

1.Introduction

With this project we want to create an application that can be used to determine the closest locations on a map. A map which contains locations across the world and uses a map similarly to the open street map database. The locations include hospitals, parks, schools etc. When you click on a location on the map, it shows you the three closest of the selected location types (hospital, park etc.). The user can also search for a location on the map, or you can search by coordinates, which allows for faster navigation (assuming the user knows the location or its coordinates on the map). The goal of this project is to simulate an open map in the same sense as the one used by google, but extremely dumbed down, that being said the application will have some of the features that google maps has.

2.Requirements

2.1. Functional requirements:

- R1. The application will be available for download for multiple devices.*
- R2. The application will be updated in a given time period.*
- R3. The application will contain multiple options on how to view the map.*
- R4. The application will have a standard search box where names of locations and coordinates of locations shall be entered by the user.*
- R5. The application will show directions between two given points on a map.*
- R6. The application will show the distance between two points on a map.*
- R7 The application will allow users to zoom in or out of the map.*
- R8. The application will have an option to show the current location of the users.*
- R9. The places are stored in a file.*
- R10. The application will interact with external services.*

2.2. Non-functional requirements:

- R1. The application is simple to use.*
- R2. The application should support multiple users at the same time.*
- R3. Extension of the application with new location.*

2.3. Contextual requirements:

- R1. The application will have support of all of the popular web browsers In use today.*

R2. Valid (X)HTML, at least (X)HTML Transitional.

R3. No browsers plugins are needed to use the application.