

# School Donation Board

## 1. Introduction

### 1.1 Purpose

The purpose of this document is to present a detailed description of the Web Application. This is made only for Fresno State students. The user is for students of Fresno State who want to give up items that will help other students especially for those in dorms and others who are tight on spending but still need required materials for certain classes. This is an avenue to help find what they're looking for and create a system in which it's through a familiar environment when it comes to the exchange. The goal is having a more stress-free journey through college and having the cycle of having fellow students helping future students prosper in the environment. This application will also deal with a forum in which students can post questions or have discussions on certain classes, general guidance, and tips to get them ahead and prepared.

### 1.2 Scope

This project is aimed at providing a means for students to donate items they no longer need within their college community. The target audience for this application are students attending the school where this is implemented.

Users will be able to create listings and view listings posted by others to donate something or see if they can find an item they are interested in. An administrator will be able to moderate these listings and users. The moderation will consist of removing listings and revoking user access.

This web application will require internet access and a verified school email address. Internet access is required to access the website and is used to transfer information to the database.

### 1.3 Definitions

Term	Definition
User	Person that can create listings and forum posts
Admin	Person who has ability to moderate listings and forum posts by removing listings and posts. As well as banning users.
Database	Collection of all information within web

	application
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## 1.4 Overview

This wiki will encompass a detailed description of all the components and functionality of this web application. This wiki will explain the web application's functionality, the needs of the users, assumptions for the application, and the needed dependencies needed for each component.

## 2. Description

### 2.1 Product Perspective

This product will be centered on a web page accessible on both desktop and mobile. Both will be able to interact with the database, adding new listings and viewing listings. The web application will be accessed by the users and will communicate with the database to retrieve the listing information. The route of communication for both interactions will be through the internet.

### 2.2 Functionality

Through the website users will be able to create and view listings on the website, message other users, and give feedback on their experience. When searching through the listings the user should be able to filter by category. They will also be able to create their own listings to post onto the website.

### 2.3 User Needs

Users log in with their Fresno State credentials and there is a check made to verify.  
 Users can look for certain product based on a categories displayed by the website  
 Users can click on product they're looking for and message user  
 Users can not travel to space using this web application... yet  
 Users can post a product they're donating with a picture required by the user  
 Users can go to forums and search by class subject  
 Users can post on the forum which requires a subject and category with the ability to post an image (jpeg or png).  
 Users can go to their profile page and edit their profile  
 Users can go to another students profile page view

### 2.4 Assumptions and Dependencies

The product assumes the following:

- A user is a current Fresno State Student with access to their Fresno State email address
- A user has access to a mobile or desktop device to access the web application
- A user's device has internet access capabilities

## 3. Requirements

### 3.1 Functional Requirements

**ID: FR1 - User/Admin Login Page**

Description: The page where the user logs in.

Rationale: The user needs a page to verify they are the person that is logging into their account.

Dependency: None

**ID: FR2 - User Registration Page**

Description: The user can access the registration page through the login page. The user will provide their Fresno State email and a password to register.

Rationale: For the user to register for the web application

Dependency: None

**ID: FR3 - Homepage**

Description: The landing page after login for the user.

Rationale: A general page that the user can navigate to other features to.

Dependency: FR1

**ID: FR4 - Navigation Bar**

Description: A bar on the near top of the web page to indicate shortcuts to other pages of their choosing

Rationale: Provide ease of access to other pages on the application

Dependency: FR3

**ID: FR5 - Create Donation Post**

Description: The user will be able to create a donation post by inputting a subject, description and image.

Rationale: Users need to be able to create listings for their donations.

Dependency: FR4

**ID: FR6 - Create Forum Post**

Description: The user will be able to a forum post by inputting a subject and description and optionally add images.

Rationale: The user needs to be able to create listings for their donations.

Dependency: FR4

**ID: FR7 - View Donation Listings**

Description: The user will be able to view all available donation listings and interact with them.

Rationale: The user needs to be able to see the donation listings in order to show interest in them.

Dependency: FR4

**ID: FR8 - View Forum Posts**

Description: The user will be able view all available forums posts based on the category picked and interact with them.

Rationale: The user needs to be able to see the forum posts in order to interact with them.

Dependency: FR4

**ID: FR9 - Delete Donation Post**

Description: The user and admin will have the ability to delete a post.

Rationale: To have a more ease of access for what's current and having unwanted posts

Dependency: FR7

**ID: FR10 - Delete Forum Post**

Description: The user and admin will have the ability to delete a post.

Rationale: To have a more ease of access for what's current and having unwanted posts

Dependency: FR8

**ID: FR11 - Profile**

Description: The user can access their profile from the navigation bar and will contain information they input into the web application.

Rationale: The user needs be able to view their information

Dependency: FR4

**ID: FR12 - Edit Profile**

Description: Users will be able to change their profile information through their profile.

Rationale: The user needs to be able to update their profile

Dependency: FR11

**ID: FR13 - Send Messages**

Description: Users will be able to send messages to other users based on Donation Listings or Forum Posts.

Rationale: The user needs to be able to interact with other users

Dependency: FR7, FR8

**ID: FR14 - View Messages**

Description: User will be able to view messages sent or received from their profile

Rationale: To be able to access message activity

Dependency: FR11

## **3.2 Non-Functional Requirements**

**ID: FR1 - Device Requirements**

Description: A device capable of accessing the internet and web browsing at a consistent and stable performance otherwise the website may not function properly or function at all.

ID: FR2 - **Internet**

Description: An internet connection is required to access the web application.

ID: FR3 - **School email**

Description: A school email is required for sign up to the web application in order to verify that users are from the school.