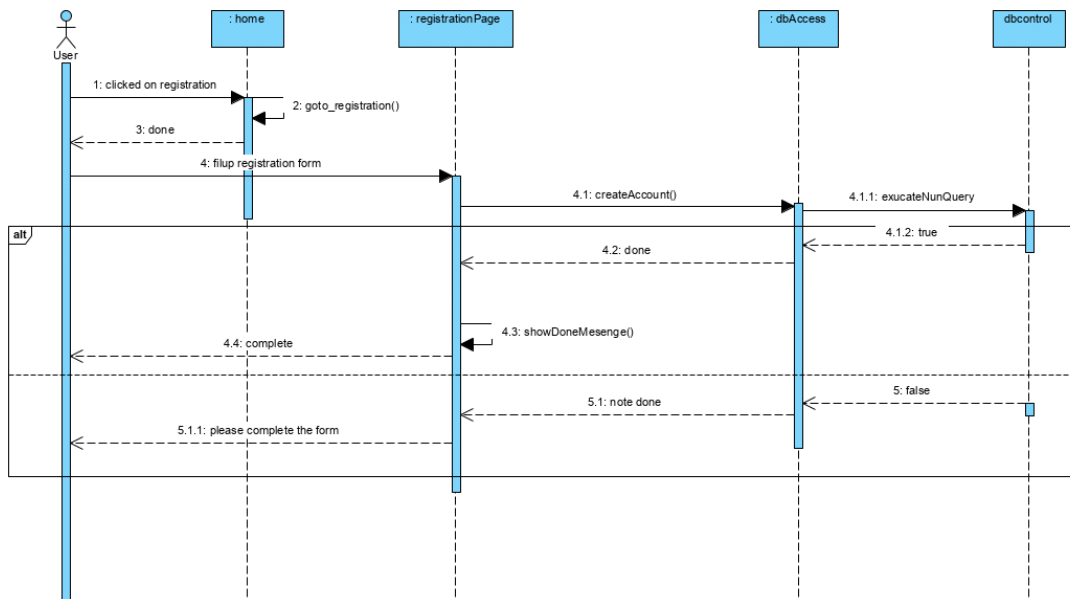
5.Ticket Clerk Activity:



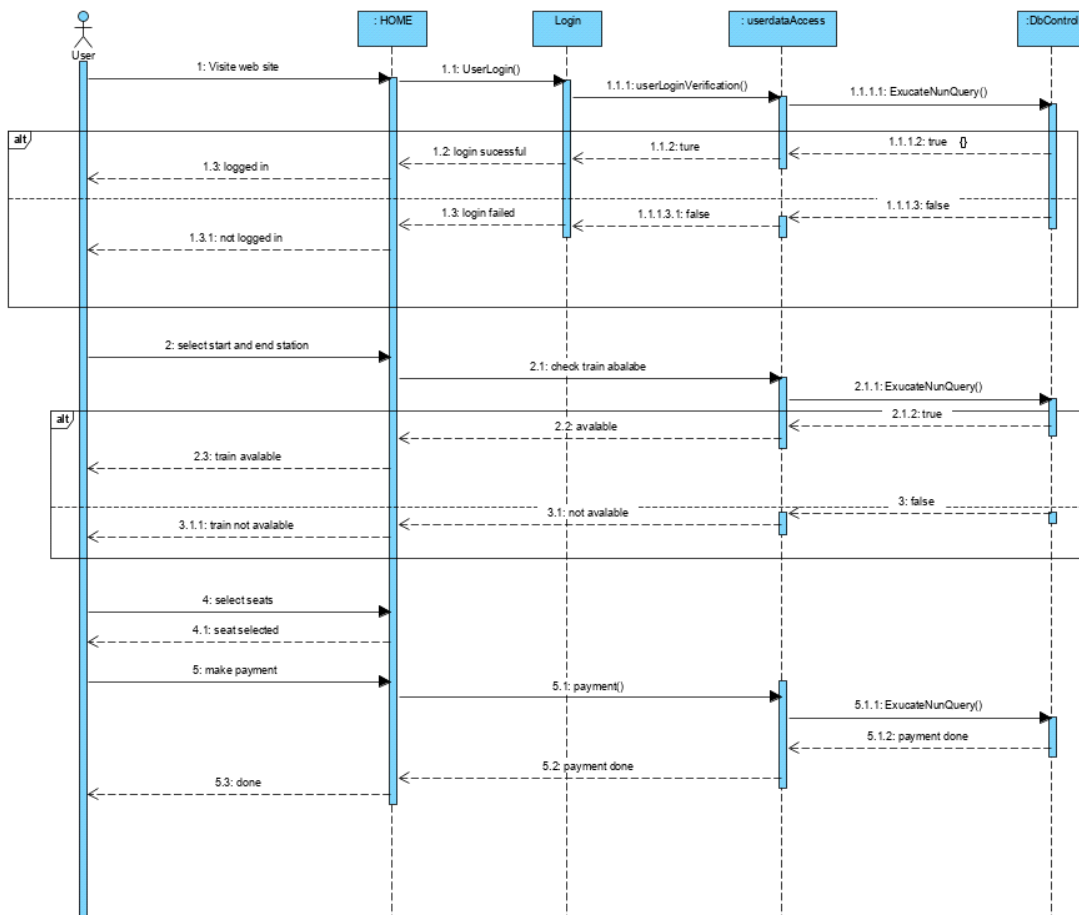
Railway Ticket Management System

Sequence Diagram

1.Customer Registration:

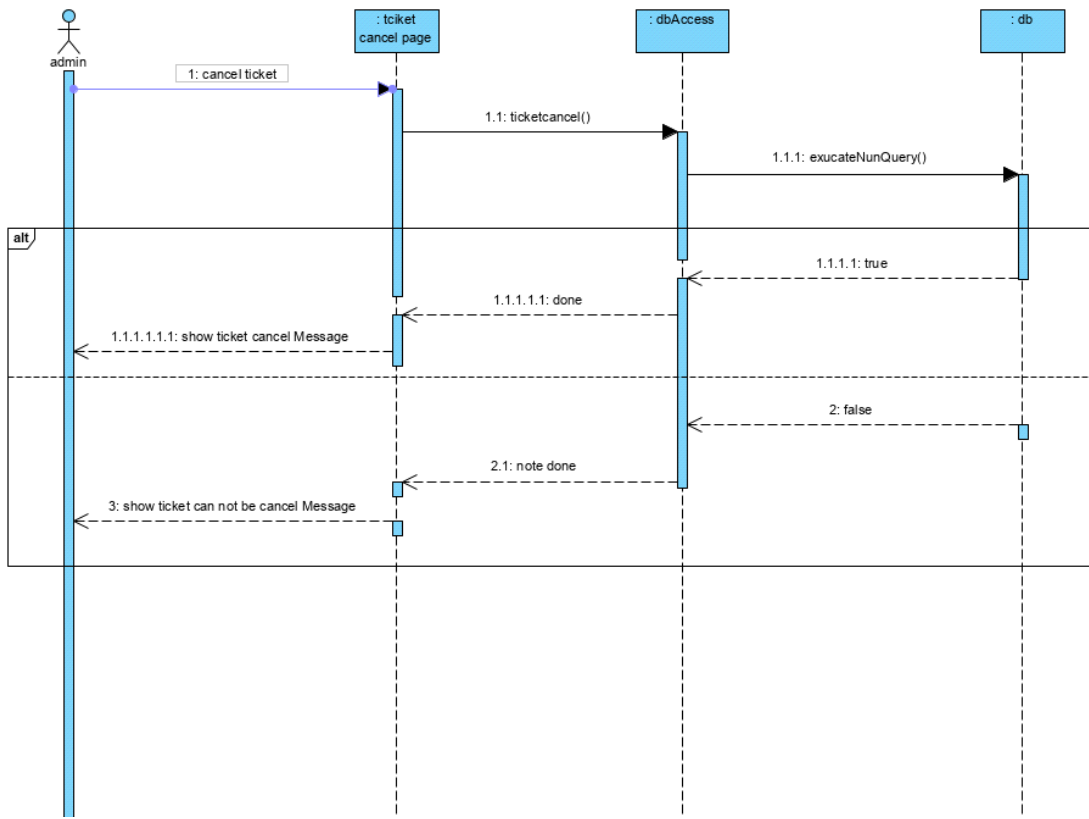


2.Customer Login And Buy Ticket :

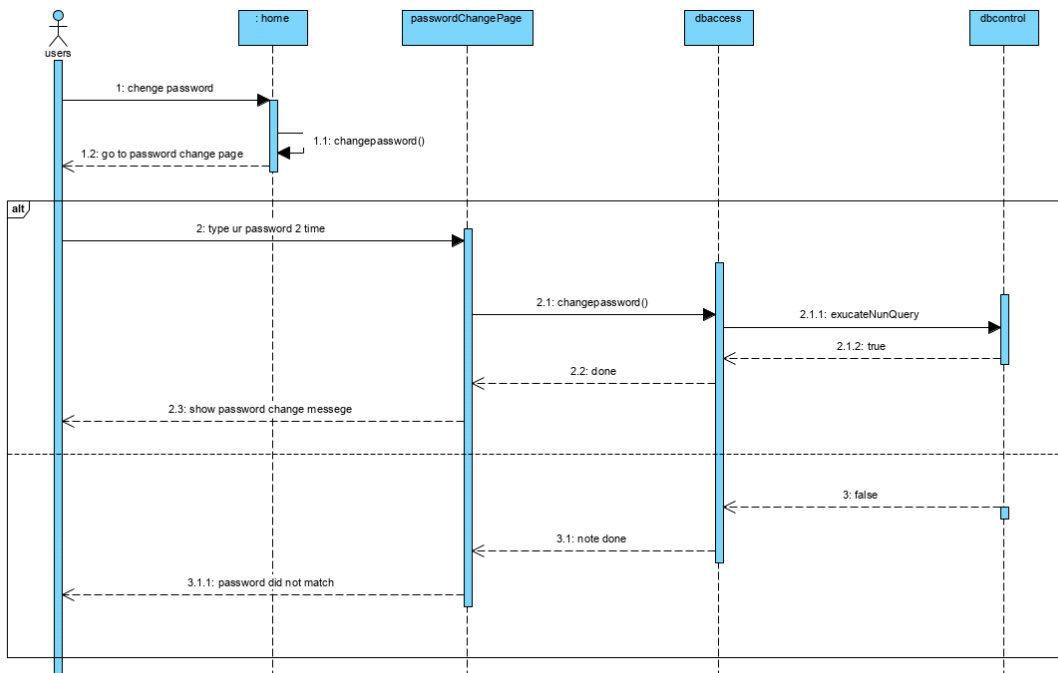


Railway Ticket Management System

3.Customer Cancele Ticket:

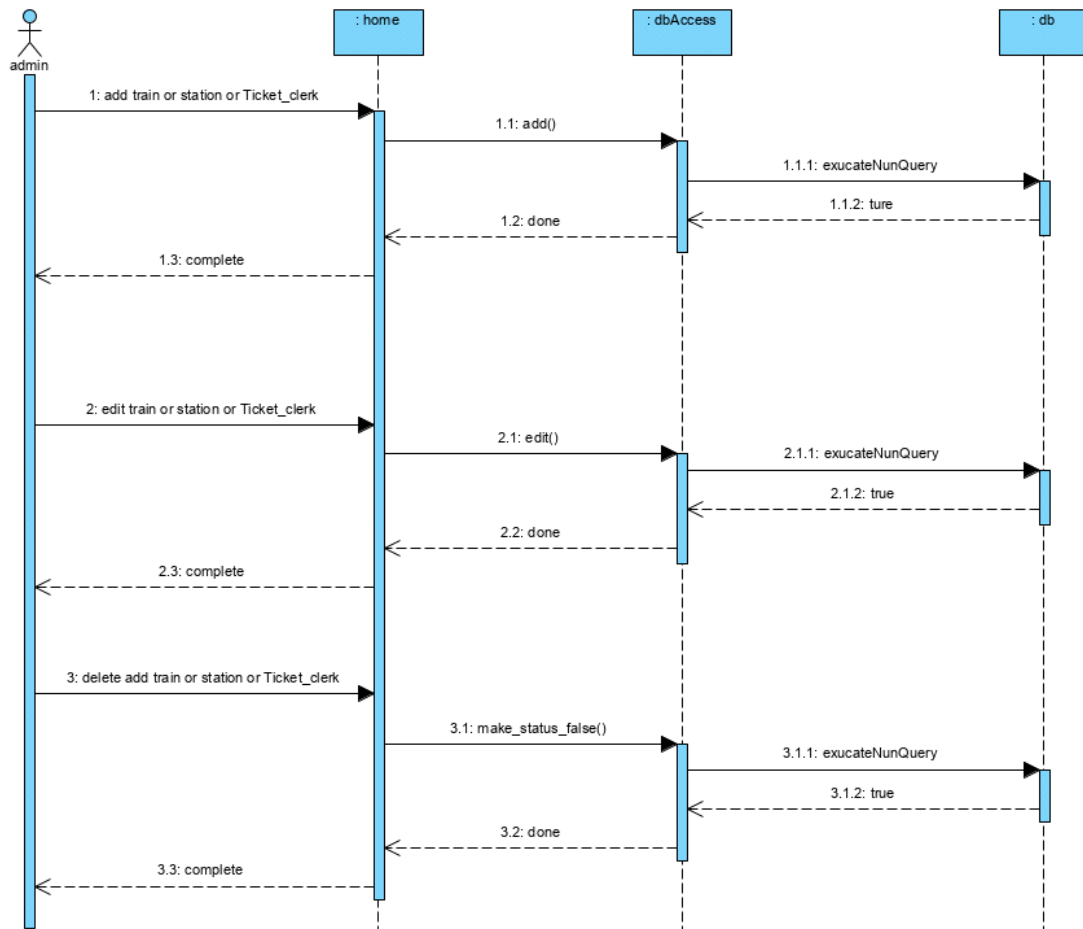


4.Change Password:



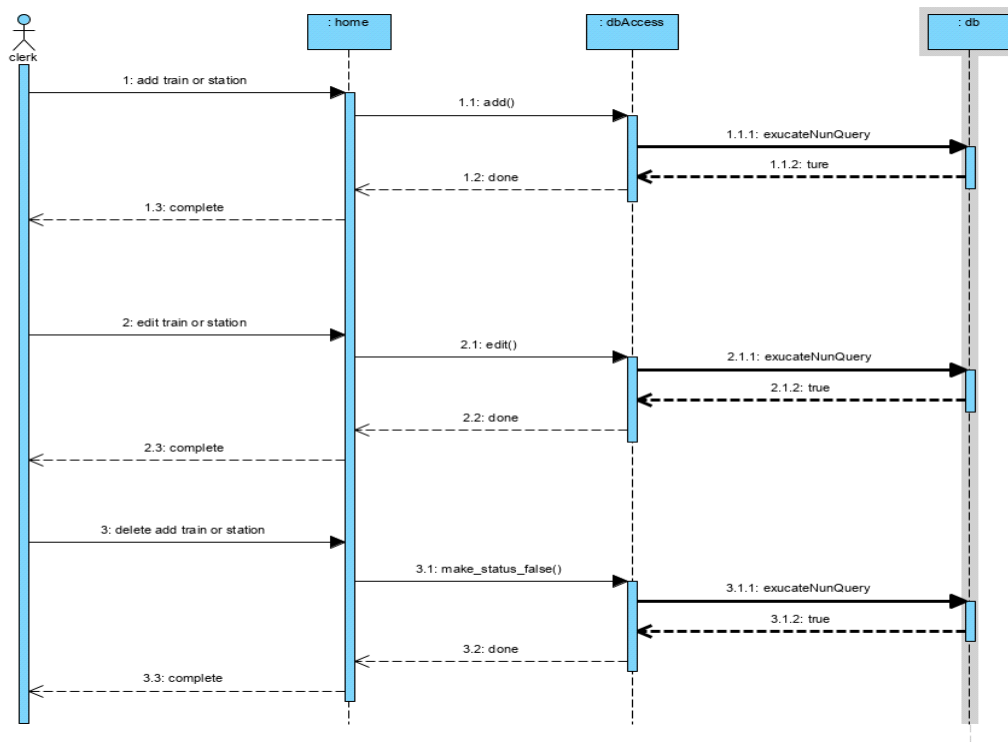
Railway Ticket Management System

5.Admin Activity:

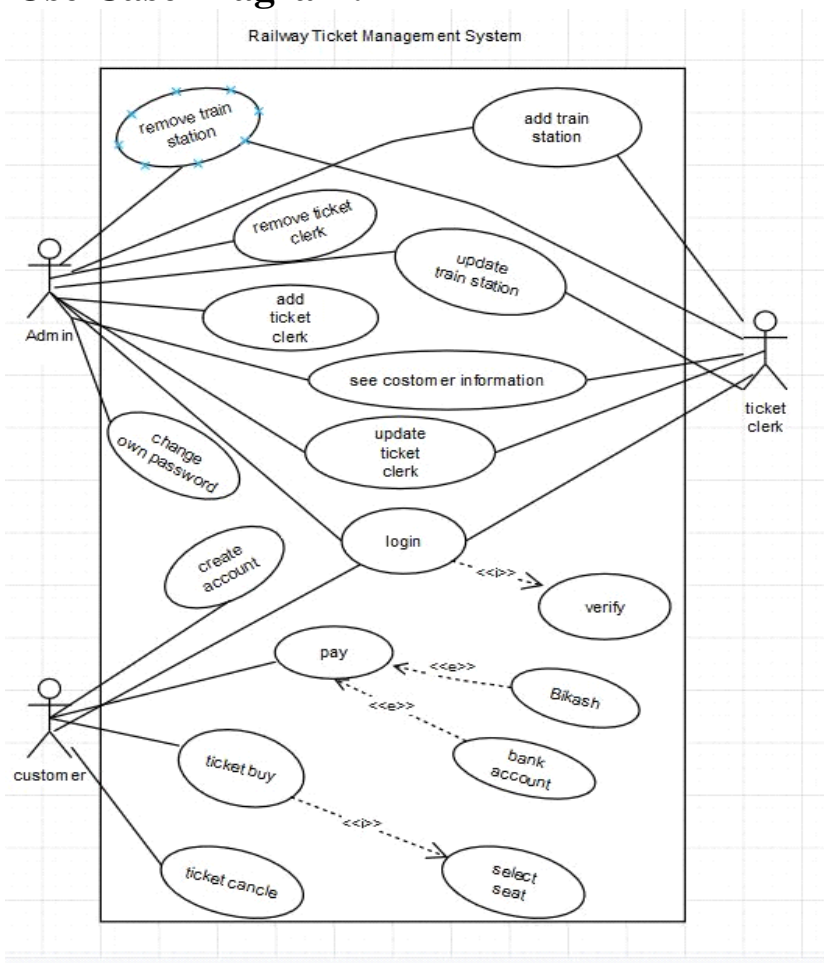


Railway Ticket Management System

6. Ticket Clerk Activity:

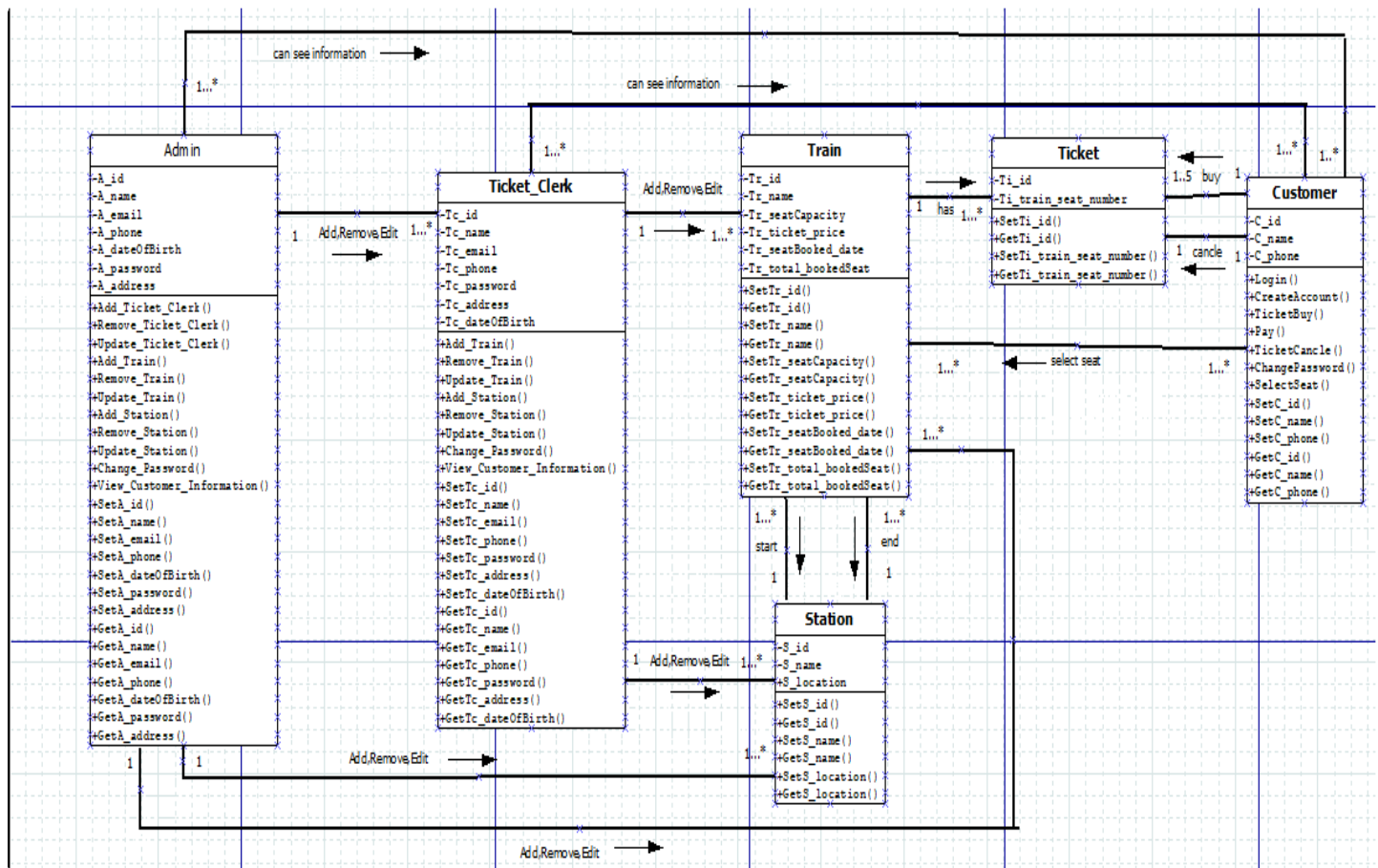


Use Case Diagram:



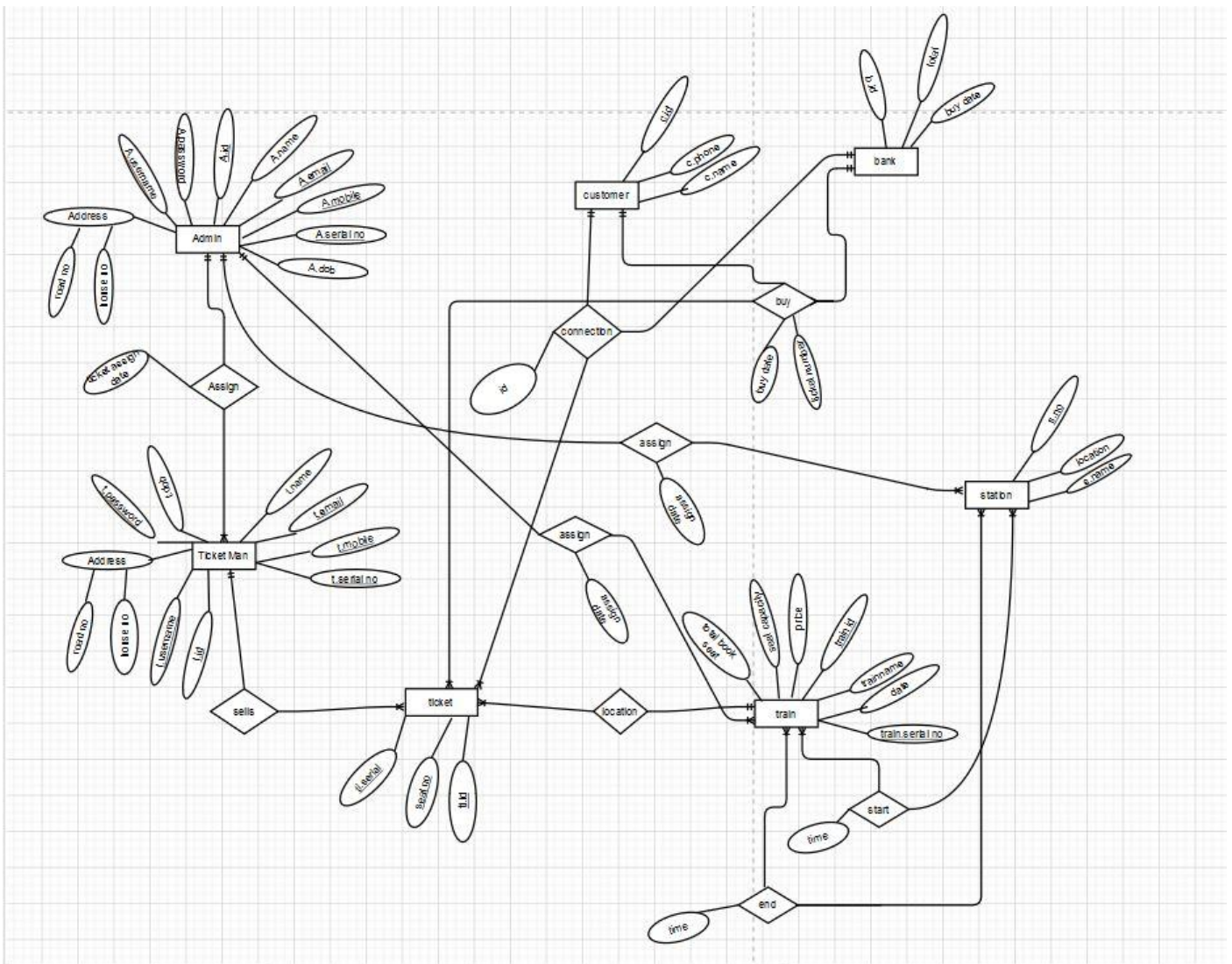
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Class Diagram:



Railway Ticket Management System

Er Diagram:



Tools Used:

To develop this project, we have used the following:

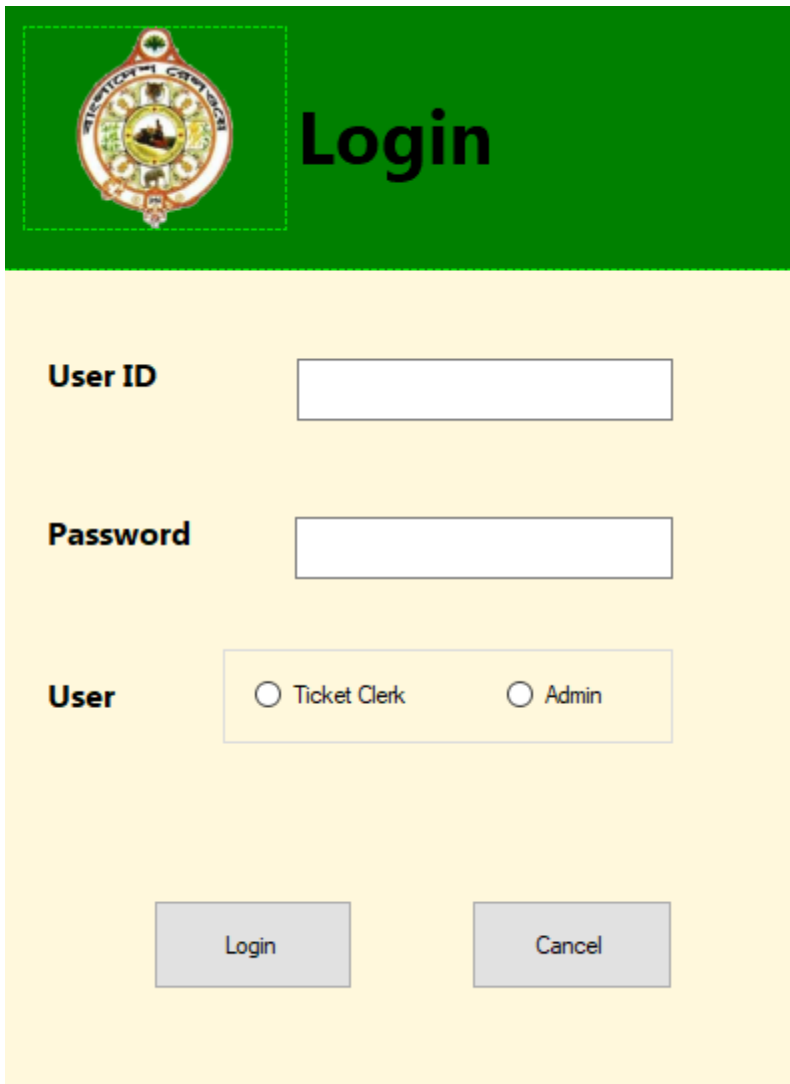
- Sublime Text 3
- Xampp
- Dia
- Google Chrome
- Visual Paradigm



Railway Ticket Management System

System Images against the Specification:

Login page:



The login page features a green header with the railway emblem on the left and the word "Login" in large black text on the right. Below the header, on a light yellow background, are three input fields: "User ID", "Password", and "User". The "User" field contains two radio buttons labeled "Ticket Clerk" and "Admin". At the bottom are two buttons: "Login" and "Cancel".

Login

User ID

Password




User ☐ Ticket Clerk ☐ Admin

Using this page admin clerk can login to the system.



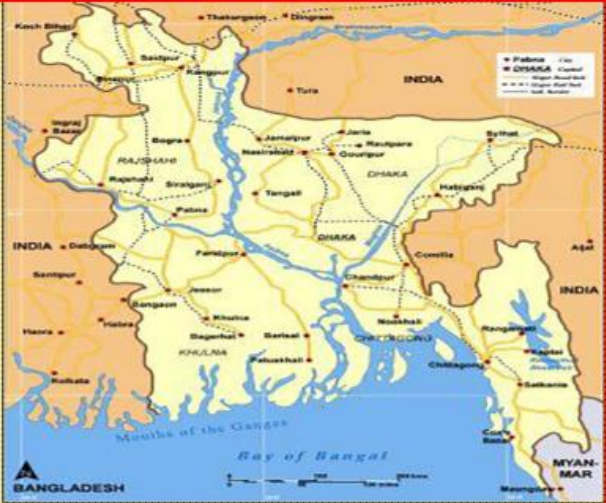
Railway Ticket Management System

Home page:

Home	<h2>BANGLADESH RAILWAY TICKET BOOKING</h2> 
Profile	
 Buy Ticket	
 Cancel Ticket	
Contacts	
Logout	

User home page .where user can interact.

Ticket Cancel Page:


TicketNumber	<input type="text"/>	
Customer ID	<input type="text"/>	
Customer Name	<input type="text"/>	
Customer Phone Number	<input type="text"/>	
Ticket price	<input type="text"/>	
Ticket status	<input type="text"/>	
		Cancel Ticket
		Search
		Back

Customer ticket will be cancelled in this page.And cancellation report will be shown.




Railway Ticket Management System

Ticket Buy Page:

Ticket Price :	<input type="text"/>	
Customer Name :	<input type="text"/>	
Phone Number :	<input type="text"/>	
Numbers of Tickets	<input type="text"/>	
Total Cost :	<input type="text"/>	
<div>Back</div> <div>Confirm Ticket</div>		
<div></div>		
		<div>From <input type="text"/> To <input type="text"/></div> <div>Select Date : Thursday , March 5, 2020</div> <div>Search</div> <div>Create Train schedule</div>

In this page ticket will be bought

Edit ticket clerk page:


 Bangladesh Railway	Name:	<input type="text"/>	<div>Update</div> <div>Ticket Clerk Information</div> <div>Ticket Clerk Serial No: <input type="text"/></div> <div>UPDATE</div>
	Email:	<input type="text"/>	
	Phone:	<input type="text"/>	
	Password:	<input type="text"/>	
	Address:	<input type="text"/>	
	Date Of Birth:	Thursday , March 5, 2020	
	Status:	<input type="text"/>	
	<div>BACK</div> <div>INSERT</div>		
	<div></div>		
	<div>SHOW TICKET CLERKS INFORMATION</div>		

In this page ticket clerk will be add,remove and edited.



Railway Ticket Management System

Edit train Page:



Train Name:

Seat Capacity:

Ticket Price:

Train Status:

Starting Station:

Ending Station:

Starting Time:

Ending Time:

BACK

INSERT

SHOW TRAINS INFORMATION

Update Or Delete Train Information

Train Serial No:

UPDATE

DELETE

SHOW STATIONS

In this page train will be add,remove and edited.

Show seat and ticket number

Tickets numbers and Seat numbers

Close

In this box the ticket number and seat number will be showed.



Railway Ticket Management System

Impact of this Project:

Online Railway ticket booking is really efficient and reliable because people are busy through their work therefore they can't waste their time by going to the place where they book train tickets. So online booking is suitable for all of them to book the ticket from the place where they are.. In this system you can complete a booking at any time of the day (24 hours). If you're already reserve your seats and tickets you will be mentally relieved. You can even select your seat as your wish. Mostly women really need safety and comfort. They could even travel during night without fear. You don't need to wait standing at the station for long time at day or night. Patients and handicaps could travel safely. Online system will make regulations. Pursuit of online bookings will begin to make people feel safety and comfort. It was difficult for commuters to travel to distant places without break into at one or two destinations. But now our system will produce a verdict for above problems. We can truly argue that online railway ticket booking services will make a revolution.

Limitations and Possible Future Improvements:

We cannot add more features because of time limitation. And this stage we only have knowledge about html,css,php,javascript,mysql database.so we can add many features in future after learning bootstrap,json,api and many more we can more dynamic design and features to our web site.

In future we will add password changing option by email. we will add smart card option so everyone can buy ticket using smart card and payment system using smart card. we will add train current location show on user account. notification alert options by email or phone numbers.

References:

<https://www.esheba.cnsbd.com>

