

Assignment 2: Software Requirements Specification

Team: Wardrobe Team

Project Title: My Digital Closet

Members:

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Meetings date	Participants
1/26/2023	David, Ayesha, Katie, Roman, Nick
1/29/2023	David, Ayesha, Katie, Roman, Nick
1/31/2023	David, Ayesha, Katie, Roman, Nick

Stakeholders	Requirements
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Users	NR1: Photo Capacity NR2: Secure Data NR3: Platform NR4: Clothing Categories FR5: Menu Bar FR6: Contact Support FR7: Closet Categories FR8: Outfit Creation Page FR 9: Filter Tags FR 10: User Deactivation FR 11: Delete Button FR 12: Logging Out FR 13: Light and Dark Mode FR14: Random Outfit FR15: App Messages FR16: Item Confirmation
Investors	FR6: Contact Support NR1: Photo Capacity NR2: Secure Data NR3: Platform

FR1: Reusable Images

Goal: Once uploaded, photos of items can be reused in any new outfit collages until the image is deleted by the user.		
Stakeholders: Users		
Users will be using this app as a tool to create many different outfits with one set of clothing, so it's important that they are able to use any clothing item in as many outfits as they would like. We will store pictures of clothing items that have been taken by the user on the app so that users can find these items and use them later as many times as they'd like.		
<u>Origin:</u> My Digital Closet members decided on this feature during our first product design meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 1/22/23	<u>Priority:</u> 1

FR2: Outfit Creation		
Goal: Each outfit made by the user will be accompanied by a name, and will be stored to their user profile.		
Stakeholders: Users		
One of the main goals of this app is organization, and labels make everything more organized. By forcing users to name their outfits upon creation, we create a built in organization system for the saved outfits that can be sorted through easily by the user.		
<u>Origin:</u> My Digital Closet members came up with this during our second SRS meeting		
<u>Version:</u> 1.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 2

FR3: Login

Goal: The user should have an account to log in to the app with.

Stakeholders: Users

Saving users data in accounts is optimal because it allows users to access their account on multiple devices. Users will have to create an account the first time they use the app, and everything they create and upload on the app will be saved with their account for future use.

Origin: My Digital Closet members came up with this during our second SRS meeting

Version: 1.0

Date: 1/31/23

Priority: 1

FR4: Clothing Categories

Goal: When uploading photos of items, the user will have to select a category for the item to belong to.

Stakeholders: Users

The closet page needs categories so that users won't have to scroll through all their items to find one thing. The categories will be clothing types, such as shirts, pants, skirts, etc. This allows for easy browsing and organization.

Origin: My Digital Closet members came up with this during our second SRS meeting

Version: 1.0

Date: 1/31/23

Priority: 2

FR5: Menu Bar

Goal: The app will have a menu that will allow the user to switch between pages

Stakeholders: User

The app needs to allow for the user to switch from one page to another since there will be multiple pages in this app. The app will have buttons that the user can click on to choose which page they wish to view.

Origin: My Digital Closet members came up with this during our second SRS meeting.

Version: 1.0

Date: 1/31/23

Priority: 1

FR6: Contact Support

Goal: The app will have a feature for the user to contact a support team via email directly from the app.

Stakeholders: User, investor

If the user has any questions or concerns that they want to convey to the My Digital Closet team, they can reach the team through a contact page that allows the submission of an email directly to the team's inbox.

Origin: My Digital Closet members came up with this during our second SRS meeting

Version: 3.0

Date: 1/31/23

Priority: 5

FR7: Closet Categories

Goal: In the closet page, the user will be able to browse their clothing in different preset categories.

Stakeholders: User

The closet page will be broken down into categories that the user creates themselves to simplify the search for specific items. Some category examples include formal, casual, party, summer, etc. The user can upload their photo into a category immediately after capturing the image.

Origin: My Digital Closet members came up with this during our second SRS meeting.

Version: 2.0

Date: 1/31/23

Priority: 4

FR8: Outfit Creation Page

Goal: The outfit creation page will consist of a drag-and-drop area for the user to add images of clothing to create an outfit collage. The user will save outfits from this page.

Stakeholders: User

In this page, the user can choose the items that they want to combine together to complete an outfit using a drag and drop method. These outfits can be saved by the user to easily find and pull up whenever they want to.

Origin: My Digital Closet members came up with this during our second SRS meeting

Version: 1.0

Date: 1/31/23

Priority: 1

FR9: Filter Tags		
Goal: Users will be able to add categorical “tags” to their saved outfits, and later be able to filter their outfits on the closet page.		
Stakeholders: Users		
When the user wants to organize the pieces of clothing items they have and the matching outfits that they put together. The system would allow them to add filter tags to them meaning if they have a certain color they like or a brand they can simply apply a filter to their closet page and see only the items of clothing that they filtered out. Also, the system will allow the user to delete/undo filters.		
<u>Origin:</u> Second SRS meeting. One of our organization ideas for the app.		
<u>Version:</u> 3.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 4

FR10: User deactivation		
Goal: Users can deactivate their accounts, in which case all user data will be deleted.		
Stakeholders: User		
If the user wants to delete their profile and all of their saved outfits from the My Digital Closet App then all the user would have to do is go into the settings and scroll down until they see deactivate account button. Then we will tell the user “are you sure you want to deactivate your account” and a yes or no option will appear. Once the user deactivates their account all of the data from their profile will be gone forever. But if the user wants to create a new account they will be allowed to once they load up the app again.		

<u>Origin:</u> Based on features of most social media and apps that have to deal with creating a profile. My Digital Closet team members came up with this during our second SRS meeting		
<u>Version:</u> 2.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 3

FR11: Delete Button		
Goal: The user will be able to delete different pieces of clothing they don't want on their app anymore and also delete matching outfits they made.		
Stakeholders: User		
When the user does add different pieces of clothing to their profile and create matching outfits we will allow them to delete either the pieces of clothing or matching outfits anytime with a simple click of the delete button under each outfit and or clothing piece. If the user wants that outfit or clothing piece back we will store it in a recently deleted folder and then they can permanently delete it or restore it.		
<u>Origin:</u> Most apps that deal with adding things to the page have the option to delete the thing that you added. My Digital Closet team members came up with this during our second SRS meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 1

FR12: Logging Out		
Goal: Users will be able to log out of their accounts		

Stakeholders: user		
There shall be an option in the My Digital Closet App that will allow the user to log out of their account if let's say they want to use a different account or don't feel conformable being signed in once they leave the app.		
<u>Origin:</u> It's customary for apps to have an option to log out if they have an option to log in. My Digital Closet team came up with this during our first SRS meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 1

FR13: Light and Dark Mode		
Goal: T he app will have options to change the color scheme between either a light and dark mode		
Stakeholders: Users		
Due to the light given off by smartphone screens, using the app may cause a strain on the user's eyes. Allowing the user to swap between a darker colored or lighter colored themes in order to accommodate users who may find the default theme hard to look at.		
<u>Origin:</u> My Digital Closet members came up with this during our second SRS meeting.		
<u>Version:</u> 3.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 5

FR14: Random Outfit

Goal: In the outfit creation page, the user will be able to generate a random outfit by randomizing each category of clothing they want.		
Stakeholders: Users		
Users will have the option to completely randomize an outfit, or to have part of an outfit randomly picked from their saved clothes. Users may also opt to lock down a specific item that is already a part of the outfit, so that they would not lose that item upon hitting random. By using tags, the user can narrow down what designs or style of clothing they want to pool from, such as if they set a filter on the top to be red, shoes to be white, no filter for the bottoms, and locking down the head region. This will produce an outfit based on the given parameters		
<u>Origin:</u> My Digital Closet members came up with this during our second SRS meeting.		
<u>Version:</u> 3.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 5

FR15: App Messages		
Goal: Each time the user saves an outfit, the app will display a random positive message for the user.		
Stakeholders: Users		
Upon saving a new outfit, a cute message will pop up to both indicate that the outfit was saved, and to give the user a friendly message. This will make the app more fun and engaging for users.		
<u>Origin:</u> My Digital Closet members came up with this during our second SRS meeting.		
<u>Version:</u> 3.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 5

FR16: Item Confirmation

Goal: Each time a user uploads an item of clothing, the app will display a confirmation message that the item has been successfully saved.

Stakeholders: Users

Once an item is added and saved to the app, a message indicating that the item was successfully saved will appear to indicate that the user can now apply that item to any of their outfits. Conversely, if there's any issue with the image such as poor image quality or storage issues, they will receive a message based on the error and the proper steps to fix the issue.

Origin: My Digital Closet members came up with this during our second SRS meeting.

Version: 2.0

Date: 1/31/22

Priority: 3

NR1: Photo Capacity

Goal: The app will be able to store up to 100 photos of clothing items uploaded by the user

Stakeholders: User, investors

The database for the app must be able to store up to 100 photo pieces uploaded by each user. The system should be designed in a way that it can accommodate an increasing number of photos as needed, ensuring seamless scalability. This will allow the app to handle an increasing number of users and the data they generate, without sacrificing performance or stability.

<u>Origin:</u> Team members came up with this idea during our first SRS meeting when discussing feasible storage limits of the app		
<u>Version:</u> 1.0	<u>Date:</u> 1/29/23	<u>Priority:</u> 1

NR2: Secure Data		
Goal: Photos will not be used or shared without consent of the user who took them.		
Stakeholders: Users, investors		
The app must ensure that the photos uploaded by the users are secure and protected. The photos should not be used or shared without the express consent of the user. This requirement is critical to ensure that the user's privacy and data are protected at all times. The app must implement appropriate security measures to ensure that the photos are stored securely and accessed only by authorized persons. The app should also have a clear privacy policy that outlines how user data will be used, stored, and protected, to ensure that users have a full understanding of their rights and the measures in place to protect their data.		
<u>Origin:</u> Thinking of how to make our app secure for users sake My Digital Closet team members came up with this during our first SRS meeting		
<u>Version:</u> 1.0	<u>Date:</u> 1/29/23	<u>Priority:</u> 1

NR3 Platform		
Goal: The app will be designed to run on Android devices.		

Stakeholders: User, investors		
<p>The app must be designed to run on the Android platform. The app must be compatible with a range of Android devices, including smartphones and tablets, and must meet the performance and user experience standards of the platform. The app must also be designed to run on a variety of screen sizes and resolutions, ensuring that it is usable and accessible to a broad range of users. The app should be optimized for the Android platform and should be tested on a range of devices to ensure that it functions as expected.</p>		
<p><u>Origin:</u> Android is one of the most widely used mobile operating systems worldwide, so designing an app for Android will make it accessible to a great number of users. Team members decided to use Android during our earliest product design meeting.</p>		
<u>Version:</u> 1.0	<u>Date:</u> 1/22/23	<u>Priority:</u> 1

NR4: Load Time		
<p>Goal: After clicking on the app, the home screen will fully load and be ready for user interaction within 5 seconds max.</p>		
Stakeholders: User		
<p>The app must be designed to provide a fast and responsive user experience. After clicking on the app, the home screen must fully load and be ready for user interaction within 5 seconds at maximum. This requirement ensures that the app is dependable and provides a smooth user experience, even under heavy usage conditions. The app must be optimized for performance and must be designed to efficiently handle a large volume of data and user interactions.</p>		
<p><u>Origin:</u> The greater the software performance, the better user experience is. Team members came up with this during our second SRS meeting.</p>		
<u>Version:</u> 1.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 2

NR5: Save Time		
Goal: Once the user takes a photo of an item, the photo will be saved and ready for use within 3 seconds.		
Stakeholders: User		
<p>The app must be designed to provide a fast and reliable experience for taking and storing photos. Once the user takes a photo of an item, the photo must be saved and ready for use within 3 seconds. This requirement ensures that the user is able to quickly and easily take and use photos within the app, without being impacted by slow processing times or storage issues. The app must be optimized for photo processing performance, and should be designed to efficiently handle a large number of photos and related data. The app should be tested under various conditions to ensure that it meets this performance requirement and that the user experience is not impacted by slow processing times or other performance issues.</p>		
<u>Origin:</u> The greater the software performance, the better user experience is. Team members came up with this during our second SRS meeting.		
<u>Version:</u> 2.0	<u>Date:</u> 1/31/23	<u>Priority:</u> 3