CS Capstone Design

Alpha Prototype Demo

TEAM: HomeAide

Overview: The purpose of the Alpha Prototype Demo is to clearly demonstrate the extend to which all core user flows envisioned for the product are supported by the current implementation.   The flow of the demo is very natural: you simply introduce each of the major usage scenarios, and then follow through each of them, just as an end-user would in using the product. Grading is based on how completely the current product supports all key functional aspects within a coherent, realistic user flow. Interface refinement, clunkiness, and aesthetics should be ignored for now; the focus is simply on functional ability to complete the user flow.

This template is fleshed out by the team, approved by the team mentor, and brought to demo as a grading sheet.

Overview of major product use cases
Based on the Requirements document and subsequent development discussions with your client and mentor, briefly describe each of the key use cases for your product:

UC1: Short title for Use Case. <Concise 1-5 sentence description of this use case: nature of the user (admin, normal, guest) and the what they are seeking to do with the product in this use case. >

UC2: short title. Description. Repeat for other challenges.

Etc. Most products will have between 2 and 5 core use cases.

User Flows: Detailed walk-through for each use case:
In this section, we outline the demonstrations of each use case that we have prepared, giving a step-by-step outline of the user flow that would be followed by a real user for that use case.

_____

Use case 1: The user needs to be able to provide their general limitations, and have them saved. User limitations include the physical difficulties they have such as a vision impairment.

<u>User Flow:</u> Step by step overview of user interactions with product

1. User goes into their user profile in the mobile application
2. User goes into my account
3. User goes into limitations
4. Mobile application should display a list of limitations that are available to select
5. The user selects the limitations that apply to themself
6. App saves users limitation

<u>Evaluation and Comments:</u>

    ✔   The app shows a list of general limitations to select

    ✔   The user can select from the list of limitations

✔ The app saves the users selection

✔ Other evaluative comments:

_____

Use Case 2: User needs to be able to change rooms and be able to identify their trouble areas in the room. Inside a room the user can select room objects that they have difficulties with.

User Flow: Step by step overview of user interactions with product

1. User goes into the house section of the app
2. User selects room of house
3. User selects area of room

Evaluation and Comments:

✔ From the room you can select an area inside that room that the user has difficulty with

✔ The user can change the room

✔ Other evaluative comments:

Use Case 3: The user needs to be able to create or reset a user profile. User profile includes a username, password, age range, state, and user icon.

User Flow: Step by step overview of user interactions with product

1. If no account exists the app with prompt them to create one
2. The user can input all relevant information
3. The app saves the user account information
4. In the users profile there is an option to reset their profile.

Evaluation and Comments:

✔ The user can provide their account information

✔ The app save the user acoustic information

✔ The user is able to reset their profile

✔ Other evaluative comments:

Use Case 4: User needs to be able to log in to the app.

User Flow: Step by step overview of user interactions with product

1. User will enter in their username and password
2. The user is logged in

Evaluation and Comments:

✔ User is able to successfully login using their username and password

✔ Other evaluative comments:

Use Case 5: User is able to recommend new AT devices.

User Flow: Step by step overview of user interactions with product

1. When the app gives recommendations to the user the user will be prompted to recommend a new device if the user does not see the device they are looking for
2. User is given a prompt to enter in information about that device including name, description, and website.
3. Recommendation is shown on the admin website.

Evaluation and Comments:

✔ User is able to successfully recommend new AT devices

✔ Admins are able to view user recommendations

✔ Other evaluative comments:

Use Case 6: The app needs to give AT recommendations based on the user's general limitations and the room area.

User Flow: Step by step overview of user interactions with product

3. In Use Case 1 the user is provided their general limitations
4. In Use Case 2 the user navigates to the room area that is giving the user difficulty
5. The app returns a list of recommendations based on their general limitations and the area.

Evaluation and Comments:

✔ The app provides a list of recommendations that are relevant to the users limitations and room area.

✔ Other evaluative comments:

Use Case 7: The app needs to allow the user to save their favorite products they have viewed.

User Flow: Step by step overview of user interactions with product

1. While the user is viewing specific AT device details, there is an option to add it to their favorites.
2. The app needs to save their favorite AT devices.
3. Users can view their list of favorites in their user profile.

Evaluation and Comments:

✔ User is able to click an option to add AT device to their favorites.

✔ Users can see their list of favorites in their profile.

✔ Other evaluative comments:

Use Case 8: App needs to refer the user to local services contact information. Local services are based on state.

<u>User Flow:</u> Step by step overview of user interactions with product

1. User goes into the resources tab
2. Users can select their desired state resources.
3. The app will display the chosen states resources

<u>Evaluation and Comments:</u>

✔ The user will be able to successfully find the chosen state's resources

✔ Other evaluative comments:

Use Case 9: The app asks the user if they would like to share via email or printer their AT device recommendations and/or their profile. To print it out it will be shown as a web page the user will then have to print from their browser.

<u>User Flow:</u> Step by step overview of user interactions with product

1. User has an option to share their results in the list of recommendations
2. Users are asked if they want to email or display results in a webpage.
3. If email, the app will start an email for them and open it in their installed email application
4. If webpage, app will generate a webpage and open it up in the user's browser

<u>Evaluation and Comments:</u>

✔ App creates an email for the user

✔ App opens up users email client

✔ App creates a webpage

✔ App opens up the users browser

✔ Other evaluative comments:

Use Case 10: Client needs to be able to manage the AT inventory in the database. Clients can add, edit, or remove AT devices.

<u>User Flow:</u> Step by step overview of user interactions with product

1. Admin logs into the website.
2. To add a new AT device admin clicks on "new AT device" button
3. Form is opened up where the admin can input information about a new AT device.
4. To edit an existing AT device they click on edit button
5. Form is opened up where the admin can edit the AT information
6. To remove and existing AT device the admin clicks on the remove button
7. AT device is removed.

<u>Evaluation and Comments:</u>

✔ Admin can add a new AT device

✔ Admin can edit an existing AT device

✔ Admin can remove and existing AT device

✔ Other evaluative comments:

Use Case 11: Admin can search the AT inventory. The admins can perform either a basic search or an advanced search. An advanced search allows the admin to limit their search keywords to specific categories.

<u>User Flow:</u> Step by step overview of user interactions with product

1. Admin clicks on the search tab
2. Admin can select from either basic or advanced search
3. If basic search admin can input keywords into one field
4. If advanced search admin can search based on keywords in multiple categories
5. Either search returns results.

<u>Evaluation and Comments:</u>

✔ Admin is able to perform a basic search

✔ Admin is able to perform an advanced search

✔ Website returns results that match the search query.

✔ Other evaluative comments:

Use Case 12: Admin can send users Qualtrics surveys to the app. Admins can also view results of surveys.

<u>User Flow:</u> Step by step overview of user interactions with product

1. Admin logs into website
2. Admin clicks on surveys tab
3. Admin clicks on button that says new survey
4. Admin enters survey information into the form
5. Admin saves the Survey information
6. Users are able to view Surveys in user profiles under messages.
7. Admin can view completed Surveys by clicking on the surveys tab.

<u>Evaluation and Comments:</u>

✔ Admin is able to add a survey

✔ Admin is able to view completed surveys

✔ User is able to view surveys

✔ Other evaluative comments:

Use Case 13: Admins can create and remove other admin accounts for the website

<u>User Flow:</u> Step by step overview of user interactions with product

1. An admin logs into the website.

2. Admin clicks on users tab
3. Admin clicks a button to add a new user
4. Admin is given a form to enter in a username and password
5. Admin clicks a button that says create
6. Newly created account can be used to log in
7. To remove an account, admin clicks on users tab
8. Admin clicks delete button next to account they want deleted
9. Admin account is deleted

<u>Evaluation and Comments:</u>

✔ Admins can add new accounts to the website

✔ New account is able to login

✔ Admins can remove accounts from the website

✔ Other evaluative comments:

Use Case 14: Admin can add, edit, or remove extra categories to the AT device table. These are categories the admins might want to add later on. Extra categories are not functional; they only serve to provide extra information.

<u>User Flow:</u> Step by step overview of user interactions with product

1. In the AT inventory table there is a button to add categories.
2. A form is opened where the admin can give the category name
3. After a custom category is created there is a button to edit or delete it
4. If edit, admin is prompted for a new category name.
5. If delete, admin is prompted to confirm deletion.
6. If admin is ok with deletion, the category is deleted.

<u>Evaluation and Comments:</u>

✔ Admin can add a new category

✔ Admin can edit a newly added category

✔ Admin can delete a newly added category.

✔ Other evaluative comments:

Known short-comings: Functionality still deficient/missing:

If there were challenges you listed earlier that were *not* covered by a demo, list here. This will hopefully be a short list…but better to be clear about where you are. If you have items here, you could list (if applicable) any pending plans/schedule to get this implemented.

- There is a known bug with the UI in some situations where the user selects from a list (such as when the user selects their general limitations). It does not show as selected unless you leave that screen and come back to it.
- Currently Use Cases 9 and 14 are not implemented. We plan to have them implemented before the actual demo however.