

Software Requirements Specification

(SRS) Document

LovelyLawns

05/20/2024

Version 1

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## 1. Project General Description

The objective of the Lovely Lawns web application is to allow users to connect with other users who share an interest in taking care of plants, their lawns, and/or gardens. Lovely Lawns will allow users to share or post any question/s related to the application's objective, stated above, for other users to answer and vice versa.

## 2. Product Features

Lovely Lawns is designed to help connect users with the same interest. Below are the features and functions that allow the user to do so:

**Content Preference:** Users can like/subscribe to certain posts or forums which will be more readily accessible on the right sidebar so they can revisit their favorite forums and see new updates on them.

**Personal Profile:** Users can create custom names and profiles which will also display their own created posts/forums as well as the forums they are subscribed to reflect their preferences.

**Creating Posts:** Users can create their own posts or forums in which they can obtain help from people more experienced in a certain subject or in a forum they could have a "meeting place" for people interested in a particular flower for example. The users would be able to communicate with many other users by creating their own posts and replying to others.

**Respond to other Users:** Users can reply to posts or forums that will be visible to other users that view the post.

### 3. Functional Requirements

- FR0: The app will allow all users to create a profile.
- FR1: The app will allow all users to modify their profile.
- FR3: The app will allow users to save posts.
- FR4: The app will allow the user to view their saved posts.
- FR5: The app will allow administrators to delete posts and comments.
- FR6: Accounts will be protected by login pages with passwords.
- FR7: Administrators will be assigned.
- FR8: The app will allow users and providers to reply to posts.
- FR9: Administrators will be able to delete comments and posts.
- FR10: Administrators will be able to posts announcements that will be pinned to the top of the page.

#### 4. Non-Functional Requirements

- NFR0: Will generate a list of posts and generate more as the user scrolls so that the system can avoid being overwhelmed
- NFR1: Users can view their liked/subscribed posts or forums quickly on the right sidebar and that webpage will display the posts and most recent replies to them quickly.
- NFR2: The replies of other users will be visible after refreshing the page.
- NFR3: When the user refreshes the page, the loading time should take no more than five seconds.

## 5. Scenarios

### a. Users

#### i. Create new post/forum

- **Initial Assumption:** The user has an account, is logged in, and on the main page.
- **Normal:** The user will see two buttons: “Create New Post” and “Create New Forum”.
- **What Can Go Wrong:** The user may click the exit button on accident. There will be a popup to make sure the user intended to click the exit button.
- **System State on Completion:** The user will have created a new post.

#### ii. Save Post

- **Initial Assumption:** The user has an account, is logged in, and viewing a post.
- **Normal:** The user can click a save button to save the post
- **What Can Go Wrong:** The user may not intend to save the post. They can go to their saved posts and remove it.
- **System State of Completion:** The user will have saved the post and it can be seen in their saved list.

#### iii. View Past Posts

- **Initial Assumption:** The user has an account, is signed in, and has posted something.
- **Normal:** The user will see a button to view their post/s.
- **What Can Go Wrong:** The user clicks on it by accident. If so, they can click on the “Return to Home Page” button.
- **System State of Completion:** The user will have clicked on the “My post/forum” button and see their post/s pop up.

#### iv. Create Account

- **Initial Assumption:** The user does not have an account.
- **Normal:** The user can create an account using their email address and a password. They will be asked to provide a username for their account.
- **What Can Go Wrong:** The user provides an invalid email address.
- **System State of Completion:** The user will have created an account for LovelyLawns using their email address and password.

#### v. Modify Account

- **Initial Assumption:** The user has an account and is signed in.

- **Normal:** User changes account info i.e.: name, bio
- **What Can Go Wrong:** Mistakenly change something they didn't want to (ask to save changes if changes were made)
- **System State of Completion:** User goes to their account and changes the username or password, saves the changes, and then continues.

#### vi. Login

- **Initial Assumption:** The user has an account but is not signed in.
- **Normal:** The user will enter their email address and password associated with their account.
- **What Can Go Wrong:** The user enters in an invalid email address and/or password.
- **System State of Completion:** The user will have entered in the correct email address and password associated with their account and see the home page.

#### vii. Remove Saved Posts

- **Initial Assumption:** The user has an account, is logged in, and has a saved post.
- **Normal:** The user can click the button to remove the post from their saved list.
- **What Can Go Wrong:** The user can click the button to remove the post on accident. There will be a button to ensure that the user meant to remove the post from their list.
- **System State of Completion:** The user will have removed the post from their saved list.

b. Provider

i. Login

- **Initial Assumption:** The provider has an account but is not signed in.
- **Normal:** The provider will enter their email address and the password associated with their account.
- **What Can Go Wrong:** The provider enters in the wrong email address and/or password.
- **System State of Completion:** The provider will have entered in the email address and password associated with their account and see the home page.

ii. Create Account

- **Initial Assumption:** The provider does not have an account.
- **Normal:** The provider can create an account using their email address and a password. They will be asked to provide a username for their account.
- **What Can Go Wrong:** The provider enters in an invalid email address.
- **System State of Completion:** The provider will have created an account for LovelyLawns using their email address and password.

iii. Modify Account

- **Initial Assumption:** The provider has an account, is logged in.
- **Normal:** Provider changes account info i.e.: name, bio
- **What Can Go Wrong:** Mistakenly change something they didn't want to (ask to save changes if changes were made)
- **System State of Completion:** Provider will have modified their account and saved the new information.

iv. Reply to post/forum

- **Initial Assumption:** The provider has an account, is logged in, and viewing a post/forum.
- **Normal:** The provider can click the reply button to respond to the post.
- **What Can Go Wrong:** The provider did not intend hit the reply button. There will be a cancel button that make sure the provider intends to cancel the reply.
- **System State of Completion:** The provider will have responded to the post. Their reply will be visible.

c. Administrator

i. Login

- **Initial Assumption:** The administrator has an account but is not signed in.
- **Normal:** The administrator will enter in their email address and password associated with their account.
- **What Can Go Wrong:** The administrator enters in an invalid email address and/or password.
- **System State of Completion:** The administrator will have entered in the email address and password associated with their account.

ii. Delete Posts

- **Initial Assumption:** Administrator has an account and is logged in.
- **Normal:** Admin selects a post to delete and removes it from the list of forums/posts
- **What Can Go Wrong:** Deleting the wrong post (will be saved in logs and can be undone/reposted)
- **System State of Completion:** Admin deletes post, and it is removed from the list and is no longer visible.

iii. Delete Comments

- **Initial Assumption:** Administrator has an account and is logged in.
- **Normal:** Admin selects a comment to delete and removes it from the post
- **What Can Go Wrong:** removing the wrong comment (will be saved in logs and can be undone/reposted)
- **System State of Completion:** Admin removes comment/reply that is considered inappropriate.

iv. Post Announcements

- **Initial Assumption:** Administrator has an account and is logged in.
- **Normal:** Administrator posts an announcement that is pinned at the top visible by all users.
- **What Can Go Wrong:** The administrator clicked to make an announcement but did not mean to. There will be a cancel button that asks if the administrator intends to cancel the announcement.
- **System State of Completion:** The administrator will have posted an announcement pinned at the top visible to all users.