



# Skin4You

Miranda Bialek, Isabella Dieguez, Rachel Tomasetti

# INTRODUCING... Skin4You

- utilizes AI image recognition technology to identify accurate skin type and color
- provides personalized skin care routine specific to user profile
- recommends dermatologist approved products along with where to buy (online and in-person)
- ability to connect with others on the platform to share their product reviews and routine



# FUNCTIONAL REQUIREMENTS



## Create an account and profile

User can create an account and profile. In creating profile, user can specify various details about their skin and what they look for in a routine (eg, dry, oily, sun damage, acne, inflammation etc.). User is prompted to scan face using a front-facing camera so that the system can collect the necessary data to create a user-specific skincare routine.



## Logging in

User enters username and password. User also has the option to reset password via an automated email.



## View skin routine and product suggestions

User is presented with a graphic for that day of the skin routine. The routine displayed is dependent on the day of the week and time of day. This is the homepage for the app. User may scroll down to view different sections of this page, each section catering to the user's specific skin type and goals.



## Share skin product reviews and routine

The user has the option to share personal experiences with their routine as well as product reviews.



## Account settings

User is presented with a menu of various items relating to account and profile. Menu items can be selected to result in accessing/modifying account information.

# FUNCTIONAL REQUIREMENTS

cont.



## Search users with specific skin type

User has ability to filter through users and view other users profiles with matching/similar skin types and their skin routines/products



## View skin product reviews

Users can view other users reviews for products that were recommended for them



## Sign up for premium membership

User can enter account settings and upgrade to premium membership after inputting financial information



## Connect with other users

User has ability to find and connect with other users by syncing up contacts and the search function



## Ability to filter and sort

User can filter through skin products by inputting criteria specific to what they are looking for (brand, price, skin product type, skin type, etc.)

# NON-FUNCTIONAL REQUIREMENTS



## Accurate Skin Type Matching

Users will expect the app to match their exact skin type and tone accurately to products.



## Efficient Search and Match Time

Users will expect the app to match them to products and search for the closest location to purchase the product or provide a website to purchase the product online in an efficient amount of time.



## Efficient Results

Users will expect the app to provide products that produce efficient results.



## Location Services

Users will expect the app to provide an accurate nearby location to purchase the provided product.



## Network Security

Users will expect the app to provide sufficient network security.



## User Data Privacy and Security

Users will expect the app to provide data privacy and security.

# EVOLUTIONARY REQUIREMENTS



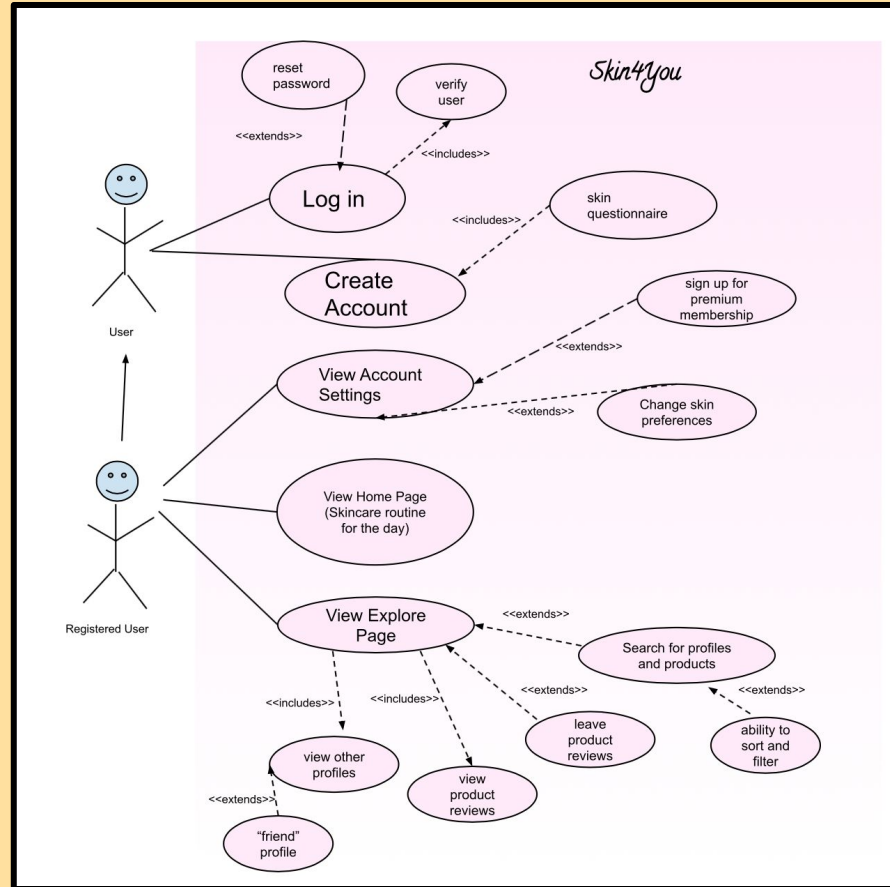
## Daily Reminders

Users will receive daily reminders at certain times throughout the day reminding them to complete specific skin care habits



## System Capacity

System should be able to handle 0.1 million users simultaneously



# USE CASES & USE DIAGRAM

# SYSTEM CONSTRAINTS

- \* Tool Constraints
- \* Network Constraints
- \* Language Constraints
- \* Platform Constraints
- \* Hardware Constraints
- \* Deployment Constraints
- \* Scheduling Constraints





# Tool Constraint

Mobile Application  
Framework Constraint



We will be using Swiftic for the backend framework. Swiftic was chosen due to its high ranking in mobile application frameworks.



Priority: High (0)

# Network Constraint

Internet Required



Users must be connected to the Internet via data or wifi to access the app.



Priority: High (0)

# Language Constraints

BackEnd Language



BackEnd will use Java.



Priority: High (1)

FrontEnd Language

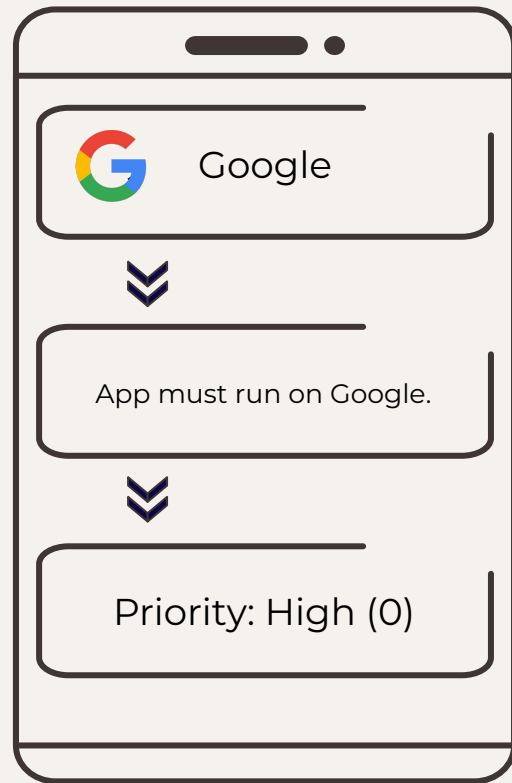
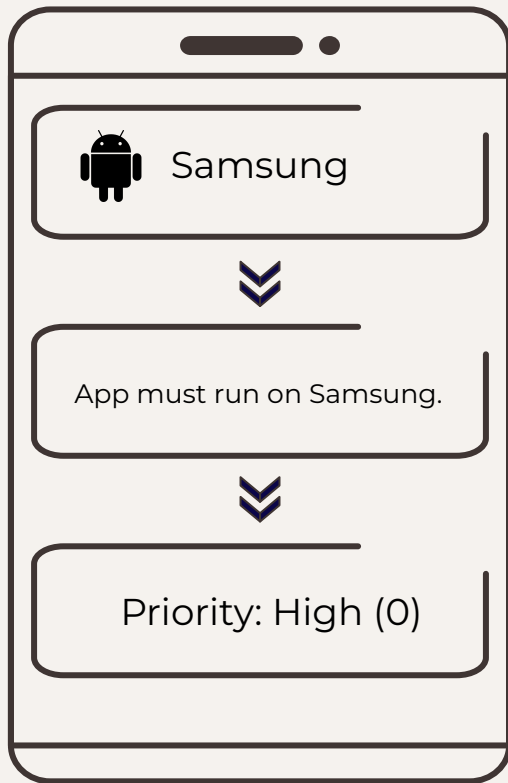
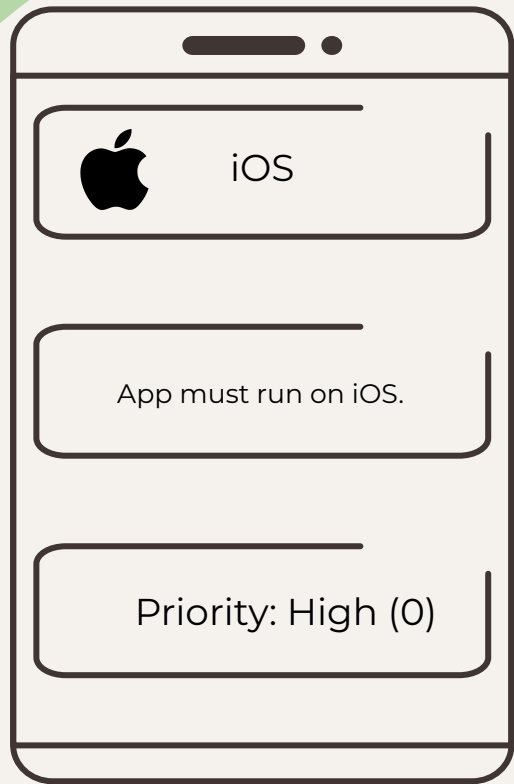


FrontEnd will use HTML.

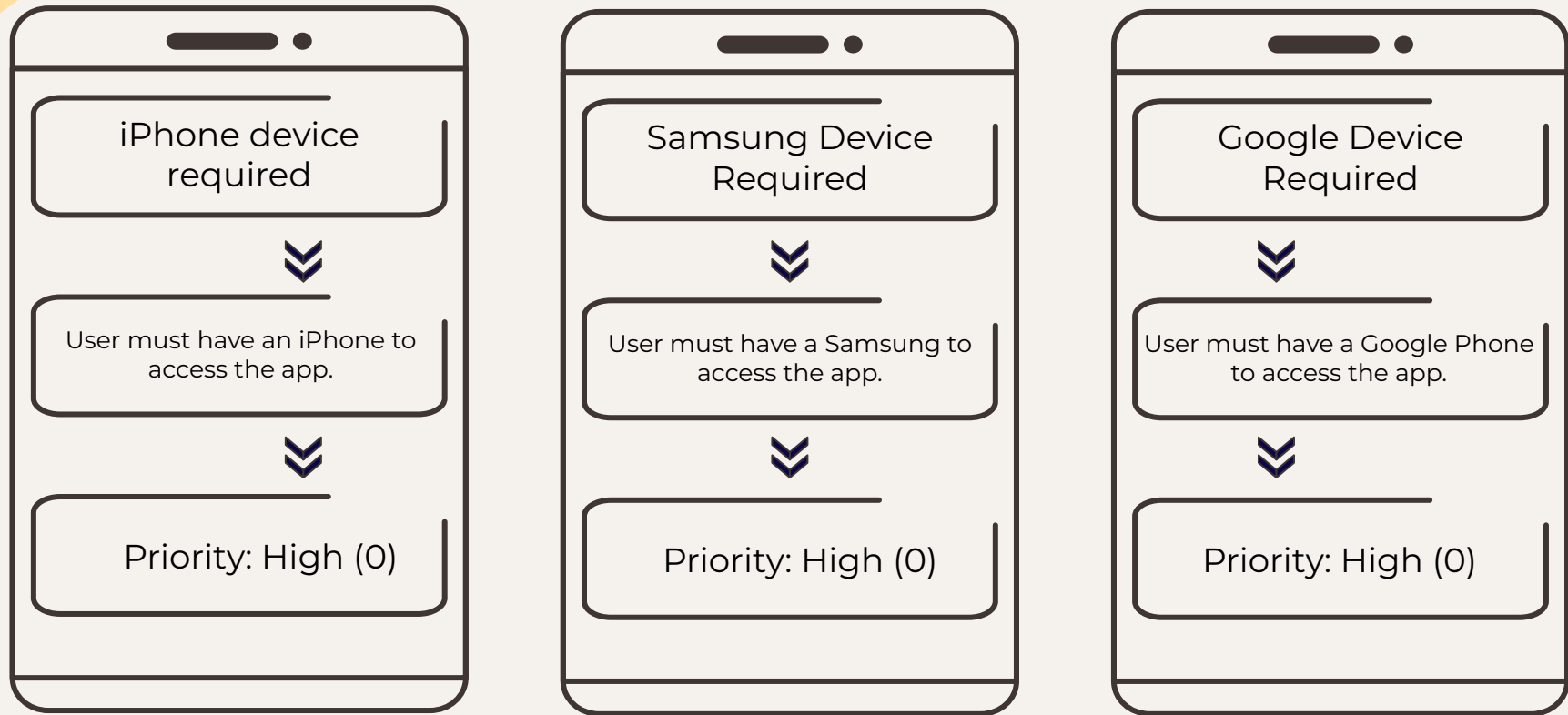


Priority: High (1)

# Platform Constraints



# Hardware Constraints



# Schedule Constraint    Deployment Constraint

Design and Requirement  
Schedule



Skin4You must be completed by the end of the  
semester.



Priority: High (0)

Swiftic Deployment



Skin4You will be deployed using Swiftic, a leading  
DIY mobile app maker that helps small businesses  
build personalized apps.



Priority: High (0)