1. INTRODUCTION

This document is a software requirment specification(SRS) for the web portal for partition project. This project is regarding development of interactive web portal for digitization of change in lives of people and their culture and language due to relocation of their homes in time of partition. Website is supposed to be a collaborative platform for people to submit their analysis,vlogs and audio of places they visit in vicinity of border area.

1.1 PURPOSE

This document is to specify complete description of the web portal for the partition project. It is an agreement between client and developer about the product to be developed. Through this document the workload needed for development, validation and verification will ease. This document will describe functionality, interface, dependencies, performance and design constraints of the web portal to be developed. Therefore, the intended reader group for the software requirement specification as the client and the users.

1.2 SCOPE

This project is intended to create a ineteractive web portal for portraying life and experience of people who suffered relocation due to partion of nation. There is no proper webportal with compiled and plausible interface with experience of people inthe form of vlogs, articles, pictures, cultural and linguistic changes with time.

With use of GIS mapping for directing user to compiled version of all the posts of chosen region.

## 1.3 Definitions, Acronyms, and Abbreviations

GIS: Geographic information system

It is a system dwsigned to capture, store, manipulate, analyze, manage and present spacial or geographic data.

## 1.4 References

1.5 OVERVIEW

We are going to focus on describing the system in terms of product percepective, product funtions, assumptions and dependecies in the following document. Additionally user requirements for performance and ease of navigation will be inclosed.

2. GENERAL DESCRIPTION

This section gives background information about specific requirements of the web portal service to be developed in brief. Although we will not describe evry requirement in detail this section will describe the factors that affect the final product.

2.1 PRODUCT PERCPECTIVE

This web portal is eventually intended for the user with curiosity and appreciation of history of the partition. User is not required to register on the website for accessing the information. However, if a user desires to contribute to the website he/she needs to register. The articles will be stored on main server while videos will be embedded from youtube.

From the user point of view he/she will be able to access the content in view mode only, and they will be able to comment, upvote/downvote a post and give suggestions to the author.

A collaborator will be able to upload, edit and delete their content. The article will be posted only after approvel of the moderator.

Moderator is a collaborator with a minimum upvote threshold. They are responsible for approving post of other collaborators. To start with Admin is the sole moderator. Depending upon the load admin will adjust threshold for vary number of moderators.

A little number of webportal are based on this concept of digitization of history of World War, french revolution and partition(links are provided in reference).

<https://in.1947partitionarchive.org/>

<http://www.indianmemoryproject.com/tag/partition/>

<https://mittalsouthasiainstitute.harvard.edu/oral-histories-project/>

<https://livesofthefirstworldwar.org/>

<http://www.thememoryproject.com/stories/WWI>

<http://www.westboroughk12.org/cms/One.aspx?portalId=35937&pageId=890017>

2.2 PRODUCT FUNCTIONS

Functions are provided to user, collaborator,moderator. User is provided with function to choose posts based on village through gis maps, all posts will be shown once a post is chosen and vlogs, audios, pictures and data can be viewed, user can comment, upvote and address the author for suggestion. Collaborator can upload vlogs, audio, pictures and data after signing up. Moderator is a collaborator whose upvotes are above a threshold, it’s duty is to approve bolg of a collaborator before being posted.

2.3 USER CHARACTERISTICS

This web portal is eventually intended for the user with curiosity and appreciation of history of the partition. An easy to use interface is incorporated and there will be a help section to guide through a user.

2.4 GENERAL CONSTRAINTS AND DEPENDENCIES

Since the website will be hosted on a centralized main server, appropriate software needs to be preinstalled and enough space for storage of content is required.

Required softwares are:

* Python
* Flask
* Flask-Assets
* SQLAlchemy
* HTML+Bootstrap/CSS

The end user accessing the website the recommended system requirments are:-

* Windows XP or newer
* Android 4.0+
* iOS 7.0+
* macOS 10.7+
* Chrome 38
* Firefox 33
* Safari 7.0+

3. SPECIFIC REQUIREMENTS

With this section and later, we will describe the requirements of the software in detail. Basically, we will categorize requirements in following sections, which are namely external interface requirements, functional requirements and non-functional requirements.

3.1 External Interface Requirements

The Webportal will be the main Graphical User Interface for the users. Through the website, user will be able to access the content. Additionally, moderators and the Admin will have some elevated priveldges (that will be discussed in the next sub-section).

3.2 Functional Requirements

Detailed construct of the various pages with their functionalities has been discussed below.

### 3.2.1. Home Page

|  |  |
| --- | --- |
| **Use Case Name:** | Home Page |
| **Priority** | Essential |
| **Basic Features** | 1. GIS map which is used for selection of region for related posts. 2. To navigate to varrious pages namely about. 3. Login form for collaborators. 4. Reference links to related websites 5. Suggested posts ae displayed on the bottom part. |

### 3.2.2. List of posts Page

|  |  |
| --- | --- |
| **Use Case Name:** | list\_of\_posts |
| **Priority** | Essential |
| **Basic Features** | 1. list of posts related to region chosen are shown  2. upvote associated to each post are displayed  3. list can be sorted by means of upvote or newest. |

### 3.2.3. post Page

|  |  |
| --- | --- |
| **Use Case Name:** | post |
| **Priority** | Essential |
| **Basic Features** | 1. Quick navigation to a sub section of post is provided  2. videos, pictures, text can be viewed along with ‘About the Author” section.  3. A comment section is provided for readers.  4. Author can be suggested something by tagging them in comment section. |

### 3.2.4. About Page

|  |  |
| --- | --- |
| **Use Case Name:** | about |
| **Priority** | Essential |
| **Basic Features** | 1. Introduction about the website  2. Contacts are provided  3. Basic guide for usage is provided. |

### 3.2.5. Resources Page

|  |  |
| --- | --- |
| **Use Case Name:** | resources |
| **Priority** | Essential |
| **Basic Features** | All important links regarding the cause have been listed here. |

### 3.2.6. Sign in/Sign up Page

|  |  |
| --- | --- |
| **Use Case Name:** | Sign in/Sign up |
| **Priority** | Essential |
| **Basic Features** | 1. User can sign up to collaborate after reading and accepting terms and conditions .  2. Collaborator can sign in.  3. An option for “Forgot Password” is provided. |

### 3.2.7. Make a post Page

|  |  |
| --- | --- |
| **Use Case Name:** | Make\_a\_post |
| **Priority** | Essential |
| **Basic Features** | Easy and intuitive interface for making a post, along with links of youtube videos by the author. Integrated anti plagiarism detector befor sending for approval. |

### 3.2.8. Dashboard Page

|  |  |
| --- | --- |
| **Use Case Name:** | Dashboard |
| **Priority** | Moderate |
| **Basic Features** | A collaborator’s dashboard will have various tools for uploading and managing the posts. They can edit their profile here. All the suggestions will be noyified to collaborator here.  A moderator’s dashboard other than collaborator’s dashboard will have a section for approving posts of other collaborators .  An admin’s dasboard other than moderator’s dashboard will have section to modify the eligibility of qualifying for moderator and blacklist a collaborator/moderator. Admin can flag a post for reapproval. |

### 3.2.9. Profile Page

|  |  |
| --- | --- |
| **Use Case Name:** | profile |
| **Priority** | low |
| **Basic Features** | The profile of a collaborator can be viewed here. They can view their total upvote count and all his previous posts. |