

# Assignment 2: Software Requirements Specification

Team: Notely

Project Title: Notely

Members:

1. Christian Anthony
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5. Jacob Good

Meetings Date	Participants
01/29/2021	Christian Anthony, Julian Gombos, Leah MacKay, Jacob Good
01/30/2021	Christian Anthony, Sheev Patel
02/01/2021	Christian Anthony, Julian Gombos, Jacob Good, Sheev Patel,

Stakeholders	Requirements
Users/Students	FR: Posts can be created FR: Posts can be favorited FR: Save posts for offline use FR: Users can access profiles FR: App can access camera FR: Main Menu options FR: Search bar FR: Settings Menu FR: Advanced search FR: Posts can be tagged FR: Anonymous username mode NR: Authentication verification NR: Encryption on user passwords NR: Real time updates from database
School Faculty	FR: Anonymous username mode
All	FR: Automatic timestamp on posts FR: Sign up FR: Login FR: Posts can be flagged for misconduct NR: Cross platform support NR: Starting tutorial NR: Authentication verification NR: Encryption on user passwords NR: Real time updates from database

### FR1. Posts can be Created

Goal(s): Users may create and tag a post searchable by other users

Stakeholders: Users

Description: Users will have the ability to take pictures of their notes for uploading to the system. Images will be attached to a post that will be viewable by other users in the system. Posts will be the key element that users will be searching for when using the app. Posts can contain multiple images. Posts will be the major element that populates any feeds or search lists in the app.

Origin: Part of the original mockup design

Version: 1.0.0

Date: 1/29/2021

Priority: 1

### FR2. Main Menu Options

Goal(s): Provide the user with easy and clean access to their profile settings, favorite posts, and advanced search.

Stakeholders: Users

Description: The menu will be available to the user through an easily locatable UI element. When the user selects the element, a menu will appear on the screen. This menu will vertically organize the different menu options listed above in a neat fashion that then can be selected. The user would click anywhere outside of the menu popup to close it.

Origin: Part of the original mockup design

Version: 1.0.0

Date: 1/29/2021

Priority: 2

### FR3. Search Bar

Goal(s): The search bar will allow users to search the database of posts and find the specific one(s) they are looking for.

Stakeholders: Users

Description: A search bar will be available to the user through a UI element. Users can search either by using the class name or keywords in the post title. The search results would then be vertically filled on the screen assuming that the search yielded more than one result. The user

can then scroll through the posts on the screen.

Origin: Part of the original mockup design

Version: 1.0.0

Date: 1/29/2021

Priority: 2

#### **FR4. Advanced Search**

Goal(s): Advanced search will allow users to search with really specific rulesets that can help yield more accurate results.

Stakeholders: Users

Description: The advanced search would be associated with the main menu options. When using advanced search, users will be able to filter results using tags. Any tags that were added to a post would be utilized here. This is a feature that is unavailable to the normal search feature. The results of advanced search will be displayed the same way that they would from the normal search feature. Advanced search will help allow users to quickly find posts relevant to their needs.

Origin: Part of the original mockup design

Version: 1.0.0

Date: 1/29/2021

Priority: 2

#### **FR5. Posts can be Tagged**

Goal(s): Posts may contain tags regarding the post's content and relevant information.

Stakeholders: Users

Description: When a user initially uploads a post, they will be able to add multiple tags that can help other users identify the content in the post. When users search for posts, these tags will be listed for other users to see. In addition to this, if the initial poster did not include a relevant tag, other users may add more tags to the post.

Origin: Part of the original mockup design

Version: 1.0.0

Date: 1/29/2021

Priority: 2

#### **FR6. Save Posts for Offline Use**

Goal(s): The system will allow the user to save posts for offline use.		
Stakeholders: Users		
Description: Users will have the option to save posts/images onto their mobile device. The user will be able to access these posts for later use. The posts should be viewable in areas without internet connection.		
<u>Origin:</u> Discussed during initial group design meeting		
<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 4

<b>FR7. Users can Access Profiles</b>		
Goal(s): Users will be able to view other users profiles and past uploads.		
Stakeholders: Users		
Description: Users will have the ability to view another user's profiles. These profiles will list a user's previous posts. This feature is to allow users to easily find and follow other users who may have quality notes from relevant classes.		
<u>Origin:</u> Discussed during initial group design meeting		
<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 4

<b>FR8. App can Access Camera</b>		
Goal(s): App should be able to access mobile device's camera.		
Stakeholders: Users		
Description: The user will have the option to access their mobile device's camera from the app. Images taken by the camera, or those selected from the camera's gallery, will be able to be attached to posts for uploading.		
<u>Origin:</u> Part of the original mockup design		
<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 1

### FR9. Posts can be Favorited

Goal(s): The user will be able to favorite posts to make them easily found for later use.

Stakeholders: Users

Description: The user will have the option to favorite a post. There will be a section in the app that will allow users to view a list of all their “favorited” posts.

Origin: Original mockup design feature, but later given the “Winged” butterfly aesthetic in group meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 4

### FR10. Users Can Login

Goal(s): Allow users to keep track of their notes and others notes.

Stakeholders: All

Description: Users will all have their own account. Each account will hold user information, posts they have posted themselves, and also notes that they have winged. Having an account will allow users to like posts and tag posts.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 1

### FR11. User Sign Up

Goal(s): Allow users to join the app

Stakeholders: All

Description: If no one is logged in, the user will be able to create an account. There will be a UI element that will direct the user to the account creation page. The account creation page will have users fill in specific questions that are necessary to create an account. Once the user has finalized the account and authenticated it, the user will have access to the system.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 1

### FR12. Posts Can be Flagged for Misconduct

Goal(s): Make a safe and appropriate environment for all ages over 13.

Stakeholders: All

Description: A UI element will exist on all posts that will allow users to flag them if they are inappropriate. If a user flags a post, a warning prompt will appear to the user with a notice for confirmation. Users will have to 'OK' the warning for the flag to be finalized. Posts that are flagged multiple times will not appear in the app until review.

<u>Origin:</u> Discussed during initial group design meeting		
<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 5



### FR13: Automatic timestamp on posts

Goal(s): The system will automatically timestamp posts making it easier for users to find posts sorted by date and time.

Stakeholders: All

Description: When a user uploads a post, the exact time and date of the upload will be saved. Timestamp information will be displayed on each post and is accessible to everyone. This data can be implemented into our advanced search bar to sort posts by date.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 3

### FR14: Anonymous Username Mode

Goal(s): Allowing users the option to stay anonymous from other users when posting.

Stakeholders: All

Description: Some users may wish to view or upload posts discreetly. In the user's settings, there will be a UI element that will change the user's profile to private, making it unviewable by other users. The user's name will be hidden on their posts. Location data for these posts will be private.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 5

### FR15: Settings Menu

Goal(s): A settings page allowing users to change aspects of the app.

Stakeholders: Users

Description: The user will have the option to view a settings page. The settings page will allow the user to adjust various elements of the app. This would include the privacy feature.

Origin: Discussed during initial group design meeting

<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 3
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### NR1: Authentication Verification

Goal(s): The goal is to make sure the account creators are real people.

Stakeholders: All

Description: Upon creating an account, the user will be prompted to complete a captcha. This will verify that the user is not automated. There are many forms of captcha authentication, the one we will use reCaptcha. Account creators must first select the checkbox that reads "I am not a robot". They will then be asked to select all the images from a 9 image selection that contain the randomly generated object. If a user fails the captcha, they will be redirected to the login page.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 3

### NR2: Encryption on User Passwords

Goal(s): To protect user accounts by encrypting their passwords. (Privacy)

Stakeholders: All

Description: Every creator of an account will be asked to create a password. We will encrypt their passwords using one of many methods. This will make it more difficult for hackers to breach into their passwords. Password encryption will provide a sense of security to users and developers.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 3

### NR3: Cross Platform Support

Goal(s): The app will be compatible with Android and iOS.

Stakeholders: All

Description: The app will be usable on both Android and iOS. It will appear and function similar on both operating systems.

<u>Origin:</u> Discussed during initial group design meeting		
<u>Version:</u> 1.0.0	<u>Date:</u> 1/29/2021	<u>Priority:</u> 3

#### **NR4: Real-Time Updates from Database**

Goal(s): Posts will appear in the app in real time.

Stakeholders: All

Description: Changes made to the database from within the app will be shared in real-time. This includes uploading posts and adding tags. Other users will be able to see changes shortly after the modification is made.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 5

#### **NR5: Starting Tutorial**

Goal(s): Instruct the user on navigation and use of the application.

Stakeholders: All

Description: Once a user creates a new account, a series of tutorial prompts should appear on the screen the first time they use the app. Users will be able to opt out of the tutorial. Once the user has completed the tutorial, the prompts will never appear again unless there are significant changes to the app.

Origin: Discussed during initial group design meeting

Version: 1.0.0

Date: 1/29/2021

Priority: 5