CSC 4330 Milestone #1

Students must deliver a document describing their project on this date via Moodle. The document must contain:

- A cover page with the name and logo of the software application. The cover page must also contain the list of team members and the repository URL on GitHub.
- One page containing the product vision of your software application (See lecture notes of “What is software engineering?” to learn how to describe the product vision).
- One page containing the application's market analysis. It must include a description of the target audience, a list of existing applications solving the same problem, and a commercialization plan.
- One page containing 2 scenarios and 5 user stories describing the software application (See the lecture “Features, Personas, Scenarios, and User Stories”).
- One page containing 5 functional and 5 non-functional requirements (See the lecture “Requirements and Use Cases”).

This document must be hosted in PDF format on the GitHub repository associated with your project. Team members will upload the file's URL pointing to their repository via Moodle.

Cover Page

- A cover page with the name and logo of the software application. The cover page must also contain the list of team members and the repository URL on GitHub.

Software Application Name: JORTS: Join Others, Rate Today's Styles

Logo of the software application:

Team Members: Kai, Duc, Riley, Amin

Github repository URL: https://github.com/csc-4330-amin-duc-kai-riley/4330-group-project

Product Vision

- One page containing the product vision of your software application (See lecture notes of “What is software engineering?” to learn how to describe the product vision).

Product Name: JORTS: Join Others, Rate Today’s Styles

- **FOR** (Teenagers, Young Adults, Adults)
- **WHO** (are interested in latest fashion trends and wants to join in an interacted way)
- **JORTS** is a (social media web-app)
- **THAT** (encourages users to engage with the fashion community)
- **UNLIKE** (BeReal)
- **OUR PRODUCT** (requires uses to upload daily outfit pictures before gaining access to the rest of the app)

Market Analysis:

- One page containing the application's market analysis. It must include a description of the target audience, a list of existing applications solving the same problem, and a commercialization plan.

Target Audience

- Teenagers, young adults, adults
- People who are interested in sharing their outfits with others
- People who are interested in staying up to date with the latest trends
- People who want feedback/advice on their outfits
- People who want to connect with others interested in fashion

Existing Applications Solving the Same Problem

- StitchFix
- Stylebook
- BeReal
- wouldyourather.io

Commercialization Plan

- Sponsorships from fashion brands
- Ad banners

Scenarios:

- One page containing 2 scenarios and 5 user stories describing the software application (See the lecture “Features, Personas, Scenarios, and User Stories”).

Scenario 1:

Jay the Fashion Icon

Jay is a college student and rising social media influencer because of his interest in fashion. He frequently uploads pictures of his outfits on Instagram, and although he tags the brands from where he gets his clothes (if they have an account), people still wonder if the item is available for purchase, where to find it on the site, and if they can find it in person.

Additionally, a lot of Jay’s friends ask him for advice on their outfits and recommendations on where to get their clothes. Doing this through current existing social media begins to get messy, as his messages are filled with spam, compliments, and advice requests from his friends.

Jay’s friend, a software engineer, introduces him to a new website he created called, “[insert project name].” In getting to use the website, he sets up an account, and uploads his first, daily, picture. He puts detailed information about all of his clothing items, including price, brand, and where he found it. After setting up his account, he heads to the main page to compare today’s outfits to each other for a while, adding comments and reactions to each. Afterwards, he checks the leaderboard of the people who were voted for most, and gets additional styling inspiration from their photos. After completing all of these steps, Jay looks at the achievements he’s accumulated on his profile page and is motivated to keep using the website.

Scenario 2:

Amy, a fashion influencer, is overwhelmed by questions from her followers about where to buy her outfits and how she styles them. A fashion startup approaches her with an idea for a new platform, “[insert project name]”, where users can upload daily outfit photos and engage in a “Would You Rather” style voting game. The platform also allows influencers like Amy to provide details about where they bought their clothes, give styling tips, and interact with followers through comments and reactions. Excited by the idea, Amy agrees to collaborate, seeing it as the perfect solution for sharing her outfits and engaging with her audience in an organized way.

After gathering Amy’s requirements, they design and implement a user-friendly platform with voting features, shopping links, and social interactions. Through testing and feedback from Amy and other influencers, the platform is refined and eventually launched. Amy can now easily upload her daily outfits, respond to her fans, and participate in fun engagement features like leaderboards and achievements.

User Stories:

1. As a user, I want to be able to upload a photo of my outfit daily so that I can share it with others and participate in the daily “Would You Rather” voting game and receive feedback from other users.

2. As a user I want to be able to vote, comment, and react to outfits so that I can actively engage with the app’s community to help decide the best looks of the day and give feedback to other users.

3. As a user, I want to be able to add descriptions and references about all the clothing items in my outfit so that others can easily find the same or similar items, and I also want to be able to see where others may have gotten their clothes so that I am able to easily find items I like for myself as well.

4. As a user, I want to be able to receive feedback and styling advice based on my uploaded outfit pictures so that I can see new trends in fashion and see other peoples’ different perspectives.

5. As a user, I need to be able to set my account to private or public so that I can control who is able to see my profile’s content.

Functional Requirements and Non-functional Requirements:

- One page containing 5 functional and 5 non-functional requirements (See the lecture “Requirements and Use Cases”).

6 functional requirements:

1. Users should be able to upload a png. or jpg. file from their computer or mobile device (mobile functionality permitting).
    a. Stretch goal: Have users be required to take a picture before being given access to view other posts
    b. Stretch goal: Allow mobile users to take a photo and have the photo uploaded into the app instantly (without searching for existing png./jpeg.)

2. Users should be able to add a caption and general description of the outfit or individual articles of clothing highlighting details like: store of purchase, price, manufacturer, size, fit style.

3. Users should be able to comment publicly under another user's post and have that comment remain on the post until the commenter or poster removes it.

4. Users should be able to tag their posts and their post will then be added to that tag category which can be viewed to see all posts under that tag. If a tag written by a user does not currently exist then the tag will be created and their post will become the first post on the tag.

5. Users should be able to make their posts public or private to only be viewed by other whitelisted users. The publicity of posts should be able to be modified after post creation.

6. Users have to post their own OOTD (outfit of the day) before being able to interact with other users' posts.

5 non-functional requirements:

1. The app’s scalability has to be able to support many users at the same time(depending on the size of users on the platform) without performance degradation regardless of platform size. Users should be able to upload an image to the app in less than 2 seconds.

2. All pages and features within the app should load within 5 seconds under normal operating conditions to maintain a quick and responsive experience for users.

3. The platform has to comply with all accessibility standards (for example WCAG 2.1 AA) to make sure there is inclusivity for all users, including users with disabilities. The app

must also have portability in which it must be supported on many platforms such as iOS, Android, web browsers,etc., with equal functionality.

4. All user data, including posts, personal information, etc., must be properly encrypted and protected using industry standard methods such as AES-256. User specific privacy settings must also be respected and properly upheld according to the users' preferences so that users have full control over who is able to view their content.

5. The platform must be reliable under all circumstances and should maintain 99.9% uptime to make sure there is uninterrupted access and minimal downtime for users.

Use Case Diagrams:

Diagram 1:

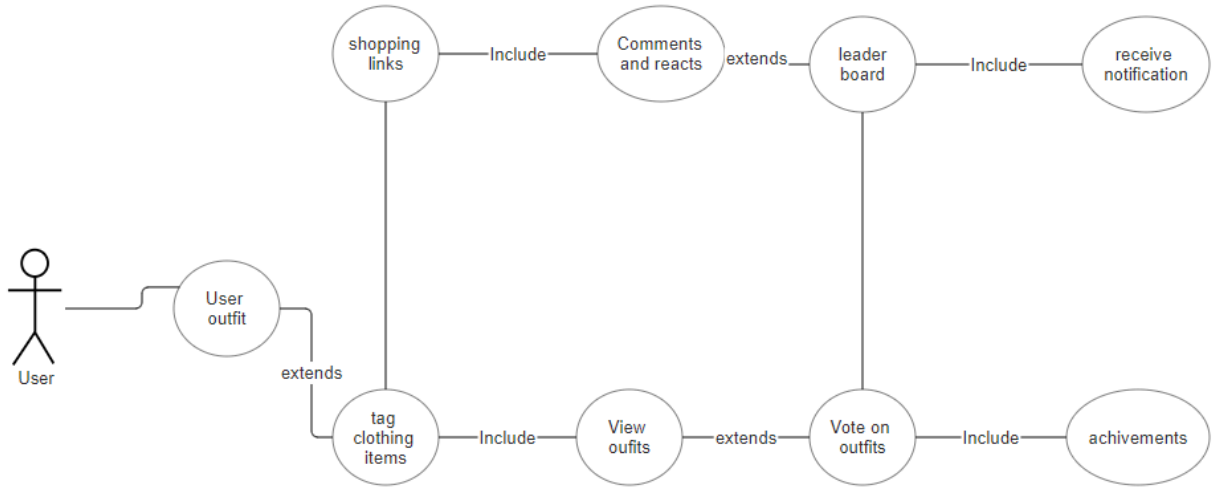

Diagram 2: