Software Requirements Specification

Google Street View

Version 1.0

Prepared by:

Manish Prajapati

Vaibhav Solanki

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1.0. Introduction

1.1. Purpose

The purpose of this document is to present a detailed description of the Google Street View. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the Regional Historical Society for its approval.

1.2. Scope of Project

This software system will be a Google Street View for explore the world in 360 degree. The software application is provide to you can capture the photos of that place in such way so that you put this place's 360 degree view in front of public so everybody see that and feel like he/she is there and how the place is look when he will there.

Simply Google Street View give to idea about that place more than the Google map software application.

1.3. Technologies to be used

For 360 degree view: Adobe flash

JAVA: Application architecture

JAVA SCRIPT: For interface of application

1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

2.OVERALL DESCRIPTION

2.0 Functional Requirements

2.1 : MAP AND GPS

2.1.1 Title: Google Map

Input: map from google

Description: gives the map of all over the world by google maps

Output: Map of world

2.1.2 Title: GPS location

Input: click on track GPS icon

Description: The user tracks their location by Global postioning system and finds her recent location through it.

Output: gives location of user

2.2 collections

2.2.1 Title: Featured collection

Input: click on Featured collection

Description: display the collection of 360 degree view of all country places around the world.

Output: collection of 360 view list of all around the world

2.2.1.1 Title: country collection

Input: click on specific country collection

Description: gives specific country collections of 360 degree view of photos

Output: all places of specific country

Depends on: **Featured collection**

2.3 EXPLORE

2.3.1 Title: Top 100 360 degree view

Input: click on Explore

Description: gives top rating places from all around the world

Output: 360 degree view list of all top places

2.4 PROFILE

2.4.1 Title: Profile of User

Input: Click on Profile

Description: Gives the profile of user and their shared 360 degree view photos

Output: profile details

2.5 Private

2.5.1 Title: Import 360 view

Input: click on import

Description: it allows to import user's 360 degree view from their devices**.**

Output: 360 degree view

2.5.2 Title: capture

Input: capture 360 degree view

Description: it allows to caputure photos from user's device and make 360 degree view of all photos captured by user.

Output: 360 view of user's captured photos

2.6 Search

2.6.1 Title: Search places

Input: name of place

Description: From input it gives matching place and their 360 view on map

Output: 360 degree view of place

2.7 AVAILABLE FOR HIRE

2.7.1 Title: Hire people

Input: click on hire

Description: it hires the people for updating the 360 degree view of places around the world and allow to join local community of their nearby place.

Output: hire confirmation

3.0 Non Functional Requirements

3.1 Data capture equipments

- Requires high quality lense camera of different types to shoot photos of high quality.
- Need vehicles that capture 360 degree view of place.

3.1.1 positioning

- Require to collect all photos and align them in proper way and merge in to 360 degree view.

3.2 Develoment requirement

3.2.1 android platform

- Require android sdk and computer with 1 gb ram and quad core processor with connectivity of internet.

3.2.2 web platform

- Require coding platform for website and server.

3.3 User requirement

- Require high speed internet and android device with 4.0 version or more with camera of at least 14 MP.

4.0 Constrains

- User can see only recorded and published places of all around the world.
- User must be sign in into google account first to see the 360 degree view.
- High speed internet is required for high quality images.