Indian Institute of Information Technology, Vadodara

Meetup

System Design Document

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Revision History

Name	Date	Reason For Changes	Version

Contents

1 Introduction

A software design document is written by the system designers in order to give the team an overall guidance of the architecture of the software project.

1.1 Purpose

A software design document explains in detail how the requirements identified in the requirements phase are to be implemented as well as giving the programmers a blueprint to follow. Once approved the document becomes a baseline for limiting changes in the scope of the project.

1.2 Scope

This document contains the low level design of application. The various modules have been identified and their interaction with each other is defined which enables the working of our system. The design of various modules outlined in this document builds upon the scope defined in the Requirements phase.This document will serve as a link between design team and coding team and will be frequently referred by coding team to build our system.

1.3 Tools Used

- Dia

- LaTeX

- Creately.com (Online Diagram Creator)

- proto.io (Online UI Creater)

1.4 Intended Audience

This document is for the developers and the technical team for reference during the coding and testing phase(Implementation Phase).

2   System Overview

2.1   User Characteristics

- Literate - Yes

- Language Proficiency - Can read/understand/write English

- User has basic knowledge of using a computer and of using a browser.

2.2   System Objectives

- User gives the input of City name and Food name.

- When user searches, user gets redirected to unique URL.

- User can share the link of the resulting URL.

- User should be able to vote to a restaurant.

- User should also be able to see in detail on clicking the restaurant name.

- When User gets redirected to unique URL, the page shows the relevant restaurant satisfying the user inputs

- Whenever user make votes, the changes should be made across all other users tabs.

- Other user to whom the link is shared should be able to see same result as of the user who created it.

- User should be able to share it via Share button.

- User should be able to copy the link using Copy Link button.

3   Design Overview

3.1   Approach

The website can implement the following functionalities:

- User should be able to input City name and Food name.

- User should be able to search with the given inputs.

- User should be able to share via Share button.

- User should be able to copy link via Copy Link button.

- User should be able to Vote for the restaurant.

- User should also be able to cancel there vote against a restaurant.

- User with whom the link is shared should be able to see the results of HTML page and should be able to vote.

3.2 Hardware Requirements

The user only requires a computer or a smartphone with a browser and internet access to use the website.

3.3 Software Requirements

We are using Django framework for the backend development and we are using PyCharm as the IDE for the same and HTML, CSS mostly for frontend development.

3.4 Description of Modules

3.4.1 User making Search

- **Creating Search** The user can make search based on his/her desired inputs.

- **Voting** User is able to vote for the desired restaurants.

- **Link Sharing** User should be able to share the link either via copy link button or share button.

- **Restaurant Detail** User should be able to look upto the details of restaurant when clicked on restaurant name.

3.4.2   Invited User

- **Voting** User should be able to vote for desired restaurants.

- **Link Sharing** User should be able to share link either via copy link button or share button.

- **Restaurant Detail** User should be able to look upto the details of restaurant when clicked on restaurant name.

4   Low Level Designs

Low level diagrams of our projects includes:

1. Use Case Diagram

2. Data flow diagram

3. Activity Diagram

These diagrams are a bit large and it is not being possible for us to add these diagrams in one page in this document.So, we have created separate folders for all these and we have added diagrams separately in these folders.