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| |  | | --- | |  | |  | **PES University, Bengaluru** |  |  |
|  |  | (Established under Karnataka Act 16 of 2013) |  |  |
|  | **Department of Computer Science & Engineering** | | | |
|  |  | Session: **Aug - Nov 2016** |  |  |

**UE17CS204 – Web Technologies – I**

**Theory Assignment**

Report on

**Air and Hotel Reservation**

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**3rd Semester E**

**Project Description:**

The Project, as presented by us, is a flight and hotel reservation system. It is a portal called “Fly-Tel”, which allows us to make hotel and air reservations.

On opening the website, we get the homepage which has links to ‘Destinations’, ’Book Hotels’, ‘Book Flights’ and a ‘Login’ page. The main page has a gallery which contains images of the services we have to offer. It also has a video which describes how fun traveling is. The homepage also contains the destinations to which we cater to which are ‘Bangalore’, ‘Delhi’ and ‘Mumbai’.

The Destination page shows us all the beautiful places that are there in India such as Shimla, Kullu, Dharamshala, etc. There is a brief description of all the places and a slideshow of images.

The ‘Book Flights’ and the ‘Book Hotels’ page contains the destinations which are ‘Delhi’, ‘Bangalore’ and ‘Mumbai’. On choosing two destinations for Flights and one destination for Hotels it takes us to another webpage where we fill out a form and on clicking ‘Submit’ the data gets stored in a database.

The page also contains a ‘Login’ page where we can Register the user and this is also stored in a database.

**2.Technologies Used :**

We have used a variety of technologies to make our website, such as :

* HTML & HTML5 - For basic web design
* JavaScript -  Helps us to write functions included or embedded from HTML pages and interrelate with the page’s Document Object Model.
* PHP - Hypertext Preprocessor is a server-side scripting language designed for Web development, and also used as a general-purpose programming language.
* CSS (Cascading Style Sheets) - To design the webpages.
* MySql : Stores details of user in database

**3.List of Functionalities**

**a. Front End:**

1) The user logs in the ‘Login’ page which is there in the navigation bar.

2) We have used CSS to design the webpages. We designed a slideshow using CSS and Javascript.

3) We have used Javascript to check for conditions in the ‘Book Hotels’ and the ‘Book Flights’ page.

4) Javascript has also been used to autofill the flight number and the hotel name in the booking form.

5) The destination page has a slideshow and a gallery with image-overlay effect. On clicking the image, the JavaScript redirects you to another page consisting description regarding that particular location.

**b. Back End**

1) We used the concept of database to store the users data and details.

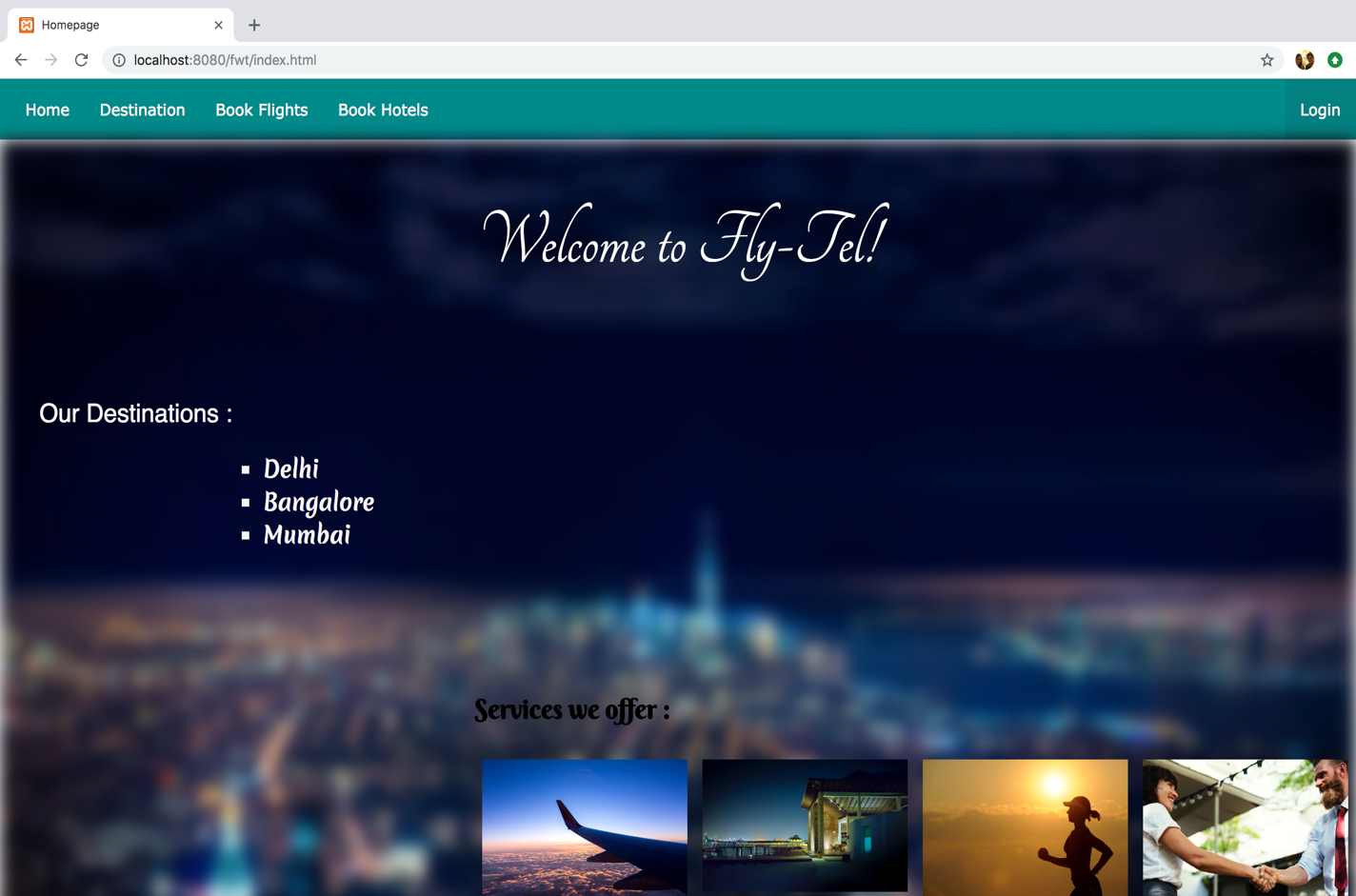
2) MySQL stores the user’s details, as and when he/she registers for the website, and if they’ve already used the website before, then stores the login details as well.

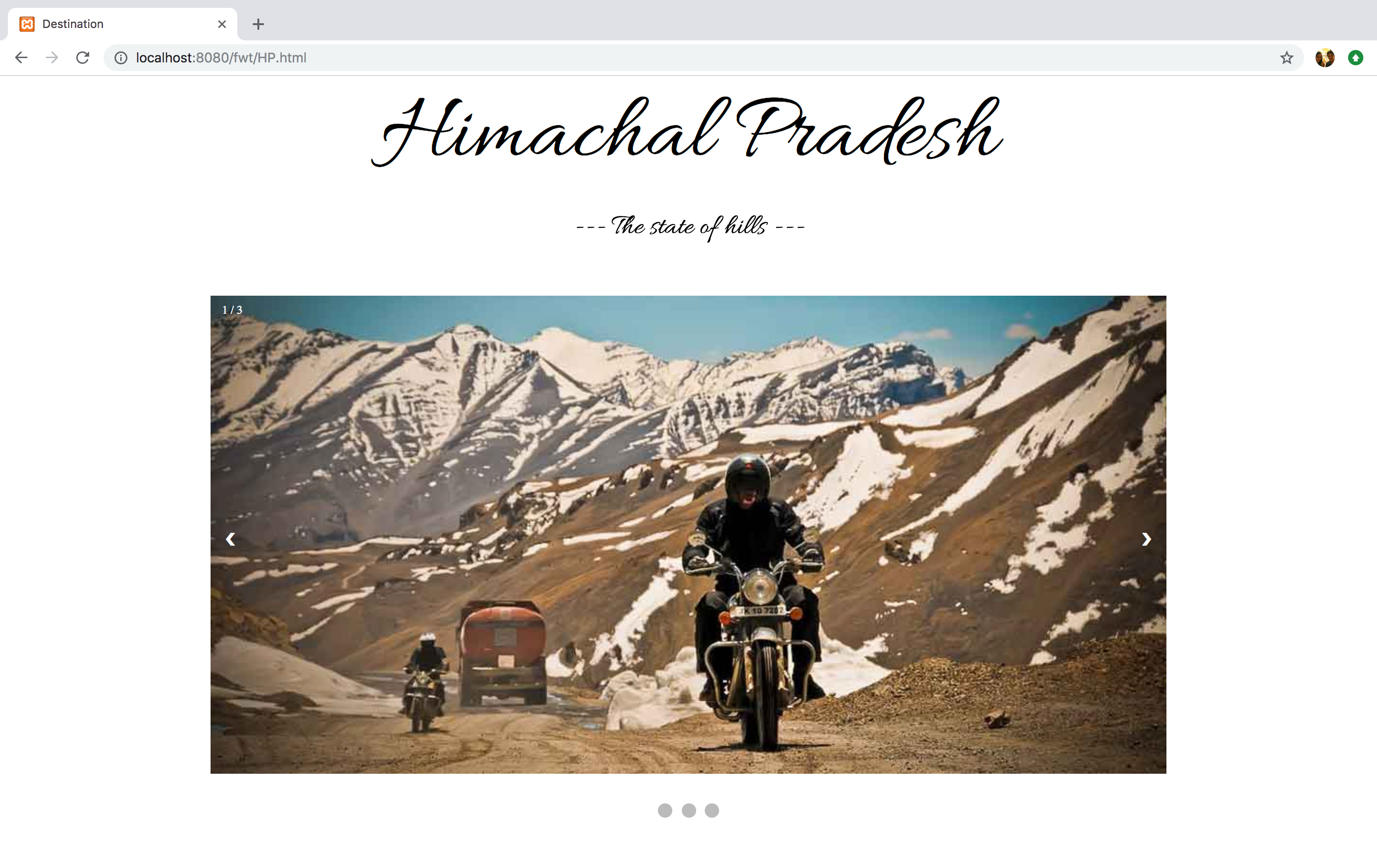
3) We have also used SQL to store the flight and hotel information that is booked by the users.

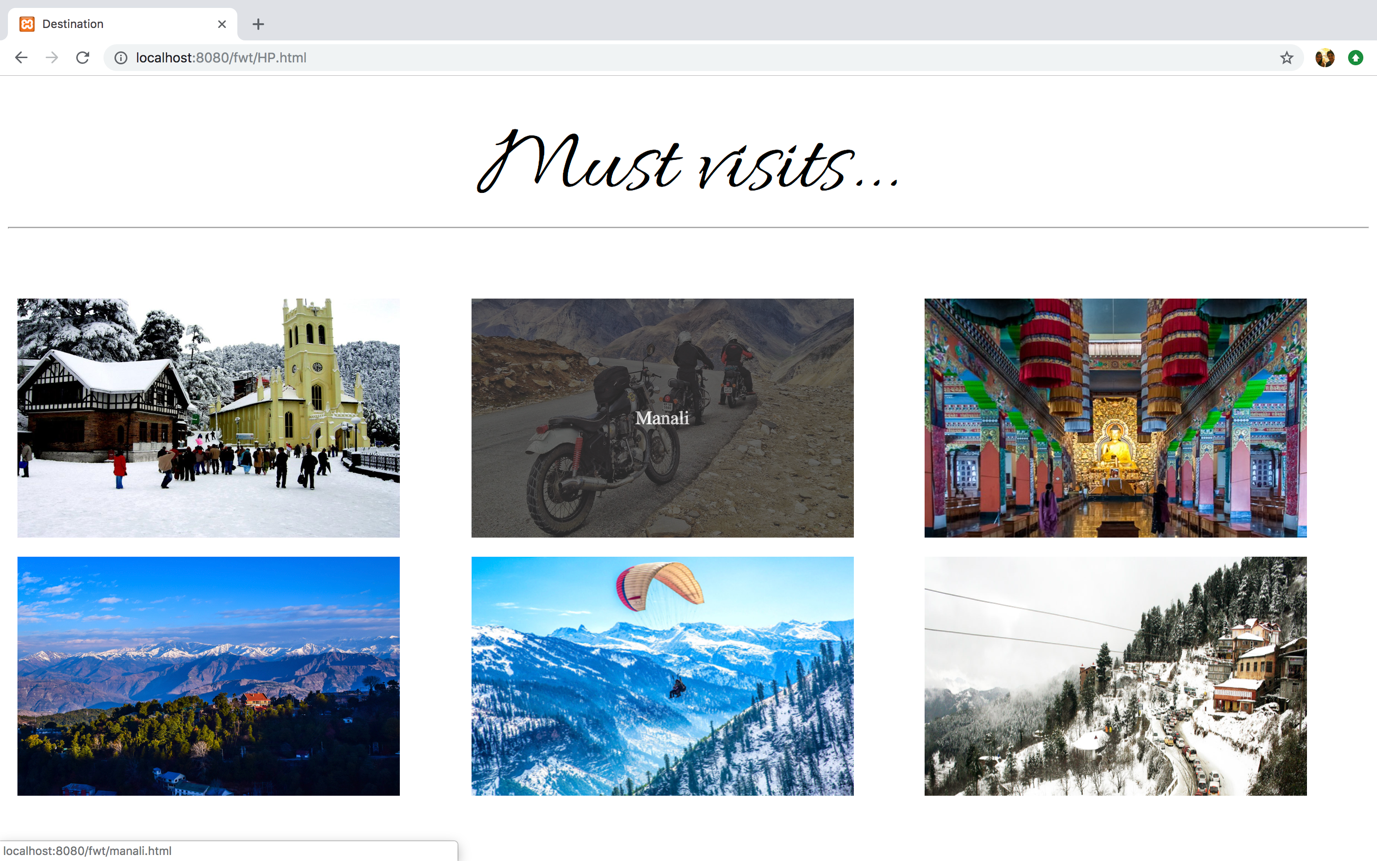
**4)Link to GitHub Repository**

https://github.com/kishankp9/WTP

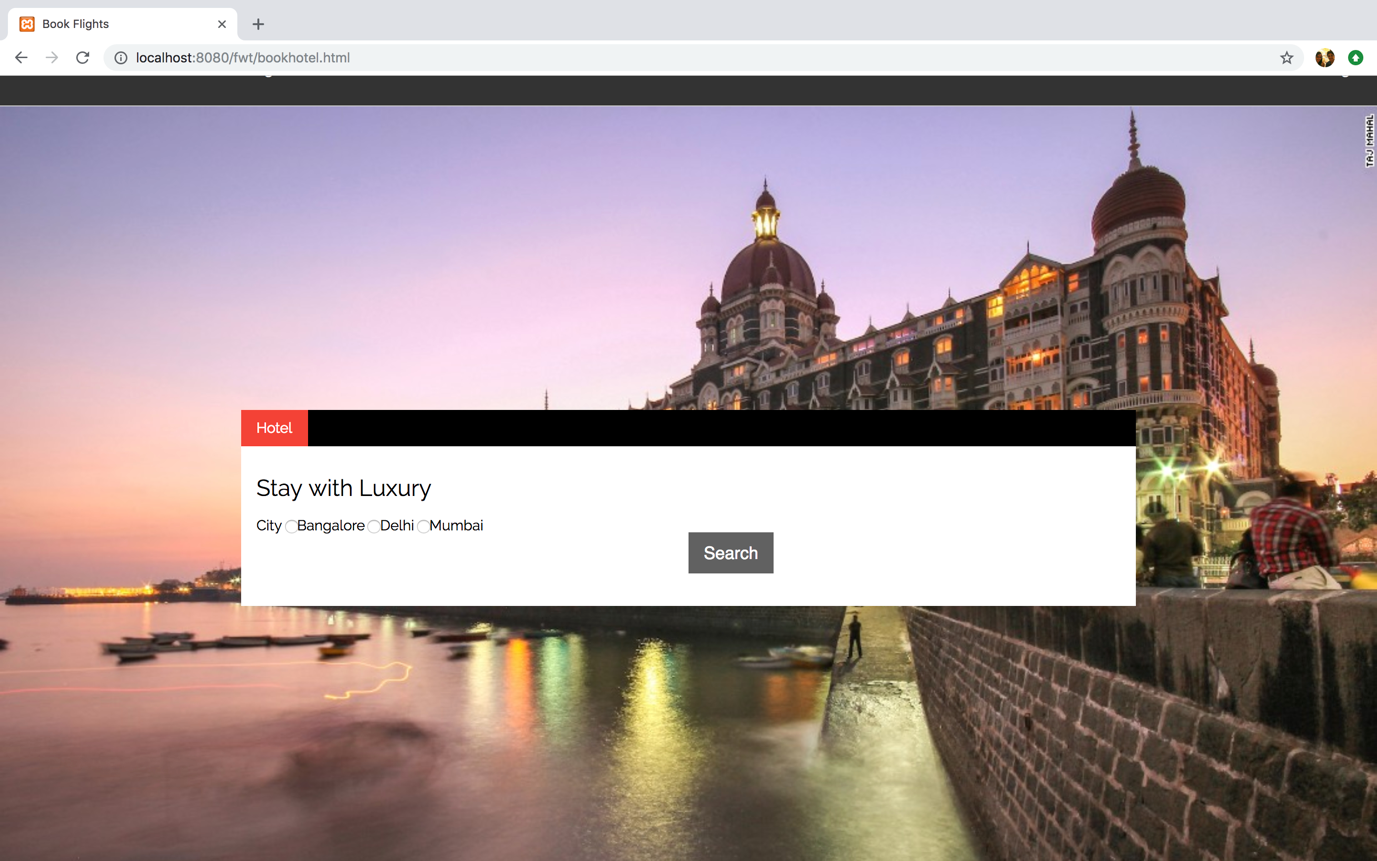
**5) Screenshots**

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