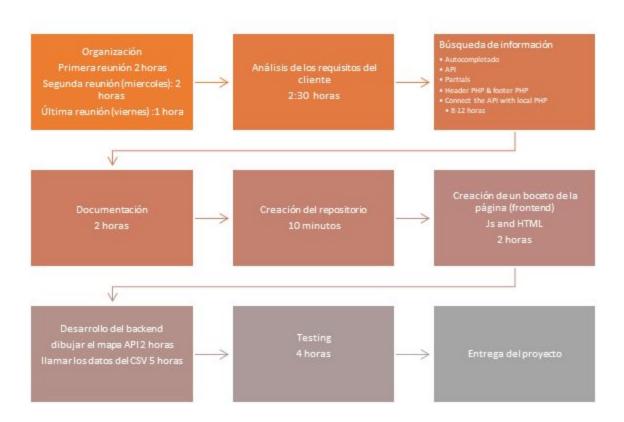# Finder with local host

The objective of the project is to design a single page application which is used to search for country locations on a map. The proposed method is to use php in the backend and javascript on the front end to call the API's. The project has to be completed in 1 week. The following part shows the proposed calendar for the duration of the project as discussed among the project group.

Scope of the project

The scope of the project is to develop a finder website using PHP to help user locate a place as in google search. The project will address the learning outcome of how to make a good single page static website to which mimics a google search site using local storage. It will help in understanding of using Php to do the same

Objectives

Develop a single page application website to locate a place using map api and php local server

Deliverables

The finder website must consist of the following outcomes:

- Be a SPA
- Be able to locate on   a map and the location
- Use php to access the APIs
- Local storage of the   csv file
- Project Documentation
- GIT

Project Milestone

Proposed Start Date	11/11/2019
Planning Date	11/11/2019
Building Date	11-15/11/2019
Delivery Date	18/11/2019

Risks

The major risks include:

- Application of PhP to host the file
- Connection with the file system
- Manipulation with the file system using the API

- API with the map using the data of placeholder

In essence,

Risks	Risk level
PhP application of the file hosting	High
API	Medium

List of tasks to be performed:

1. Development of HTML5 and CSS of the complete website
2. Adequate PhP scripts for accessing the local storage
3. Host the local storage using XAMPP
4. Use a Map API to show the exact user location
5. Synchronize the work using GIT workflow
6. Testing and deployment of the complete site.

Following shows the details of the tasks to be performed including difficulty and priority level. Difficulty level is explained on a scale of 1 to 5 (5 being the most difficult). Priority is explained on the level of 1 to 5 (again 5 the highest parameter being the most prioritized work). Details also include estimated time for each task as designed before the group discussion.

Task	Priority	Difficulty	Estimated time(in hrs)
Build the webpage HTML5 and CSS	4	2	3

Local hosting	5	5	10
Php scripting	5	5	30
GIT workflow	5	1	Total project duration
Setting up the local server for connecting with API	4	3	1

Record of lessons learned:

- API's: how they work and how to get them into the   website
- PhP including, fgetcsv, fputcsv, $_GET, $_PUT etc.
- Javascript
- Setting up local server to host files etc.
- Maps API
- Single page application and efficient use of PhP based on javascript input from client side
- More hands on training on GIT.

Requirements for the project and the tools

- Javascript
- HTML5, CSS
- Bootstrap
- PhP
- Xampp
- GIT

Quality control for the project

- The quality control and testing is done by checking the HTML semantics on w3 schools and javascript validator
- At every level quality control is also done by checking the parameters of responsiveness etc. on different browsers
- GIT is used extensively during the projects to keep track of changes and easy project management
- Audit of the website is done on the google audits

Before the start of the project, following was created to as a basic guidance for progressing of the project.

The list of tasks to be performed:

1. Create the bare bones HTML and CSS

2. Add the csv file to php and create a local server

3. Start accessing the file

4. Get the google API for the map

5. redesign the css and HTML5

6. finish the project