# 

## 

Language Translation

Requirements Document

**Document Change Control**

The following is the document control for the revisions to this document.

|  |  |  |  |
| --- | --- | --- | --- |
| **Version Number** | **Date of Issue** | **Author(s)** | **Brief Description of Change** |
| 0.1 | 4 Apr 2014 | R.Robinson | Initial document |
|  |  |  |  |
|  |  |  |  |

**Definition**

The following are definitions of terms, abbreviations and acronyms used in this document.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| PCV | Peace Corps Volunteer |
| Chuuk | Chuukese |
|  |  |
|  |  |
|  |  |
|  |  |

Table of Contents

[Overview 3](#_Toc386528679)

[1. Background 3](#_Toc386528680)

[A. The Problem and Challenges 3](#_Toc386528681)

[B. Scope 3](#_Toc386528682)

[Functional Requirements 4](#_Toc386528683)

[1. Administrator Functionality 4](#_Toc386528684)

[A. Enter installation contact information 4](#_Toc386528685)

[B. View installation contact information 4](#_Toc386528686)

[C. Enter volunteers contact information 4](#_Toc386528687)

[D. Edit all records 4](#_Toc386528688)

[2. Volunteer Functionality 4](#_Toc386528689)

[E. Enter profile information 4](#_Toc386528690)

[F. View profile information 4](#_Toc386528691)

[G. Enter other local user information based on rights/access 4](#_Toc386528692)

[H. Use application as a contributor 4](#_Toc386528693)

[3. Contributor Functionality 5](#_Toc386528694)

[I. Sign Up as a contributor 5](#_Toc386528695)

[J. Upload photo of object 5](#_Toc386528696)

[K. Add text in English 5](#_Toc386528697)

[L. Add phonetic text 5](#_Toc386528698)

[4. Application Functionality 5](#_Toc386528699)

[M. Work offline 5](#_Toc386528700)

[N. Update content automatically 5](#_Toc386528701)

[Appendix 6](#_Toc386528702)

# Overview

## Background

This project initially started out as the Chuukese Picture Dictionary project submitted by Peace Corps Volunteer working in Micronesia with the Chuukese people (Chuuk). The Chuuks have no written language and the volunteers assigned to the community are charged with learning and helping to start with English translation for Chuuk verbal words with photos.

### The Problem and Challenges

One of the main problems the PCVs have is that they have to learn Chuuk verbally. They can point to an object and learn the Chuuk word verbally and translate into English verbally. They want to be able to take a photo of an object, upload it to a web application and provide English translation and Chuuk phonetic languages. An additional issue is that this web application must be able to work offline because often times PCVs do not readily have Internet access. The web application must work offline and update automatically all new and existing translations when Internet is available.

### Scope

The scope of work for this project implementation should be as follows.

1. Designed with Peace Corps overall country/installation login so that all PCVs can use this application at any installation.
2. Administrative tasks for country/installation.
3. Users profile and entries for language translation

The Peace Corps wants synergy around their software development and project manager will ensure to work with other project managers of other projects so that design behavior, look and feel and functionality are in sync.

# Functional Requirements

This first release is specific to Chuukese PCVs, however, design and development approach should maintain consistency of other Peace Corps projects. Some of the determining factors of design is from a user perspective.

The following user case is addressed:

* Administrator
* User/Volunteer

## Administrator Functionality

Administrative functionalities for the new Language Translation web application should include:

### Enter installation contact information

Administrator should be able to enter installation contact information.

### View installation contact information

Administrator should be able to enter installation contact information.

### Enter volunteers contact information

Administrator should be able to enter volunteers who are assigned to country.

### Edit all records

Administrator should be able to view/edit volunteer records for administrative purposes.

## Volunteer Functionality

### Enter profile information

Volunteer should be able to enter and update profile information.

### View profile information

Volunteer should be able to view profile information.

### Enter other local user information based on rights/access

Volunteer should be able to enter other local users.

### Use application as a contributor

Volunteers should be able to use application as a contributor.

## Contributor Functionality

Contributors are users that are providing content to local language translations.

Some of the contributor features should include:

### Sign Up as a contributor

New users should be able to sign up to be a contributor with minimal information.

#### Enter Name

#### Create Username

#### Create Password

### Upload photo of object

Contributor should be able to upload photo.

### Add text in English

Contributor should be able to add content to photo in English.

### Add phonetic text

Contributor should be able to add content to photo with phonetic text.

## Application Functionality

There are certain specific functionalities the application should be able to manage.

### Work offline

Application should be able to allow users to use application offline when there is no Internet access.

### Update content automatically

When Internet is available, the application should update all content (new/edited) automatically so users will work with latest information.

# Appendix