

What'sOpen

Project Requirement Document

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Purpose

The website will provide a service that helps users find out if any specific places are open in a particular zipcode.

The website will provide the closest

1. Restaurants
2. Bars
3. Fast Food
4. Clinics

Project Scope

The web application will enable the user to efficiently look at the places that are open now based on the zip code. This application is most likely to attract tourists, who may be unaware of nearby places.

Requirements:

Functional Requirement:

Developer Requirements

1) Create Website that:

Allows user to choose:

- i) Zip Code
- ii) Desired establishment type
- iii) Time planned to visit establishment
- iv) Day of the week for planned visit

2) Provide all open

- a) Restaurants for particular Zip Code at a user specified time and day
- b) Bars for particular Zip Code at a user specified time and day
- c) Fast Food for particular Zip Code at a user specified time and day
- d) Clinics for particular Zip Code at a user specified time and day

3) Database Creation

- A. Database will store links to the provided open establishments
- B. Database will store addresses of the locations
- C. Database will store links to google maps driving directions for locations
- D. Database will store links to google maps walking directions for locations
- E. Database will store phone numbers of the locations
- F. Database will store opening and closing times for all establishments for each day of the week

4) Database Implementation

- A. Implement the database using MySQL and designed algorithm in database
- B. Retrieve data from database using HTML page and display on webpage as per user requirements

Non-Functional Requirement

1. Hardware Requirements

- A. Internet connection:
 - a. User needs to have reliable Internet connection from provider to use the software
- B. Physical network device:
 - a. User needs a physical device which can access internet
 - i. Examples: laptop, tablet, smart phone

2. Software Requirements

- A. Web Browser
 - a. Test all browsers' functionality
 - i. Internet Explorer, Firefox, Chrome, others.
 - b. User needs supported, updated browser to facilitate internet access
- B. MySQL database (PHPMyAdmin)
- C. Database is stored in MySQL
- D. Implemented with PHPMyadmin

3. Supportability Requirements

- A. System needs to support mySQL database
- B. System needs SQL supported browser
- C. System needs to support Google maps, needs to support directions
- D. For services that may be added later, user's system would need to support GPS and driving directions preferably through google maps
- E. Browser needs to be at least 6.0

4. Security Requirements

- A. For privacy reasons, We are not storing any user data in database later, we can keep user data to sell to businesses indirectly businesses can have us forward special offers to our users.
- B. When we do store user data, it will not be accessible by anybody, except administrator.
- C. For safe environment, and to avoid data manipulation, any changes can be done only by administrator.
- D. Use a secure database
- E. For user privacy, the strictest policy of securing user's data is implemented

5. Interface Requirements

- A. Back end interface needs to be MySql and PHP
- B. Front end html web page

6. Availability Requirements

- A. Information open source
- B. Anywhere anytime access
- C. No direct customer support available
- D. Should be small down time impact
 - a. Down time once a month for any updated business information
 - b. 5 9's of uptime

7. Accessibility Requirements

- A. Basic computer knowledge, internet access, knowledge of zip code, user can look up zip code and any nearby zip code
- B. Assume that businesses have a website
- C. Business website has 24/7 access besides maintenance time.