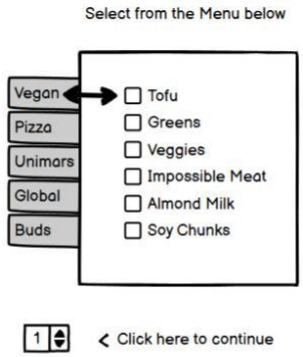
Homework-4

In this task we as in a group developed a website which we have chosen from our previous homework hw2. Our activity was about the students facing challenges to have a meal in Broderick Dining Commons at the university. Students have an option to choose from different categories like pizza, vegan food, unimars section , global section, buds section, etc. According to my observance the demand for the buds section is quite high which has fried chicken, beef , fries,etc. Students often wait for long as in this section and rarely in other sections of food. My proposal for having an application where students could select their desired food from the menu from any section and have their food packed would be an ideal keeping time constraint in mind. They can just come and pick it up once it is packed and notified to them on the application which would save a lot of time for students during the rush hour. Here is the wire frame that we have designed for above proposed scenario

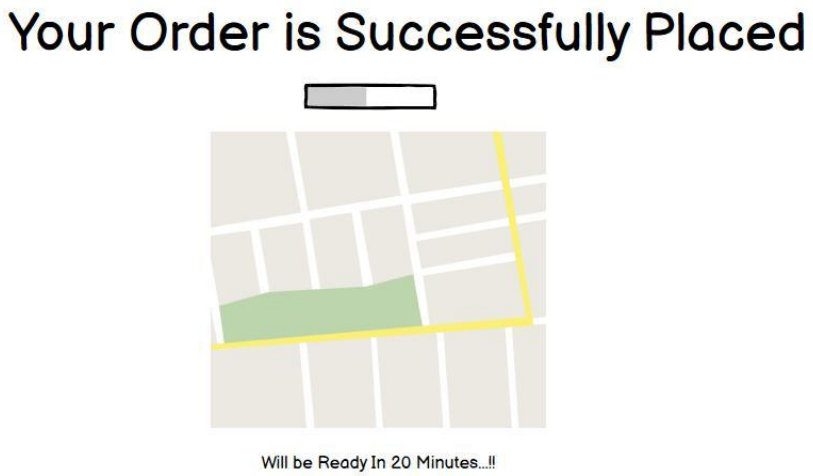
Here is the screenshot of wireframe-1 which gives the user to select the pickup or delivery option. When the user logins with MIDAS id and password he would be able to

browse through the menu. In the search bar he/she would be able to update the location.



In the above wireframe, It is the page that pops up when the user logins in. When he/she hovers on the desired category, the available options for the day would popup and the user would be able to select them. Below is the quantities option and the click here to continue button that redirects to the next page.

In the above wire frame, the user would be able to review the order or add more items if needed, Once this is done, he/she can proceed to checkout.



The user would be then redirected to the next wireframe displaying the time in which the order would be ready.

My friend had a conversation with one of the students working at Broderick dining Commons named bhavana. She is a 23 year old graduate student pursuing masters in computer science at the university. She as a part-time food server suggested to me an idea of this application and that is how we have developed a wire frame out of it. During the rush hour, Despite the lengthy queue she had to constantly serve the coming students. The key points of our conversation are as follows:

- ➔ 1. She suggested an online application which allows students to check the daily menu and place orders from mobile or a web based browser from laptop.
- ➔ 2. Orders once placed are received by the BDC team and they have them packed.
- ➔ 3. Once this is done, the students get notified and they are good to pick up.Here are some pictures of the Broderick Dining Commons and the person with whom she had this discussion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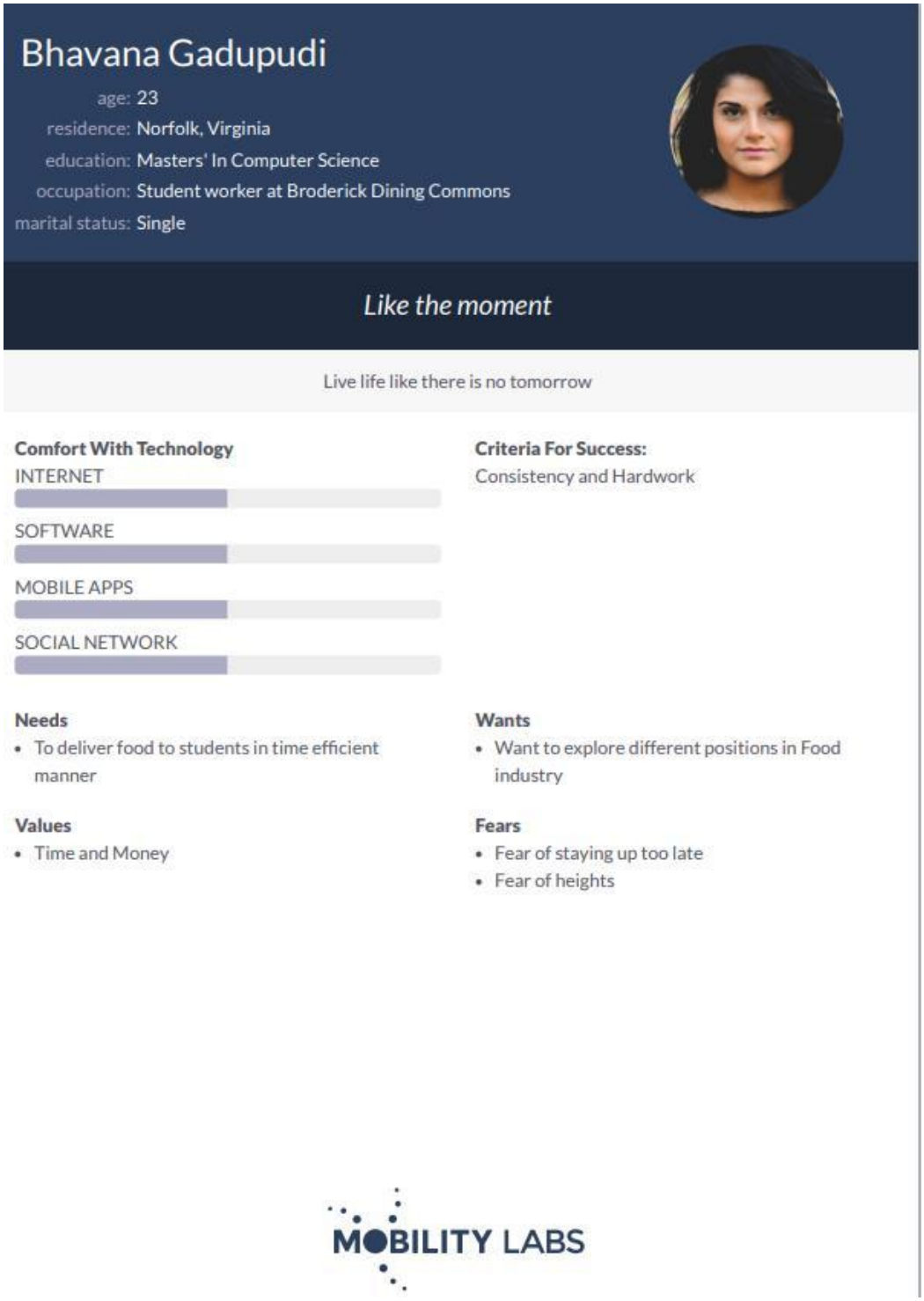
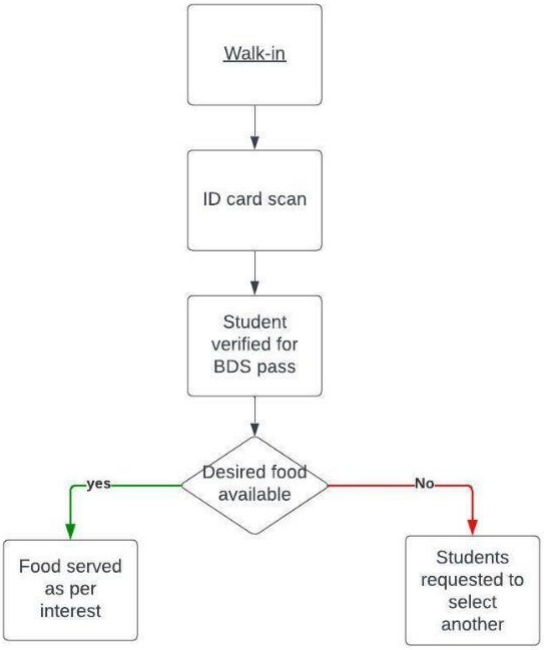
Here is the screenshot of persona of the interviewee:

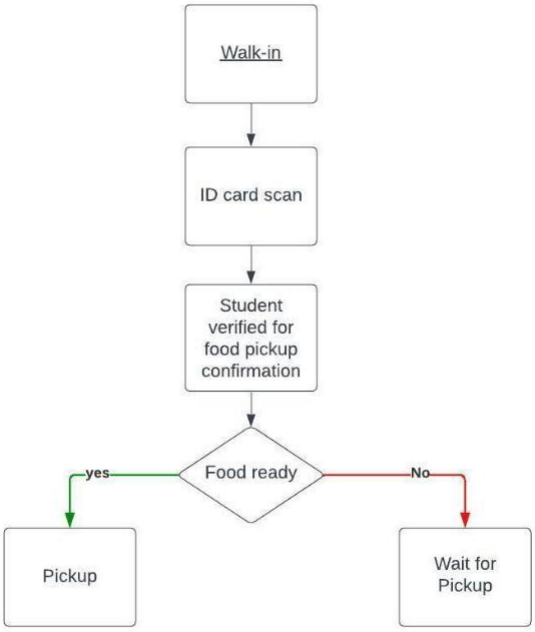


HTA- Hierarchical Task Analysis

Use case diagram of existing system:



Use case diagram for proposed system



Use Case Diagram