**Project Plan**

**GeoVoyage Mobile App**

**GeoVoyage**

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# 1. Introduction

## 1.1 Foreword

The purpose of this document is to provide information about the GeoVoyage project. It will include the project schedules, risks, project team, and the work break down structure. This plan will:

* Provide a general product description.
* Identify required resources.
* Identify schedules and activities to be performed.

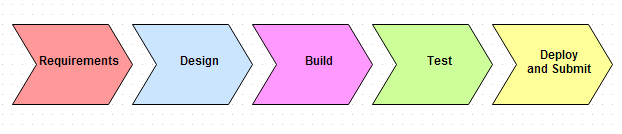
## 1.2 Background

This project is to provide a mobile web application that will act as a visual guide for travellers.

The application will use either the user’s GPS in their device using HTML5, or Google Maps API v3 Geocoding service to provide geographic coordinates to push to Google Places API to get a list of places and their coordinates. The coordinates will be used to pull pictures from a service like Flickr or Panoramio.

# 2. Project Organization

## 2.1 Development Model



## 2.2 Project Team

The table below lists the members of the GeoVoyage project team. The project team consists of two members.

|  |
| --- |
| **Project Team** |
| Kevin Post (Project Manager, Developer, and Internal Tester) |
| Lovely Lopez (Web designer, Developer, and Internal Tester) |

# 3. Risk Analysis

### 3.1 Risk Analysis

|  |  |  |
| --- | --- | --- |
| **Risk** | **Affects** | **Descriptions** |
| **Schedule Conflicts** | **Different schedules** | **Team members are commuting and have different schedules.** |
| **Limitation of Google Geocoding queries per day** | **Usage limits** | **There is a limitation in geocoding request per day.** |
| **New to backbone.js** | **Beginners in backbone.js** | **Both team members are new to backbone.js and will have to learn the code.** |
| **Implementation of the APIs** | **Very limited experience in APIs** | **Figure out how to connect APIs to the web mobile application and make it work properly.** |

### 

### 3.2 Risk Analysis (i)

|  |  |  |
| --- | --- | --- |
| **Risk** | **Probability** | **Effects** |
| **Schedule Conflicts** | **Moderate** | **Limited meetings** |
| **Limitation of Google Geocoding queries per day** | **Low** | **Limit use of feature when it reaches a daily query cap** |
| **New to backbone.js** | **High** | **Take extra time to learn it** |
| **Implementation of the APIs** | **High** | **Take extra time to implement it** |

### 3.2 Risk Analysis Strategy

|  |  |
| --- | --- |
| **Risk** | **Solution / Mitigation** |
| **Schedule Conflicts** | **Online communication** |
| **Limitation of Google Geocoding queries per day** | **It is unlikely that we will reach the daily query cap** |
| **New to backbone.js** | **Take extra time to learn it early** |
| **Implementation of the APIs** | **Use static files before implementing the APIs** |

# 4. Hardware and Software Requirements

**Hardware**

* Web server to host application

**Software**

**Libraries/Frameworks**

* backbone.js
* jQuery Mobile

**API Services**

* Google Maps API v3
* Google Places API
* Flickr or Panorama API

# 5. Schedule and Work Breakdown Structure

