CSE 115A – Release Summary

Product: Dress to Impress
Team: Wired
Date: 11/24/25

Key user stories and acceptance criteria: Give a list of key user stories with their acceptance criteria that can serve as a guide for an acceptance test.

As a returning user, I want to be able to log into my existing account

Acceptance criteria:

- On the Sign In page, the user must be able to enter an email and password to log into their existing account.
- The system will validate all required fields before attempting authentication; if either the email or password is missing, the system will prevent submission and display an error message.
- The system will verify that the email is in a valid format; if the format is invalid, the user will see a message instructing them to enter a valid email, and authentication will not be attempted.
- If the password is incorrect, Supabase will return an "invalid login credentials" error, and the system will display an error indicating the email or password is incorrect, keeping the user on the Sign In page.
- If the email does not belong to an existing account, the system will display an "Account does not exist" message and remain on the Sign In page.
- Upon successful authentication, the user will be redirected to the Wardrobe page, which should load with no errors.

As a user, I want to be able to upload and save my clothing pieces and their images

Acceptance criteria:

- On the "Add Item" screen, the save button is only clickable once the category of the item as well as an image has been uploaded. Other fields are optional.
- When save is clicked, the page will automatically refresh and the user can scroll through the wardrobe and find their image.
- If image upload fails, then the user will see an error message that the item was unable to be added based on the correct issue.
- An uploaded item from one user will not show up on the Wardrobe page of another user.

As a user, I want to upload my clothing items and remove their background

Acceptance criteria:

- When adding an image through the "Add Item" page, the backend will remove the background and display it for the user before the user can click "save".
- The image uploaded by the user will be altered with the background removal code and that new image is saved to the database and the Wardrobe page

As a user, I want to be able to see my clothing stats in the profile page.

Acceptance criteria:

- When the user goes to the Profile page, they should see the total number of items in the wardrobe, the total number of outfits, the total number of favorites, and the most worn clothing item.
- Anytime any data is updated, i.e. a new clothing item is added to the wardrobe, the worn count gets incremented for an outfit which makes a certain clothing item the most worn, a new or existing item gets favorited, the Profile page should persist that change
- Users should see profile stats of their own wardrobe/their own changes. Another user's wardrobe should not affect another user's profile page.

As a user, I want to view my clothes in my closet.

Acceptance criteria:

- When the user goes to the Wardrobe page, they should see a two column grid of the clothing items they have added in the wardrobe.
- If no items have been added by the user yet, then the page will say the wardrobe is empty and encourage the user to add an item.

- The only items visible to the user have been only added by the user. They do not have access to view the items of another user's wardrobe.

As a user, I want to create and save new outfit combinations, & then view them.

Acceptance criteria:

- On the Wardrobe page, the user will be able to click clothing items to create an outfit. Once any item is selected, the selection bar detailing the number of items selected along with a create outfit button will show up.
- The save outfit button will only be successful when there is a base outfit, i.e. a top, bottom, and pair of shoes. If one of these is missing, the user will be shown an error message saying what is missing.
- Once a complete outfit has been created, the save button will be successful, and user can enter in the name of the outfit, or it is defaulted to the current date.
- User can then navigate to the Outfits page and see that their new outfit has been saved

As a user, I want to be able to filter and sort through the items in my wardrobe.

- The wardrobe includes filters for each type of clothing item as well as a filter for favorites and most to least worn.
- When applying the filters the list reorders/removes views of incorrect clothing items accordingly.
- When using the search bar, the user can find items based on category, color, and occasion.

As a user, I want to be able to visualize my own clothing on myself so that I can try on clothes without going through the effort of putting them on.

Acceptance Criteria:

- On the AI page, the user will be able to click clothing items to try on virtually.
- Once any item is selected, each item will have a deselect button along with a "Generate Outfit" button.
- The "generate outfit" button will only be successful when the user has uploaded or selected a valid photo of themselves.
- If no valid photo is available, the user will be shown an error message prompting them to add a photo before continuing.

- Once a valid photo is provided, clicking the button will generate an AI-rendered preview showing the user wearing the selected clothing items.
- While the preview is generated, a loading indicator will appear to show progress.
- If rendering fails due to photo quality or AI error, the user will be shown an error message and asked to retry.
- The user can then navigate to the Outfits page and see that their virtual try-on result has been saved.

As a user I want to see more statistics/ai recommendations based on how often i wear clothes and outfits
- Give donation suggestions only if the item is:
  - Not a favorite &
  - item is not new and not worn in the last two months
  - Item is not worn once and not touched in over a year
  - Item is never worn for a long time
  - Item is semi formal and not worn in past 6 months
  - Item is formal and not worn in the past year
- Give AI summary of the closet
  - If the closet has clothing items, then the user will see a two sentence message describing the theme of their closet
  - Summary brings up occasion, color, and weather details potentially.

Known Problems: List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

Log in
Design shortcuts
- Need more password restrictions - at least one number, special characters, etc

Wardrobe
Bugs
- Search filter doesn't include item type when scrolling

- if only required fields are filled out there is a bug in item details display

Category: Skirt

0 Edit Details

- Images don't fit in the item cards if they are too long vertically
- For some closet items on the bottom, the delete button is hidden. It is still clickable, but not ideal for the user.
- if only required fields are filled out there is a bug in item details display
- Page glitches when there are only two items uploaded to the closet, header issue between search bar and "add item" bar
- page glitches when there are only two rows of items
- search filter shows up in add item form

Omissions
- Can't change(decrease) worn number for individual clothing item
- Color selection is not limited and also not a filter
- Can upload the same image twice to the wardrobe
- Does not delete old clothing items from Supabase after replacing it with new ones
- Users cannot take a picture or upload a link to an image, can only upload the image directly.

Design shortcuts
- You can upload any photo without restrictions, doesn't have to be clothing
- Public urls for user data and images - done so that the urls are easily accessible in the code because they are static
- Labels on images are user chosen and cannot be corrected if incorrectly labeled by user
- Order of clothing items changing irregularly, fetching order is randomized based on edits or other issues

AI outfits

Bugs
- ui discrepancy between Start Styling page with profile uploaded and Upload profile image page (can see when loading ai page)
- Changing tabs during image generation loses image
- No limit to the height and weight categories in body profile - i.e. you can say 5 ft 18 in
- clothing category type displayed twice (figma showed specific name then category type but instead displays "shirt shirt")
- body profile is glitchy, can be changed but update is slow and display takes long time to change

Omissions
- Cannot edit/delete AI generated outfits in the saved outfits section
- cannot remove profile image
- profile details not used in image generation
- cannot actually drag and drop to upload body profile picture

Edge cases
- You can upload any photo without restrictions, doesn't have to be body profile
- Cost limitation, will run out and cause errors if out of credits
- AI Outfits can be created without the necessary outfit requirements,
    - For example, you can make an outfit without a shirt, and the ai image generated will generate it with the existing shirt on the user.

Design Shortcuts
- Using a cheaper/more accessible model which results in less realistic image generation – faces/clothing items can be slightly altered
- Hard coded and small selection of body types and clothing sizes

Outfits

Omissions
- User cannot layer clothing items of the same type (no layering tops, or bottoms)
    - For example, a user cannot wear a long sleeve shirt and a t-shirt over it, the app will block whereas that is a valid outfit.

Edge cases

- Can't change(decrease) worn number for an outfit
- If all the clothing items are deleted, the outfit will still exist and be empty
- You can click worn as many times as you want per day

Design Shortcuts
- Can use the same name for outfits

Profile

Omission
- Cannot delete a donation suggestion if the user does not want to follow that suggestion

Design Shortcut
- Hard-coded requirements for what it means for a clothing item to be donated, this could be up to the user
- AI summary of closet changes every time page is refreshed, should be changed whenever the closet is updated instead

Architecture Issues (Overall)

Design Shortcuts
- App is currently only hosted locally
- May not be able to handle multiple users generating images, or adding items with the ai generated descriptions at the same time
- All wardrobe items, regardless of user are stored in the same bucket, images accessed by unique user id
  - privacy issue and to be changed

Product Backlog: Provide a list the high priority user stories and bug fixes that can serve as a guide for a follow-on project.
- Privatize image buckets and user data
- Make the images fit the item/outfit cards appropriately
- Update the responsiveness of the Wardrobe page along with the padding/margins for the item cards
- Create filtering based on occasion on the Wardrobe page
- Add more detailed insights on the Profile page. Make more sense of the data we are already storing/updating for clothing items and outfits

- ○ AI Recommendation based on events
  - ■ "Buy business casual pants to complete this outfit"
  - ■ "Here is an outfit for a business casual event"
- ○ Weather
  - ■ "It is below 60, wear outerwear" [display available outerwear]
- ○ Worn status
  - ■ "You have not worn this item in 70 days" (recommend items to donate)
  - ■ "You wear this outfit often, try switching it up"
- ● Keep track of the dates an outfit is worn from the past 30 days to give insights such as
  - ○ Most popular item in the past month
  - ○ Least worn this past month
- ● Add collections for the Outfits page so that the user can group together outfits
  - ○ Outfit collection for Cabo Spring Break Trip, Holidays, School Outfits, etc
- ● Add filtering based on occasion for Outfits page
- ● Add functionality for ai generated outfit images to be linked to outfits
- ● Add color and occasion as a fixed category and allow filtering clothing by color and occasion
- ● Add unit, system, integration, and end to end tests for all features implemented
- ● Make sure the app is usable for a large group of users
- ● Add a view for the developers to see how many tokens are being used from OpenAI

Note: There will be no penalty for system failures during the project review that are due to known problems.