

Assignment 2: Software Requirements Specification

Team: Group 3: Farmified

Project Title: Agriculture Service Platform

GitHub: <https://github.com/UNO-CSCI4830/Farmified/issues>

Members:

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Meetings date	Participants
10/06/2025	All members
10/13/2025	All members
Every Monday	All members

Stakeholders	Requirements
Users	FR1: Login screen. FR2: Sign up screen. FR3: Homepage. FR4: Sign out button. FR5: Forgot password. FR6: Database screen. FR7: Search database.

	FR8: Messages screen. FR9: Send messages. FR10: Create profile. FR11: View profiles. FR12: Edit profile. FR13: Search profiles. FR14: Notification system.
Server	FR15: Show current crop sale prices. NR1: Add crop to database. NR2: Change price/s. NR3: Data backup. NR4: Recommendation system.
All	NR5: Performance.

FR1. Login screen		
Goal: The Website will prompt users to log in when it is first loaded		
Stakeholders: Users		
When the website is initially loaded, it will ask users to log in with an email and a password. This screen will display different error messages depending on whether the email or password is wrong. After logging in, it will redirect the user to the main website.		
<u>Origin:</u> Based on the initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR2. Sign up on screen		
Goal: The goal of this is for the user to create a farmer account or a customer account for future login access.		
Stakeholders: Users		
On the screen pop-up under the login box, there would be an option for users to sign up either as a farmer or as a customer, in case they do not have an account. This account allows more functions within the website		
<u>Origin:</u> Based on initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR3. Home Page		
Goal: The goal of the home is to give an overview of the website and display controls for the core function of the website		
Stakeholders: Users		
This is exactly what it sounds like, the home screen is the page where users are going to make their most traffic, on it are some key controls and links for the core function of the website are and will probably be used the dispatch to other pages within the website		
<u>Origin:</u> Based on the initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR4. Sign out button		
Goal: This button will be present in the profile menu where in case the user does not want his account, it can simply be signed out.		
Stakeholders: Users		
Simple sign-out button to allow users who sign in to systems that are not theirs can signout properly in so that security is not compromised		
<u>Origin:</u> The origin of this FR came as an expansion of the profile systems we are trying to implement		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR5. Forgot Password		
Goal: The goal of this FR is to allow user who forget their password a way to get back their account access		
Stakeholders: Users		
This is a simple forgot password button which would in theory, send an email to the user, which would prompt the user to re-enter the password		
<u>Origin:</u> This FR originated as an outcome of having a profile system were users can have their accounts		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR6. Database screen		
Goal: The goal of this FR is to display the database and all the important information about it.		
Stakeholders: Users		
This is where the information about the crops is located, mainly as a way to connect the digital database and display it in a way that is easy to read.		
<u>Origin:</u> This originated from the need to display a database and have it present on the website		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR7. Search database		
Goal: the goal is to have a way to query the database and look for specifics		
Stakeholders: Users		
This will be a simple search bar that allows users to search the database for specific crops done by crop names with the help of regular expressions.		
<u>Origin:</u> This originated from the need to have a way for the users to navigate the database in a quick and easy way		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR8. Message screen		
Goal: The goal of this FR is to have a screen specifically to for users to message each other about the crops		
Stakeholders: Users		
Simple messaging page where users can directly connect with each other as well as saving messages and contact that have happened in the past.		
<u>Origin:</u> This is one of the original requirements discussed for the application		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR9 Send messages.		
Goal: The goal of this is to able to directly connect users via a direct message systems		
Stakeholders: Users		
This will be done in a conversation pop up/page where the conversation will be displayed and where messages needs to be sent		
<u>Origin:</u> This is an original requirement from the initial discussion with the team		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR10. Create Profile		
Goal: The goal for the Create Profile page is to collect and manage additional user information beyond what is provided during the basic sign-up page.		
Stakeholders: Users		
The Create Profile page asks users to provide additional information based on their account type. Farmers will be asked to specify details like the types of crops they grow, while buyers will enter information like their location and purchasing preferences.		
<u>Origin:</u> This originated when deciding to do profile systems present in the website		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

FR11 View Profile.		
Goal: This where we are able to view other people's profiles in order to see who they are		
Stakeholders: Users		
Overall a simple but yet powerful function were in company with the messaging system this will aid with allowing users to know who they are talking to as each profile will have their own customisation.		
<u>Origin:</u> This originated when deciding to do profile systems present in the website		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR12. Edit profile		
Goal: Being able to add customization to the profile where users can change to their taste		
Stakeholders: Users		
Users are able to change things within their profiles from tags to name and display name. Even adding a bio to their profile and adding an extra touch to the way people present themselves in the website application		
<u>Origin:</u> This originated as an outcome of the profile systems we want to implement		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

FR13. Search Profile		
Goal: The goal of this is to have a way to search specific profiles from users to businesses		
Stakeholders: Users		
This is where users are able to look up for other users whether that is a business or a producer. With this users are able to look for specific users and allows for a more natural feeling when searching for other people you might already know		
<u>Origin:</u> This originated from the need to have a profile system for where we can look up users		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 3

FR14. Notification system		
Goal: Notifications for the users		
Stakeholders: User		
Users will receive notifications when they are messaged. This can be extended to other aspects like if the crops they are dealing with have changed in prices.		
<u>Origin:</u> Not initially discussed, but was assumed between team members.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 4

FR15. Show current crop sale prices		
Goal: Shows the current database with all crops and prices		
Stakeholders: Users		
Shows our database with all the currently included crops and their current sale prices. Users can use this for reference when buying or selling.		
<u>Origin:</u> Based on the initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 1

NR1. Add crop to database		
Goal: Admins can add crops not initially in the database		
Stakeholders: Server		
Admins can add a crop to the database that was not initially in it. This would be done based on the needs of the users.		
<u>Origin:</u> Based on the initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

NR2. Change price/s		
Goal: Admins can edit the crop prices in the database.		
Stakeholders: Server		
Admins can update/change the prices of crops in our database to current prices. This will hopefully be done automatically, but initially will be done manually. This can also be used to fix any mistakes that are done by an automatic system.		
<u>Origin:</u> Based on the initial project specification document, team members came up with this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2

NR3. Data Backup		
Goal: Have a backup of our users info and our database		
Stakeholders: Server		
User information (login in and profiles) and database information will be backed up in case of a server shutdown or maintenance. This is a good security measure and failsafe in case of possible issues.		
<u>Origin:</u> The Idea was given during the meeting, as a security measure.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 4

NR4. Recommendation system		
Goal: Recommend profiles to users that they may be interested in interacting with		
Stakeholders: Server		
It will most likely be a main feature of the home page. Will recommend other users to the current user. It will hopefully kickstart conversations between the farmers and businesses that may not have started.		
<u>Origin:</u> Not discussed, but was assumed between team members.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 4

NR5. Performance		
Goal: Keep performance and loading times for users short for reliability.		
Stakeholders: All		
Loading times for messages, profiles, and the crop database should be as short as reasonably possible for users.		
<u>Origin:</u> Not discussed, but was assumed between team members.		
<u>Version:</u> 1.0	<u>Date:</u> 10/05/2025	<u>Priority:</u> 2