

“Project Report”

**Title:**

Traveller Software

**Group:**

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**Dated:** 21st June, 2017

**Submitted to :** Dr. Anis-ur-Rehman

**Problem:**

Whenever anyone goes to the new city, he is generally unaware of the different places such as hotels, restaurants, events, landmarks etc. He has to search for the place every time through maps and through the residents of the city. It is difficult to search for the places where network connectivity is bad. There is a possibility that the newbie may fall victim to the robbers. Therefore, our motivation was to develop a windows application for such people to give them the address of different places whenever they wanted.

**Challenges:**

We faced many challenges during the implementation of the software. The first and foremost challenge was to use objects to store the information of the user into his file. We have to create different classes for the events, hotels, landmarks and restaurants. The next challenge faced by us was to link the combo boxes with different files and updating the combo box based on the information stored in the file. The last challenge was our weak point in file handling; we have to use sequential file handling and serialization.

**Proposed Solution:**

Our proposed solution was to develop the window application to help the user know about different places. It is the friendly application based on graphical user interface. We made the project for the 4 cities i.e. Islamabad, Lahore, Karachi and Multan. We have used hard coded data for the events, hotels, restaurants and landmarks of the cities. User can add and remove different place he wants to visit in the city into his file and can view his plan anywhere without any hindrance.

**Implementation Details:**

We have provided two login panels. One for the admin and the other for the user. Admin can login to database and can add new things to existing files. Whereas user selects one of the cities from the combo box. After that new window will appear having two combo boxes. First combo box will contain the events, hotels, restaurants and landmark entries. Based on the selection of the first combo box, list of entries appear in second combo box. When use click any event, hotel and restaurant, the details for that entity appeared in the empty text area.

User can click on add button to add that entity to his file or he can click on remove button to delete that entity from his file. After adding the required places user clicks on view button and his selections appears on the text area of the next window.

**Scope:**

Currently we have made the project only for 4 cities i.e. Karachi, Lahore, Islamabad and Multan. User can view his sorting. If single event is repeatedly added then it will appear multiple time on the text area. We have not provided any login for the user in order to save us from creating multiple files for every user.

**Work Distribution:**

We divided the work gently without and did not put on the burden of one over the other. We divided the work as follow:

* Classes making (combined)
* Logic Implementation (combined)
* Graphical User Interface (Abdullah Rafaqat)
* File Handling (Muhammad Rizwan Khalid)

**Note:**

Unfortunately, because of holidays and other reasons my colleague has to go so we were not able to implement the remove functionality so we decided to handover this project. We only lacked in implementing remove functionality.