



Rail Way Reservation Management System

By

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(171-35-1906)

A project submitted in fulfillment of the requirement for the degree of

Bachelor of Science in Software Engineering

DAFFODIL INTERNATIONAL UNIVERSITY

Department of Software Engineering

Fall-2017

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DECLARATION

it here by declare that this project – “**Rail Way Reservation Management System**” under the supervision of Dr. Md Asraf Ali, Associate professor of Software Engineering, Daffodil International University. It is also declared that neither this project nor any part of this has been submitted elsewhere award of any degree.

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ACKNOWLEDGEMENT

As per the schedule of the course of B.S.C The project work is must for each and every student in different organization. During development period, the student has to develop software and implement it successfully. We are the student of B.S.C in Software Engineering at Daffodil International University. First and foremost, we are thankful to Almighty Allah for his blessings on us to contribute to the knowledge of world. It is a matter of great pleasure for us to this opportunity expressing our sincere sense of gratitude to Dr. Md Asraf Ali for giving us precious guidance, inspiration and great support throughout the project development. We are especially thankful to him for his kind co-operation. We are thankful to respected Dr. Towhid Bhuiyan for giving us opportunity to do this project. His Inspiration and generous support gave us sufficient strength to prepare the project. We are also thankful to respected Dr. Yousuf Mahbubul Islam (honorable Vice Chancellor , Daffodil International University) & Md Sabur Khan (Chairman of DIU) whose energetic support, guidance and inspiration gave us a vast path to the success of this project. Only the expression of “Thanks” can’t appreciate these wonderful and kindly natured persons who contributed their best efforts to help us. Thank You to all of you with honors.

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Train Reservation System

ABSTRACT

Background: train reservation system is a managing system where customer can purchase, booking and cancel tickets in online. There are many software in the market for online booking system but most of them are inactive. Now people must have to go counter and purchase tickets. But they can't purchase it from home.

Objective: The main objective of this project is to build a software to maintain bus ticket booking, purchase and canceling so that all work can be done in a short time and in single software.

Method: Passenger can see the train schedule, route name, destination, remaining seats, date, time.

Manager can see purchased ticket list, booking tickets list, purchase tickets from booking tickets list and also can see the profit of every bus after inputting the cost of driver and other cost he will get the exact profit for a bus.

Result: Passenger can purchase and book ticket after watching train schedule and can cancel bus tickets.

Manager can view the purchased and booked tickets list and the profit for every bus.

Conclusion: Any train company can maintain both management and ticket booking system by using this software.

CHAPTER 1: INTRODUCTION

This project will give us the information about railway reservation. This system is basically concerned with the reservation and cancellation of railway tickets to the passengers. To be more specific, our system is limited in such a way that a train starting from a particular source will have a single destination. The basic functions being performed by our system are reservation and cancellation. Customers can find the proper and correct information about the railway and shows the It reserves and cancels seats for the passenger. It contains information about the trains. It contains information about the Seat Availability Railway time table Reservation Possibilities. Train Ticket Status, Train between stations.

1.1 Background

Online rail ticket reservation system has made the life much easier for people because they can sit at their living room or office and book tickets in no time. Booking rail tickets has never been so convenient. Simply search for the best train and select the source and destination for buying rail ticket online. Get a printout or retain your client's PNR number. Not only you can check the train status online but also find the current status of PNR number. All you need is just a computer and an internet connection to book tickets. Tickets are now on the comfort of your home or office. With the Travel E-Point online support you also enjoy the benefits of comparing prices, availability and duration of different trains.

1.2 Motivation of the Project

The motivation for designing this booking ticket application came because I love

Online. Online booking rather than spending lot of time at physical station. At any time at any where we can booking ticket by using this system. But in real life when we want to travel, we must goes to the station to book ticket. This is so painful for us & this is not easier for us.

1.3 Problem Statement

Rail is one of the best way to travel. In Bangladesh all middle class & lower class Family use train to travel. it is so difficult for them to booking ticket at station timely. This is the important issue for us. For this we feel necessary an online ticket reservation system. So that passengers cannot face discomfort.

1.4 Project Question

1. How much passengers book ticket?
2. How many schedule in this system?

1.5 Project Objective

The objective of the project is to make an application in android platform to purchase ticket in an existing station. In order to build such an application complete web support need to be provided. A complete and efficient web application which can provide the online booking experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

1.6 Project Scope

The needs of current project are as follows:

Day by Day Science implement our daily life. Without Science we cannot Imagine ours. Science also Implement our travelling side. In current age when any one wants to travel, he must book his ticket for his own destination. Using a system we can book ticket without facing any kind of problem. This system can makes our life so easier.

1.7 Project Organization

In First chapter I mainly discussed how the program works. Background of online reservation also background of my project (online train reservation) is described in Background

part, how I marked this, its objective and many more.

In Second chapter I mainly discussed its methodology that how it works with many things that I used to manage the program. All of this are done with screenshots of the project required part.

In Third chapter I mainly discussed its result and discussion or OUTCOME. With what to press to do what.

In last chapter of fourth chapter I discussed about future plan or Recommendations. That what is my future plan with this software. What a want to add this in future. And at present what can I do with this project.

CHAPTER 2: LITERATURE REVIEW

This is online railway reservation system. When I implement this system I saw many systems in internet for booking ticket. In internet I saw those systems full of various feature. My system is dynamic. When passengers book ticket, system automatically decrement seat number.

Today all reservation systems in real time are computerized. All transactions of railway reservation can be done through software related to railway reservation.

Today user wants to do transactions firstly so they can use software or system for store information access the information. So we have developed such a software, they can help them. According to analysis of many sites and reservation system we put all the facilities that can help the users to get reservation. Facilities like reservation, cancellation of tickets, get the distance between cities and etc.

CHAPTER 3: METHODOLOGY

3.1 ADMIN

This is an online reservation system. In any kind of system there must have an admin. So, in this software system has an admin. Who control admin panel. Admin can change everything in this this system.

3.1.1 LOG IN

All kind of system admin must log in. so that any one cannot harm the system. In security purpose login must. Only admin knows the password. Password cannot changeable.

3.1.1.1 INCORRECT

In this system if admin or any one input wrong password he cannot browse the system.

If admin forgot the password so the he can found the password in source code password function.

3.1.1.2 CORRECT

If admin input correct password so the he can Browse the system. He work correctly all the feature in admin panel.

3.1.2 ADD TRAIN

in add train function at first system asked admin,” how many train he wants to add?”

if admin wants he add 2 trains in the system then he input ‘2’. Then system said admin input the 1st train details. Then input train serial number, train number, train name, then start place, destination place, then input price only one seat, then total number of seat in the train, then set time when train leave the station. 1st train details already input successfully. Then admin input 2nd train all details. When admin successfully input all train details then system asked him, “confirm train or not?” if admin would like to

confirm the train he must input '1'. Else if he would not like to confirm the train then he input '0'.

3.1.3 DELETE TRAIN

In any kind of incident admin has necessary to omits train schedule. When admin felling necessary omits a train schedule then he browse delete train option. When he successfully browses delete train option then system asked him, to input the train number whose train he wants to omit.

3.1.3.1 TRAIN FOUND

If train number match with filed train number then system automatically delete the train from file. This schedule cannot be displayed in view information function.

If found system shows, "train deleted successfully".

3.1.3.2 TRAIN NOT FOUND

Else if train number dose not match with filed train number then system shows that," data not found".

3.1.4 VIEW PASSENGERS

When passengers booked ticket admin can see all the passengers information in view passengers function. Admin cannot change any kind of information from here.

3.2 PASSENGERS

There are no option to log in or register a passengers. Passengers cannot browse admin panel. Passengers only browse view information, book ticket & cancel ticket option.

3.2.1 VIEW INFORMATION

in information desk passengers confirm train schedule. From info desk he confirms his start place & destination place. He also confirms in this route which train are available.

Again he confirms the price number of one seat & train leaving time from the station.

In view information desk he must keep in mind his train number which route he wants to travel.

3.2.2 BOOK TICKET

when passengers wants to book a ticket, he must browse book ticket option. If he browse this option then system asked him, “how many tickets he wants to buy?” then system said to him to enter the train number which route he wants to travel.

when passengers input his train number, then system matched the train number with filed train number

3.2.2.1 TRAIN NOT FOUND

if train number does not match with filed train number. Then system said to him, “train not found”. Then system automatically turn him to the main menu.

3.2.2.2 TRAIN FOUND BUT SEAT NOT AVIALABLE

Else if passengers inputted train number match up with filed train number, then system show him seat are available or not in this train. If all the seats in this train already booked, then system show him, “ not available seat”.

3.2.2.3 TRAIN FOUND & AVAILABLE SEAT

Else if seat are available in this train then system let him book the ticket.

System asked him which date he wants to travel. Then he input the date , which date he wants to travel. Then input his name, input his phone number. After input all info system give him his own seat number.

All the seat given randomly by the system.

3.2.3 CANCEL TICKET

In any kind of incident any one can not travel fixed date. So, we keep cancel ticket feature for passengers interest.

When any one cancel his ticket, then he select cancel ticket option. When he select this option, system asked him about his phone number. Then he input his phone number. System match inputted phone number with filed phone number.

3.2.3.1 DATA FOUND

If phone number matched with filed phone number, then system automatically cancel this ticket.

3.2.3.2 DATA NOT FOUND

Else if phone number does not matched with filed phone number, then system show him, “data not found”. System automatically return him to main menu.

3.3 EXIT

When any one wants to close the program, then he selects exit option.

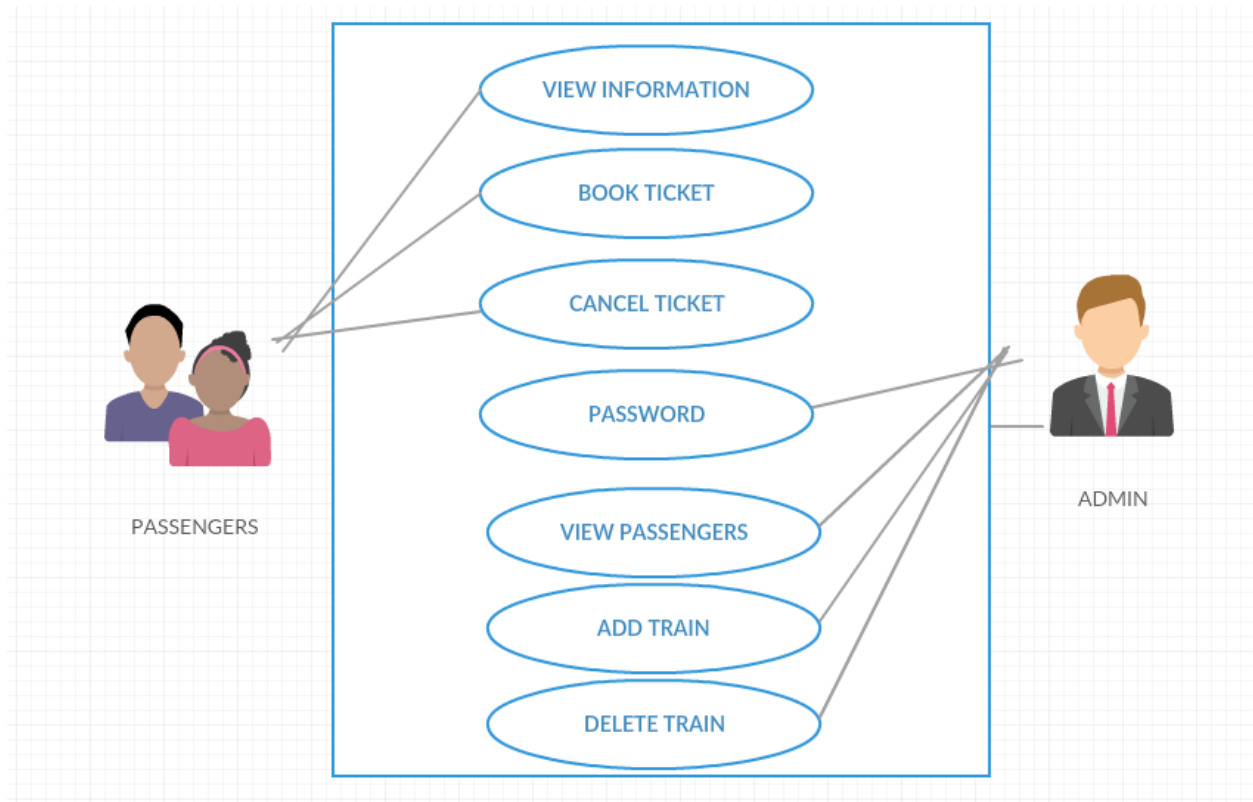
Program will have terminated when system found 5th option.

& when any one input wrong choice, then system shows him, “you entered wrong choice, please enter wright choice”. Then system automatically turn him in main menu.

3.4 WRONG KEY

When any one input wrong key, system show him a notification & return him back to the main menu.

3.5 USE CASE:



CHAPTER 4: RESULTS & DISCUSSION

4.1 MAIN

```
Thu Dec 07 22:20:25 2017

*****
*****BANGLADESH RAILWAYS*****
*****

<<<<<<<<<WELCOME USERS>>>>>>>>>

      MENU
      *****

[1] VIEW INFORMATION

[2] BOOK TICKET

[3] CANCEL TICKET

[4] ADMIN

[5] EXIT

*****
*****
ENTER YOUR CHOICE:
```

4.1.1 VIEW INFORMATION

```
*****
*****BANGLADESH RAIWAYS*****
*****
```

SI	train number	train name	start place	destination place	price	seat	time
1	2010	JOMINA	DHAKA	KHULNA	600	50	12:00PM
2	2020	BIJOY	DHAKA	COMILLA	300	70	12:15PM

```
*****
press '1' for main menu & press any key for exit:
```

4.1.2 BOOK TICKET

4.1.2.1 TRAIN NOT FOUND

```
*****
*****BANGLADESH RAILWAYS*****
*****

how many ticket do you want to buy: 1

Enter train number: 2000

train not found!!!
```

4.1.2.2 SEAT NOT AVAILABLE

```
*****
*****BANGLADESH RAILWAYS*****
*****

how many ticket do you want to buy: 2

Enter train number: 2030

not available seat
```

4.1.2.3 BOOK TICKET

```
*****
*****BANGLADESH RAILWAYS*****
*****

how many ticket do you want to buy: 3

Enter train number: 2010

enter book 1 no ticket:
enter date: 01-01-18

enter your name: ZIHAD

enter your phone number: 01788406593

seat number : 50

Enter train number: 2020
```

```

enter book 2 no ticket:
enter date: 01-02-18

enter your name: ISLAM

enter your phone number: 01625686940

seat number : 70

Enter train number: 2010

enter book 3 no ticket:
enter date: 01-03-18

enter your name: HAMIM

enter your phone number: 01772029840

seat number : 49

enter '1' for main menu & press any key to exit:

```

4.1.3 CANCEL TICKET

4.1.3.1 TICKET FOUND

```

*****
*****BANGLADESH RAILWAYS*****
*****

<<<<<<<<<<WELCOME USERS>>>>>>>>>

          MENU
          *****
[1] VIEW INFORMATION
[2] BOOK TICKET
[3] CANCEL TICKET
[4] ADMIN
[5] EXIT

*****
*****
ENTER YOUR CHOICE: 3

enter phone number: 3535

<<<<<<<<<<<<<<ticket cancelled successfully>>>>>>>>>>>>>>

```

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4.2 ADMIN PANEL

*****BANGLADESH RAIWAYS*****

```
<<<<<<<<<<WELCOME_ADMIN>>>>>>>>>>
```

```
*****  
|      CHOOSE YOUR OPERATION      |  
|-----|  
| [1] VIEW PASSENGERS             |  
| [2] ADD TRAIN                   |  
| [3] DELETE TRAIN                |  
| [4] BACK                        |  
|                                 |  
*****
```

ENTER YOUR CHOICE:

2.1 CORRECT PASSWORD

```
*****
*****BANGLADESH RAILWAYS*****
*****

<<<<<<<<WELCOME USERS>>>>>>>>>

                MENU
                *****

[1] VIEW INFORMATION

[2] BOOK TICKET

[3] CANCEL TICKET

[4] ADMIN

[5] EXIT

*****
*****
ENTER YOUR CHOICE: 4

enter password: 171351906

<<<<<login successfully>>>>>
```


4.2.2 INCORRECT PASSWORD

```
*****
*****BANGLADESH RAILWAYS*****
*****

<<<<<<<<WELCOME USERS>>>>>>>>>

                MENU
                *****

[1] VIEW INFORMATION

[2] BOOK TICKET

[3] CANCEL TICKET

[4] ADMIN

[5] EXIT

*****
*****
ENTER YOUR CHOICE: 4

enter password: 123

                ERROR!!!!

<<<<<<<<wrong password>>>>>>>>>
```

4.2.3 VIEW PASSENGERS

```
*****
*****BANGLADESH RAIWAYS*****
*****

train number      name      phone number      date      seat

*****

2010              ZIHAD      01788406593      01-01-18      50
2020              ISLAM      01625686940      01-02-18      70
2010              HAMIM      01772029840      01-03-18      49
*****

enter '1' for main menu & enter '0' for back:
```

4.2.4 ADDD TRAIN

```
*****
*****BANGLADESH RAIWAYS*****
*****

how many trains do you want to add: 1

enter 3 train details:
enter serial number: 3

enter train number: 2030

enter train name: SKYLINE

enter start place: DHAKA

enter destination place: RONGPUR

enter price: 700

enter seat: 40

enter time: 12:00PM

confirm train: (y=1/n=0):-
```

```
*****
*****BANGLADESH RAILWAYS*****
*****

*****
*<<<<train add successfully>>>>*
*****
```

4.2.5 DELETE TRAIN

4.2.5.1 NOT FOUND TRAIN

```
*****  
*****BANGLADESH RAIWAYS*****  
*****  
  
<<<<<<<<<<<<<WELCOME_ADMIN>>>>>>>>>>>>>>  
  
*****  
||      CHOOSE YOUR OPERATION      ||  
||-----||  
|| [1] VIEW PASSENGERS              ||  
|| [2] ADD TRAIN                    ||  
|| [3] DELETE TRAIN                 ||  
|| [4] BACK                         ||  
||                                  ||  
*****  
  
*****  
  
ENTER YOUR CHOICE: 3  
  
enter train number: 12  
  
<<<<<<<<<<<<<Data Not Found>>>>>>>>>>>>>>
```

```

      CHOOSE YOUR OPERATION
      -----
      [1] VIEW PASSENGERS
      [2] ADD TRAIN
      [3] DELETE TRAIN
      [4] BACK
      *****

```

```
<<<<<<<<<<<Data Not Found>>>>>>>>>>>>>>>>
```

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4.3 EXIT

```
*****
*****BANGLADESH RAILWAYS*****
*****

THANK YOU FOR USING THIS SOFTWARE BY

***ZIHADUL ISLAM***
```

4.4 WRONG KEY

```
*****
*****BANGLADESH RAILWAYS*****
*****

<<<<<<<YOU ENTERED WRONG CHOICE>>>>>>>
<<<<<<<PLEASE ENTER RIGHT THING>>>>>>>
```

CHAPTER 5: CONCLUSIONS & RECOMMENDATIONS

Practical Training is a very important part of the curriculum as it strengthens the concepts and enhances knowledge about the practical implementation of all the theory concepts, we have learn so far in different subjects. My project is railway reservation system. This project is used to keep a track on reserving the seat to the passenger. It helps managing the system very efficiently and conveniently. Although the project work has been done in a complete and detailed manner but due to the constraint of time, I could not include some more features we wanted to. I left these features as a part of the feature development. As soon as I'll get time I'll try to add them to my project.

5.1 FINDINGS & CONTRIBUTIONS

After completing this project, we can easily do these:

1. View Train Schedule
2. Book Ticket
3. Cancel Ticket
4. View passengers
5. Add Schedule
6. Omits Schedule

5.2 RECOMMENDATION FOR FUTURE WORKS

This software have a great future plan. But for this a little bit work is needed. But it is possible to make more useful system with this software. My future plan about this software is to make a system where will be more fetcher that can help us to use and looks more attractive.

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4. TEACH YOURSELF C by Herbert Schildt
5. Computer Programming Language by Md. Kamrujjaman Niton.

APPENDIX

1. MAIN

```
#include<stdio.h>
#include<windows.h>
#include<stdlib.h>
#include<conio.h>
#include<time.h>
#include<string.h>
//-----header file close-----
-
//-----user define function start-----
----
void viewinfo();
void bookticket();
void cancelticket();
void admin();
void password();
void viewpassenger();
void addtrain();
void dltrain();
void awrite();
void aread();
void bookticket_write();
void viewpassengers_read();
//-----user define function close-----
-----
//-----structure start-----
----
struct adddata
{
    char si[10];
    char train_number[10];
    char train_name[20];
    char start[10];
    char destination[10];
```

```

char price[10];
    int seat;
    char time[10];
} add[1000];

struct bookticket
{
    char train_number[20];
    char name[20];
    char phone[20];
    char date[20];
    int seat;
}book[1000];
//-----structure close-----
--
//-----global variable-----
---
int k=0,u=0;
char trn_nmbr[100],name[100],phn[100];
//-----main function start-----
----
int main()
{
    aread();
    viewpassengers_read();
    system("COLOR 0f");
    int ch;
    time_t currentTime;
    time(&currentTime);
    printf("\n\t\t\t\t\t %s\n",ctime(&currentTime));

    printf("\n\t\t\t\t\t*****\n");
    printf("\t\t\t\t\t*****BANGLADESH RAILWAYS*****\n");
    printf("\t\t\t\t\t*****\n");
    printf("\n\t\t\t\t\t<<<<<<<<<WELCOME USERS>>>>>>>>>\n");
    printf("\n\n\t\t\t\t\t\t\t\t\t MENU\n");
    printf("\t\t\t\t\t\t\t\t\t *****");
    printf("\n\t\t\t\t\t[1] VIEW INFORMATION\n");
    printf("\n\t\t\t\t\t[2] BOOK TICKET\n");
    printf("\n\t\t\t\t\t[3] CANCEL TICKET\n");
    printf("\n\t\t\t\t\t[4] ADMIN");
    printf("\n\n\t\t\t\t\t[5] EXIT\n");
    printf("\n\t\t\t\t\t*****");

```



```

printf("\n\t\t*****");
printf("\n\t\tENTER YOUR CHOICE: ");

scanf("%d",&ch);
switch(ch)
{
    case 1:
        viewinfo();
        break;
    case 2:
        bookticket();
        break;
    case 3:
        cancelticket();
        break;
    case 4:
        password();
        break;
    case 5:
        system("cls");
        printf("\n\t\t
*****\n");
        printf("\t\t
*****BANGLADESH RAILWAYS*****\n");
        printf("\t\t
*****\n");
        printf("\n\n\t\tTHANK YOU
FOR USING THIS SOFTWARE BY\n\n");
        printf("\t\t\t***ZIHADUL
ISLAM***\n");

        getch();
        exit(0);
        break;
    default:
        system("cls");
        printf("\n\t\t
*****\n");
        printf("\t\t
*****BANGLADESH RAILWAYS*****\n");
        printf("\t\t
*****\n");

```

```
printf("\n\n\t\t\t<<<<<<<YOU ENTERED WRONG CHOICE>>>>>>>\n");

printf("\t\t\t<<<<<<<PLEASE ENTER RIGHT THING>>>>>>>\n");

                                getch();
                                system("cls");
                                main();
}
return 0;
}
```

2. VIEW INFORMATION

```
void viewinfo()
{
    int ch,i;
    system("cls");
    read();
    printf("\n\t\t
*****');
    printf("\n\t\t *****BANGLADESH
RAIWAYS*****');
    printf("\n\t\t
*****');
    printf("\n\n SI\train number\train name\tstart place\destination
place\tprice\tseat\ttime\n\n");
    for(i=0;i<k;i++)
    {
        printf("
%s\t%s\t\t%s\t\t%s\t\t\t\t%d\t\t\n",add[i].si,add[i].train_number,ad
d[i].train_name,add[i].start,add[i].destination,add[i].price,add[i].seat,add[i].time
);
    }
    printf("
*****
*****\n");
    printf("\n\t\t\t\t press '1' for main menu & press any key for exit: ");
    scanf("%d",&ch);
    switch(ch)
    {
        case 1:
```

```

system("cls");
        main();
        break;
        default:
            exit(0);
    }
}

```

3. BOOK TICKET

```

void bookticket()
{
    int c,j,n,i,found=-1;
    char v,train_number[10];
    system ("cls");
    aread();
    printf("\n\n\t\t*****");
    printf("\n\n\t\t*****BANGLADESH RAILWAYS*****\n");
    printf("\n\n\t\t*****");
    printf("\n\n\t\tthow many ticket do you want to buy: ");
    scanf("%d",&n);
    for(j=u;j<u+n;j++)
    {
        printf("\n\n\t\tEnter train number: ");
        scanf("%s", book[j].train_number);
        for(i=0;i<k;i++)
        {
            if(strcmp(book[j].train_number,add[i].train_number)==0)
            {
                if(add[i].seat==0)
                {
                    printf("\n\n\t\tnot available seat");

                    getch();
                    system("cls");
                    main();
                }
            }
        }
        else
        {
            found=1;
            printf("\n\n\t\tenter book %d no ticket: ",j+1);
            printf("\n\n\t\tenter date: ");

```

```

scanf("%s",book[j].date);
    printf("\n\t\tenter your name: ");
    scanf("%s",book[j].name);
    printf("\n\t\tenter your phone number: ");
    scanf("%s",book[j].phone);
    printf("\n\t\tseat number : %d",add[i].seat );
    book[j].seat=add[i].seat;
    bookticket_write();
    add[i].seat--;
    awrite();
}
}
}
if(found==-1)
{
    printf("\n\n\t\ttrain not found!!!");
    getch();
    system("cls");
    main();
}

}

u=j;
bookticket_write();
printf("\n\n\t\tenter '1' for main menu & press any key to exit: ");
scanf("%d",&c);
    if(c==1)
    {
        system("cls");
        main();
    }
    if(c!=1)
    {
        exit;
    }
}

```

4. CANCEL TICKET

```

void cancelticket()
{
    viewpassengers_read();
}

```



```
default:
```

```
getch();  
printf("\n\t\tyou entered wrong  
  
KEY!!!!");
```

```
getch();  
system("cls");  
main();  
  
}  
getch();  
  
}
```

6. VIEW PASSENGERS

```
void viewpassenger()
{
    int a,j;
    system("cls");
    viewpassengers_read();
    printf("\n\t\t\t*****");
    printf("\n\t\t\t*****BANGLADESH RAIWAYS*****");
    printf("\n\t\t\t*****");
    printf("\n\n\t\t\ttrain number\t\tname\t\tphone number\t\tdate\t\tseat\n");
    printf("\n\t\t\t*****\n");
    for(j=0;j<u;j++)
    {
        printf("\n\t\t\t%s\t\t%s\t\t%s\t\t%s\t\t%d",book[j].train_number,book[j].name,book[j].phone,book[j].date,book[j].seat);
        book[j].seat++;
    }
    printf("\n\t\t\t*****\n");
    printf("\n\n\t\t\tenter '1' for main menu & enter '0' for back: ");
    scanf("%d",&a);
    if(a==1)
    {
        system("cls");
        main();
    }
}
```

```

    }
    if(a==0)
    {
        system('cls');
        admin();
    }
}

```

7. ADD TRAIN

```

void addtrain()
{
    system('cls');
    int ch;
    aread();
    int i,a;
    printf("\n\t\t
    *****");
    printf("\n\t\t *****BANGLADESH
    RAIWAYS*****");
    printf("\n\t\t
    *****");
    printf("\n\n\t\tthow many trains do you want to add: ");
    scanf("%d",&a);
    for(i=k;i<k+a;i++)
    {
        printf("\n\t\t\tenter %d train details: ",i+1);
        printf("\n\t\t\tenter serial number: ");
        scanf("%s",add[i].si);
        printf("\n\t\t\tenter train number: ");
        scanf("%s",add[i].train_number);
        printf("\n\t\t\tenter train name: ");
        scanf("%s",add[i].train_name);
        printf("\n\t\t\tenter start place: ");
        scanf("%s",add[i].start);
        printf("\n\t\t\tenter destination place: ");
        scanf("%s",add[i].destination);
        printf("\n\t\t\tenter price: ");
        scanf("%s",add[i].price);
        printf("\n\t\t\tenter seat: ");
        scanf("%d", & add[i].seat);
        printf("\n\t\t\tenter time: ");
    }
}

```



```

scanf("%s",add[i].time);
}

printf("\n\n\t\t\tconfirm train: (y=1/n=0):- ");
scanf("%d",&ch);
if(ch==1)
{
    awrite();
    k=i;
    awrite();
    system("cls");

    printf("\n\n\t\t\t*****
*****");

    printf("\n\t\t\t*****BANGLADESH
RAIWAYS*****");

    printf("\n\t\t\t*****
*****");

    printf("\n\n");
    printf("\n\t\t\t\t*****");
    printf("\n\t\t\t\t*<<<<train add successfully>>>>*");
    printf("\n\t\t\t\t*****");
    getch();
    system("cls");
    main();
}

if(ch==0)
{
    system("cls");
    admin();
}
if((ch!=1)&&(ch!=0))
{
    system("cls");
    main();
}
}

```

8. DELETE TRAIN

```

void dltrain()
{

```

[illegible]

9. PASSWORD

```
void password()
{
    int number=171351906;
    int pass;
    printf("\n\t\tenter password: ");
    scanf("%d",&pass);
    if(pass==number)
    {
        printf("\n\n\t\t<<<<<login successfully>>>>>");
        getch();
        system("cls");
        admin();
    }
    else
    {
        printf("\n\n\t\t\t ERROR!!!!");
        printf("\n\n\t\t<<<<<<<wrong password>>>>>>>");
        getch();
        system("cls");
        main();
    }
}
```

10. FILE

```
void bookticket_write()
{
    FILE *booklist;
    booklist=fopen("booklist.txt","w");
    fwrite(&book,sizeof(book),1,booklist);
    fclose(booklist);

    FILE *booklistreport;
    booklistreport=fopen("booklistreport.txt","w");
    fwrite(&u,sizeof(u),1,booklistreport);
    fclose(booklistreport);
}
```

```

}
void viewpassengers_read()
{
    FILE *booklist;
    booklist=fopen("booklist.txt","r");
    fread(&book,sizeof(book),1,booklist);
    fclose(booklist);

    FILE *booklistreport;
    booklistreport=fopen("booklistreport.txt","r");
    fread(&u,sizeof(u),1,booklistreport);
    fclose(booklistreport);
}
//-----add train file start-----
-----
void awrite()
{
    FILE *train_details;
    train_details = fopen("train_details.txt","w");
    fwrite(&add,sizeof(add),1,train_details);
    fclose(train_details);

    FILE *train_report;
    train_report = fopen("train_report.txt","w");
    fwrite(&k,sizeof(k),1,train_report);
    fclose(train_report);
}
void aread()
{
    FILE *train_details;
    train_details = fopen("train_details.txt","r");
    fread(&add,sizeof(add),1,train_details);
    fclose(train_details);

    FILE *train_report;
    train_report = fopen("train_report.txt","r");
    fread(&k,sizeof(k),1,train_report);
    fclose(train_report);
}

```