Software Requirements Specification
for
JOffre web application

National School for Computer Science
Web Engineering Module: Java EE Project
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conform to the IEEE 830-98 Software Requirements Specification Standards

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Revision History

Revision	Date	Author(s)	Description
1.0	14.02.2021	R.Abdelghani	initialisation and specs definition

Chapter 1

Introduction

1.1 Purpose

During the coronavirus era people are simply becoming helpful and heroic in small ways. Donations are severely increased and people are giving more to help each others. Particularly, Morocco has seen an increase in Facebook groups that are made for sharing purposes. People offer using those groups services or articles of all kinds to be given for free to anyone from the group who needs them.

Facebook groups are not adapted for this use case. In fact, you can't order the posts in the group by city to find offers near you, you can't go around the Facebook algorithm to order posts by time to see last offers first and yet you can't categorize offers.

The proposed solution is to build a website that is adapted for this use case that handle the problems mentioned earlier.

1.2 Intended Use and Audience

The Project will be used as a Web Engineering project at the National School for Computer Science. Furthermore, It is a contribution to the open source community on github. With that being said, this SRS is for developers, project managers, users and testers.

1.3 Product Scope

This SRS identify the functional and non-functional Requirements Of the project web Application.

Chapter 2

Overall Description

The main goal of this project is to create an alternative to Facebook sharing groups that is adapted to the use case.

2.1   User Classes and Characteristics

The donation application has basically 1 type of users

- Regular user

In fact, a regular user has the ability to be a donor and a recipient at the same time.

2.2   Operating Environment

The application will be operating on Container precisely on a Docker environment.

Chapter 3

Requirements

3.1 Functional Requirements

3.1.1 User can posts an offer

3.1.1.1 An offer must contain at least the following informations: title, description, city, category, date of posting and a photo of the offer.

3.1.1.2 A user must have the possibility to import images for the offer or to post with no images.

3.1.1.3 This action must require authentication.

3.1.2 User can terminate his posted offers

3.1.2.1 User can mark his offer as donated/terminated.

3.1.2.2 This action must require authentication

3.1.3 User can contact the offer's owner by the messaging system

3.1.3.1 User can contact the offer's owner using a simple send and receive messages chat system.

3.1.3.2 This action must require authentication.

3.1.4 User can add an offer to his favorite list

3.1.4.1 This action must require authentication

3.2 Non Functional Requirements

3.2.1 User authenticate to the web app using his Facebook account

3.2.2 User can get the offers Listing after specifying the city, keyword or category fields

3.2.3 The Web application is intended to operate in a Docker container