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

**UE17CS204 – Web Technologies – I**

**Theory Assignment**

Report on

**Travel Trails**

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**3rd Semester - A**

Project Description

Travel Trails is a web application for all those people who want to know more about their travel destinations. They can search on our website for first-hand accounts of travellers and plan their itinerary to include the best of experiences and to avoid tourist traps and overrated locations. Travel Trails ensures that the travelling process is completely hassle-free.

Travellers make accounts and submit reviews of tourist locations they’ve been to. Other travellers use this experience and in turn review more locations fostering a community of travellers with reliable information on any location one might want to visit.

Travel Trails is a boon for any would-be traveller enriching their experiences and ensuring they get the best out of their travels.

Technologies Used

HTML (HyperText Markup Language) – Used to define basic markup and structure of the webpages. HTML5 is used for more advanced uses.

CSS (Cascading Style Sheets) – Used to finetune the look and feel of the website and give it a pleasing aesthetic. CSS3 is used for advanced features like animation, transforms etc.

JavaScript – Used for client side interactivity such as Back to Top Buttons, Login Modals, Event Listeners, Manipulation of DOM etc.

PHP – Server side scripting used for passing information to database and validating login information.

SQL (Structured Query Language) – Database Management language used for creation of tables and storing/accessing data provided by clients.

Apache – The .htaccess file is used for Error404 redirection to a specific Error404 page.

List of Functionality

* **Loading Screen** – A loading screen made using Javascript’s redirection functionality and HTML5’s LocalStorage to provide users something to look at while waiting for the page to load.
* **Canvas Banner** – Webpage banner made using Canvas for maximum customizability
* **BackToTop Button** – A back to top button is at the bottom of every page to save you the tedium of scrolling back up yourself.
* **Interactivity** – The website is very interactive with most elements reacting to *focus* and *hover* events.
* **Complete Form Functionality** – A fully functional form whose values are stored in the database on submission.
* **Database** – A MySQL database to store and query information from for login validation, storing reviews, account information etc.
* **Login Modal** – A simple modal which pops up with a simple animation and closes on clicks anywhere outside the modal area.
* **Error404 page redirection** using Apache’s .htaccess
* **Footer** – A simple footer containing icon links to all popular social media networks to maximize media presence.
* **Login verification** – PHP script queries if the password associated with an email and the email associated with the password match before logging someone in.
* **Structured Code** – Repeating code is stored in its own folder giving good code structure. The CSS, JS and the HTML files are all in separate directories.
* **Sliders/Star Rating** – A more innovative way of rating something, a script quantifies your rating on the slider and a script decides the star rating depending on click location.
* **Image Upload** – The form and database can handle multiple images uploaded at once.
* **PHP Form Submission –** A PHP script takes the form submitted and and stores in the database.
* **Admin-only Database Control –** Only admins are allowed to modify the database ensuring security.
* **Database –** A database made with MySQL allows for efficient storage and access of data.

**Github Link:** [**https://github.com/sriramsk1999/travel-trails**](https://github.com/sriramsk1999/travel-trails)

Screenshots

