**Sprint Planning Document**

**Sprint 1**

***MapItUp***

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**Sprint Overview:**

The objective of this Sprint document is to assign tasks that need to be carried out in the current Sprint. The tasks will be delegated equally among the teammates.

**Meeting times:** 3:00 PM, Tuesday & Thursday for 1 hour and 15 minutes & 5:30 PM, Monday for 30 minutes in B160 Lawson

**Scrum Master :** Ankush Jain

**Functional :**

**As a user, I would like to create an account**

**Acceptance Criteria** – User should be able to sign up/sign in using his email. The app should redirect the user to his profile.

**Task 1** - Create UI for the signup and login page, displaying all information the user needs to enter.

* Design the elements and layouts to be spread upon the signup page. Create a form that allows user to add personal information.
* If account has already been created, user just needs to enter email address and password to sign in.
* Ankush, Sharoon and Abhijay
* 10 hours

**Task 2** - Implement an action when the user clicks the submit button, highlighting the incomplete sections, if any

* Establish page validation to check for completeness of mandatory fields in form. Respond to user with an error page urging to complete the form.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 3 -** Send request to server which contains the account information to store in the database

* Establish connectivity to the server and send request using JSON format. Allow server to modify and update database with information from client end.
* Ankush, Sharoon and Abhijay
* 5 hours

**As a user, I would like to update my location**

**Acceptance Criteria** – User should be able to update their location. New location should be displayed on profile.

**Task 1** - Create UI for updating location and other profile information.

* Design the elements and layouts to be spread upon the profile page. Create a form that allows user to edit location.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Send request to server which contains the new location to store in the database

* Establish connectivity to the server and send request using JSON format. Allow server to modify and update database with information from client end.
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to store the places I’ve visited**

**Acceptance Criteria** – User should be able to store the places they have visited. This should be reflected in the user’s dashboard and in the interactive map.

**Task 1** - Create UI for updating location and other profile information.

* Design the elements and layouts to be spread upon the profile page. Create a form that allows user to store locations.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Send request to server which contains the information of places to store in the database

* Establish connectivity to the server and send request using JSON format. Allow server to modify and update database with information from client end.
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to view the places I’ve visited on an interactive world map**

**Acceptance Criteria** – User should be able to view the places they have visited using the interactive map on the user’s dashboard.

**Task 1** - Have the UI enabled to reflect the places visited when added.

* Design the UI such that when a new place is visited, it reflects on the interactive map.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Receive data from server which contains the information of places to reflect on the map

* The data will be received in JSON format and will be parsed by the client. This information will be used to display the countries visited on the interactive map.
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to mark a destination as my favorite**

**Acceptance Criteria** – User should be able to mark a destination as favorite with a heart icon.

**Task 1** - Have the UI enabled to mark a destination as favorite.

* Whenever a place is marked as favorite, change the UI to show a small heart icon which changes from a line outline to a solid fill next to the place which shows that it is favorite.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Send data to server which contains the country being marked as favorite

* The data will be sent in JSON format to the server. This information will be used to display the the type of heart next to the destination.
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to view my favorite destinations**

**Acceptance Criteria** – User should be able to view all the places they have marked as favorite.

**Task 1** - Have the UI enabled to reflect the places visited when added.

* Design the UI such that when we display only the favorite destinations when requested by the user
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Receive data from server which contains the information of places to reflect on the map

* The data will be received in JSON format and will be parsed by the client. This information will be used to display the list of favorite countries.
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to deactivate my account**

**Acceptance Criteria** – User should be able to deactivate their account

**Task 1** - Create UI for allowing user to deactivate their account

* Design the elements to be displayed on the settings page
* Ankush, Sharoon and Vijay
* 5 hours

**Task 2 -** Send request to server which contains the information to deactivate the user’s account

* Send request using JSON format. Allow server to modify and update database to delete all user information
* Ankush, Sharoon and Abhijay
* 2 hours

**As a user, I would like to search for travel destinations by name**

**Acceptance Criteria** – User should be able to search for destinations the places they have visited.

**Task 1** - Create UI for enabling a search functionality.

* Design the UI to have a search bar at the top right corner which lets users find travel destinations.
* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2 -** Send request to server which contains the information of places to search from the database

* Search through the database using the information sent to the server for the particular location entered and return the list of destinations.
* Ankush, Sharoon and Abhijay
* 2 hours

**Non Functional :**

**As a developer, I would like to validate all user accounts to prevent redundancy**

**Task 1** - Check the username against all others in the database

* Search the database from the information sent to the server upon account creation. Return information depending on if the username entered was unique or not.
* Sharoon, Ankush and Abhijay
* 2 hours

**As a developer, I’d like to setup the MySQL database**

**Task 1** - Understand how the back end server and MySQL communicate

* Make sure that MySQL database is setup on all our computers. Try implementing simple programs to understand how mySQL database management works.
* Sharoon, Ankush and Abhijay
* 5 hours

**Task 2** - Implement the RESTful API using the Express framework in JavaScript to interact with the database

* Learn how the RESTful API interacts with the database. Implement the RESTful API to so that the server can communicate with the database and make HTTP requests.
* Sharoon, Ankush and Abhijay
* 5 hours

**Task 3** - Build tables in the MySQL database for different tasks and store/retrieve information from them

* Learn how to build tables in the database using a database management application and how to store/retrieve the required information from them. Then, implement database management classes in the back-end server which can make similar requests to the database.
* Sharoon, Ankush and Abhijay
* 5 hours

**As a developer, I would like the API methods to have publically available documentation**

**Task 1 -** Create swagger representation of the Restful API

* Ankush, Sharoon and Abhijay
* 5 hours

**Task 2** - Use a swagger editor (swagger.io) to create the API documentation from the swagger file

* Ankush, Sharoon and Abhijay
* 2 hours

**As a developer, I’d like to set up a back-end server and respond to basic HTTP Requests.**

**Task 1** - Learn the syntax and programming rules for JavaScript

* Download the latest version of python and run small codes to understand its working.
* Sharoon, Ankush and Abhijay
* 5 hours

**Task 2** - Download and install the Express framework. Read and understand how it works.

* Make sure that the Express framework is setup properly on all our computers. Try implementing simple programs to understand how Express works. An example would be returning a message on receiving a GET request from a client.
* Sharoon, Ankush and Abhijay
* 2 hours

**Task 3** - Implement a RESTful API using the Express Framework in JavaScript to interact with the client

* Implement classes in the RESTful API that would handle POST and GET requests from the client. Implement a class which would parse and return data in the JSON data format from the client.
* Sharoon, Ankush and Abhijay
* 10 hours

**Task 4** - Set up a simple HTTP server implemented using the RESTful API

* Setup an HTTP server on the localhost. Make sure that the server and client communicate efficiently and that the server is able to handle HTTP requests from the client.
* Sharoon, Ankush and Abhijay
* 10 hours

**Total approximate time distribution :**

Abhijay : 40 hours

Ankush : 40 hours

Sharoon : 40 hours

Total : 120 hours

**Rest of the backlog :**

**Requirements**

**Functional**:

* As a user, I would like to update my profile (including profile picture, location, etc)
* As a user, I would like to add reviews and ratings to the places I’ve visited
* As a user, when I review a destination, I would like to add the travel cost for a particular destination
* As a user, I would like to see the percentage of the world I’ve travelled
* As a user, I would like to add photos to the places I’ve visited
* As a user, I would like to mark a particular photo of mine as public or private
* As a user, I would like to view public photos of the places visited by all users
* As a user, I would like to view the ratings and reviews of places visited by all users
* As a user, I would like to follow other users
* As a user, I would like to view my followers
* As a user, I would like to exchange messages with other users
* As a user, I would like to view the popular travel destinations for a certain month or duration
* As a user, I would like to view featured travellers
* As a user, I would like become a featured traveller if I meet the requirements
* As a user, I would like to filter travel destinations based on ratings, distance, weather, travel cost etc
* As a user, I would like to view the distance, weather and travel cost of a destination
* As a user, I would like to mark a review as helpful or unhelpful (if time permits)
* As a user, I would like to sort the reviews based on several factors (including helpfulness, date etc) (if time permits)
* As a user, I would like to login / sign-up using my facebook credentials (if time permits)

**Non Functional**:

* As a developer, I would like my service to be scalable by using mySQL to manage my database
* As a developer, I would like the least possible amount of data storage on the client
* As a developer, I would like the interactive map to be smooth and non laggy
* As a developer, I would like to have a secure mySQL database to store the personal travel information for all users
* As a developer, I would like to be able to test on a local development server easily
* As a developer, I would like users to be able to navigate through the web app easily
* As a developer, I would like my service to have fast response times