.NET

**Employee Travel Booking**

**INTRODUCTION**

**SETUP CHECKLIST**

**Minimum System Requirements**

* Intel Pentium 4 and Windows 2010
* Memory 4 GB
* Internet Explorer 11.0 or higher / Chrome
* SQL Server 2016 or above client and access to SQL Server
* Visual Studio 2019
* Git for Collaborating

**INSTRUCTIONS**

* The code modules in the project should follow all the coding standards.
* Create a directory by your name in drive <drive>. In this directory, create a subdirectory Project name. Store your Project here.
* You may also look up the help provided in the MSDN

PROBLEM STATEMENT

**OBJECTIVE**

Need to develop Employee Travel Booking System Using ASP.NET MVC, ASP.NET Web API & Entity Framework

**Abstract of the project:**

**Employee Travel Booking Application** allows Employees to place requests for booking business travel tickets.

In current corporate world, Employees are often required to travel to Domestic as well as international locations based on business requirements. This application “Employee Travel Booking Application” will help employees to raise or submit a ticket for travelling to the required location.

Employee Travel Booking System is an online system which will automate the process of raising or placing a travel requests. Employees will raise or place the travel request. Manager can approve, reject the request. Once manager approves the request travel agent will confirm the travel or can make the status as Bookings not available.

The system will have 4 users / actors: Employee, Manager, Travel Agent, and Admin

**Role of Admin**

* Add Employee, Assign manager
* Change Manager, Delete Employee.
* Add/Edit Travel Agents

**Role of Employee**

* Check current requests submitted and see the status
* Raise new travel request
* Cancel the request made.

**Role of Manager**

* Approve or Reject the travel request raised by Employee
* Check the history of requests made by reporting employees.

**Role of “Travel Agent”**

* Once Manager approves the travel request of employee, travel agent will change the status to “Ticket Confirmed” or “No Availability” status.

**MODULE LIST and MODULE DETAILS**

**Modules:**

|  |  |
| --- | --- |
| UserType | UserTypeId, Description |
| TravelRequests | RequestId, RequestDate, FromLocation,  ToLocation, UserId, CurrentStatus |
| Users | UserId, LoginId, Password  UserTypeId, Name, ManagerUserId |

* Develop the prototypes for following functionalities:
* **Admin Screen**: Admin user should be able to add or edit Employees and assign respective managers. Also should be able to add Travel agents.
* **Employee screen**: Employees should be able to enter From

Location, To Location and Travel data and click on ‘Submit’ button to raise a travel request.

* **Manager Screen**: Once employee successfully places travel request, Manager can approve or reject the same. Also, Manager can view the reports of total number of requests received and respective status.
* **Travel Agent Screen**: Once manager approves the request, based on availability travel agent can change the status to “Booking Confirmed” or “Booking Not available”.
* Develop business components (C# classes) for the following functionality:
* User Class :- This class will contain methods which will allow to manage all employee
* TravelRequest class :- This class will contain methods to manage customer
* UserType class :- This call will contain Types of users – Admin, Employee, Manager

**Design guidelines**

• All the exceptions/errors to be captured and user friendly message to be displayed on the Common Error page.