Product Backlog

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Project Name: Stylin'

Problem Statement:

Today, people seek to know what clothing is in-style verses clothing that is on its way out. With our software, we hope to simplify this process by compiling user data into one place. Modeling after Instagram/Pinterest/Billboard/Spotify, our software will provide users with the information and customizability that will allow them to create their best digital wardrobes.

Background Information:

Audience

In regards to our audience, our software targets all individuals who seek to keep up with the latest fashion trends and look their best. Primarily, these individuals will consist of the age group from around age 16 to age 40. It can be used by people outside this age range depending on the availability and range of clothes.

Similar Platforms

Regarding similar platforms, other applications that simplify the process of customizing outfits do exist. Specifically, an application called Wanelo compiles data consisting of price, brand, and picture of an item into one place where a user can save or buy the item. Furthermore, StitchFix and Polyvore have developed an algorithm that recommends articles of clothing based on the user's previous history. However, both of these do not quite align with the focus of our software. Our software primarily focuses on providing a user, predominantly within the ages of 16 and 40, with the ability to mix-and-match clothing while being able to view the activity of others doing the same thing. This cannot be done on Wanelo or StitchFix. Our software is also going to be similar to Spotify in the sense of ratings, but instead of songs we will be using clothes.

Limitations

It is our belief that the most important limitation of the software of our competitors concerns the idea that they are personal but not interconnected with others. To be more clear, our competitors such as Wanelo or StitchFix allow users to make accounts but allow for no interaction between accounts. Through the creation of our software, we will be able to address this problem in two ways. First, we will implement a feature that allows users to follow other users. With this feature, users will be able to view the activity of other users and see what apparel is getting attention from their network of people. From this, users will be exchanging ideas regarding the mix-and-matching of fashion wardrobes. Second, we will implement a feature that allows users to "like" or "dislike" articles of clothing. From this feature, users will be able to see what articles of clothing are trending upward or downward. Users will perhaps even see what clothes are controversial if a vote is split evenly among "likes" and "dislikes".

Requirements

Functional:

1. As a developer, I would like user feedbacks.
2. As a developer, I would like users to have the option of changing their public username.
3. As a developer, I would like users to have a secure way of storing usernames and passwords.
4. As a developer, I would like to develop a server-client application which facilitates communication between app and server.
5. As a developer, I would like my server to respond quickly to the requests of the user
6. As a developer, I would like fast and secure connection between database and server
7. As a developer, I would like to push notifications to users when necessary.
8. As a developer, I would like users to customize their profile to their liking.
9. As a developer, I would like users to be able to open the browser version directly from the application.
10. As a developer, I would like to suggest followers to users.
11. As a user, I would like to create an account.
12. As a user, I would like to login to my account.
13. As a user, I would like to sync my account to other devices(if time allows).
14. As a user, I would like the application to "remember me".
15. As a user, I would like to be able to upload a profile picture.
16. As a user, I would like to be able to direct message another user (if time allows).
17. As a user, I would like to "like" or "dislike" clothing items.
18. As a user, I would like to add clothes to my wardrobe.
19. As a user, I would like add clothes on my wish list.
20. As a user, I would like to follow other users.
21. As a user, I would like to be able to unfollow other users
22. As a user, I would like to see how many followers I have.
23. As a user, I would like to see how many people I am following.
24. As a user, I would like to see who is following me.
25. As a user, I would like to see the people I am following.
26. As a user, I would like to see what clothes are recently trending upward or downward.
27. As a user, I would like to see a notification when someone follows me.
28. As a user, I would like to have an option to make my account public or private.
29. As a user, I would like to see public user's (think celebrities) wardrobe without following them.
30. As a user, I would like to see notification when new items are added.
31. As a user, I would like to see a notification when an item on my wish list goes on sale.
32. As a user, I would like a brief description of the item and a link to the store where I could buy it.

Non-Functional:

1. We must be able to run this app on an android device.
2. The interface should be simple so that the user doesn't have to go through a complicated process to do something.
3. The system must be able to handle multiple users at a time (at least 100 users).
4. Negligible lag time in communication between app and server and server and database.
5. The application must store some local data (cache) in the device which helps the application remember the user.
6. Allowing users to login via Facebook or Google using OAuth.
7. We will use role-based access control (RBAC) so that users can only access the material they should.
8. Make sure that the data stored in the device is not easily accessible and unreadable if found.
9. Our backend web server will be integrated with Amazon Elastic Compute Cloud.