

**PROJECT DOCUMENTATION**

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| **Project Name** | Online Bus Reservation System |
| **sec** | 19 |
| **Course Initial** | CSE115L |
| **Lecturer’s Name** | Monamy Islam |
| **Submission Date** | 28-08-2018 |

**Introduction:**

**Project : Online Bus Reservation System**

**Business Management System** (acronym “BMS”, also know as BM System) is a set of tools for strategic planning and tactical implementation of policies, practices, guidelines, processes and procedures that are used in the development, deployment and execution of business plans and strategies and all associated  management  activities. Business Management System provides a foundation for successful implementation of both strategic and tactical business decisions regarding current activities, processes, procedures and tasks for the purpose of meeting existing goals and objectives of a profit organization and satisfying customer needs and expectations.

Reference[https://mymanagementguide.com/business-management-system-bms-definition-and-functional-groups/]

**Online Bus Reservation System**, a c programming project developed by

Sayed Abu Noman Siddik and B. M. Anik.By using this Project a user can Register and Login to this Bus ticket reservation System and book tickets easily staying at home,even a user can cancel the booked tickets,view the available bus in the station and and also will be able to examine their current status.

**Features**:

* Registration
* Login
* View Bus List
* View Bus Detail List
* Booking Tickets
* Cancel Booking
* View Bus Status
* View Safety Advices
* Close Application

**Variables and their uses :**

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Variable Type** | **Work** |
| Bus name | char | To store Bus name |
| Bus No | int | To store bus number |
| First Name | char | To store First Name |
| Last Nme | char | To store Last name |
| Email Name | char | To store Email Address |
| Address | char | To store address |
| User Name | char | To store user name |
| User Id | char | To store User Id |
| Password | char | To store Password |
| Booking | int | to get how many seat for booking |
| Temp name | char | To hold temporary name |
| Number | int | To get seat number |
| Choice | int | To get choice number from user |
| Choice Number | int | To get choice number from user |
| Input | char | To read string from file |
| Seat1,set2….etc | int | Seat number for processing |
| Str1,str2….etc | char | Seat name in string |
| index | int | Loop controlling |
| I,j,k | int | Loop controlling |
| F1 | pointer | Adress file |
| Num str | char | Seat name to print Empty |
| Tempstr,tempstr1….etc | char | Temporary seat name |
| Name | char | To get passenger name |
| Number | int | To get number |
| A,b | pointer | Adress file |
| ptofile | pointer | Adress file |
| p0,p1,p2,p3,p4 | pointer | Adress file |
| Sting Functions: |  | Converting integer to Ascci |
| itoa |  | Converting integer to Ascci |
| starcat |  | To concate string |
| strcpy |  | To copy string |
| fclose |  | To close file |
| fclose |  | To open file |
| gets |  | To take string input |
| fprintf |  | To get string input |
| fscanf |  | To get string output |
|  | | |

**Header Functions :**

* <stdlib.h> - It contains declarations for all of the functions in the windows API.
* <stdio.h> - Contains standard input and output header.
* <conio.h> - Contains console input and output to form a program.
* <string.h> - Contains string function
* <ctype.h> - testing and mappin characters

**Functions and Logics:**

* void registe(); //To store username and password and information .It is a void function and return no value
* void login(); // To login to the project. It is a void function and return no value.
* void mainmenu(); //for showing main menu. It is a void function and return no value
* void view\_bus\_list(); //for showing list of bus. It is a void function and return no value
* void name\_number(int booking,char numstr[100]); //for processing seat name and number.It is a void function and return no value
* void book\_tickets(); //for booking the ticket. It is a void function and return no value
* int read\_number(int Bus\_no); //for reading the number from the file and store.It is a integer type function and return value and it take Bus no as a input.
* void read\_name(int Bus\_no); //for reading the name from the file. It is a void function and return no value.
* void bus\_status\_board(); //for printing the status by user input. It is a void function and return no value
* void status\_1(int Bus\_no); //for printing the status while booking ticket. It is a void function and return no value and it takes Bus no as input.
* void cancel\_booking(); //for canceling ticket booking. It is a void function and return no value.

**Task division By Members** :

Sayed Noman:

* Register
* Login
* Booking
* Show safety advices
* Read Number
* Bus Status 1

Anik Hasan:

* View Bus List
* Cancel Booking
* Read Name Number
* Bus Status Board
* Read number

**Project Usability :**

By using this Project a user can Register and Login to this Bus ticket reservation System and book tickets easily staying at home,even a user can cancel the booked tickets,view the available bus in the station and and also will be able to examine their current status.

References: this code is modified from online ticket booking,railway management projects and other necessary information were

**Note : There are some text file which are part of this program.without these text file some functions may not work.So please Don’t Delete them.**