

HUSKY EATS

NORTHEASTERN DINING APP

CS5340 FINAL PRESENTATION

Group 9: Michael Maquera, Meishan Li, Srijha Thammareddy

AGENDA

01

INTRODUCTION

02

DESIGN OVERVIEW

03

DEMO

04

USABILITY TEST RESULTS

05

UI IMPROVEMENTS

INTRODUCTION

Background

Northeastern students currently use NUDining website on a daily basis to find out Open Hours of each location and the menu served at these places.

Problem

However, the mobile version of this website has not been very user friendly for a long time and the website also has significant design flaws like,

1. Not allowing user to search or filter menu
2. Unnecessary redirection, that resets user selection
3. Information that was unnecessary on Home Page etc.

Proposed Solution

Design a smartphone application that is user centric, adhering to HCI lifecycle and principles



DESIGN OVERVIEW

LOGIN

HOME

BARCODE

DINING HALL

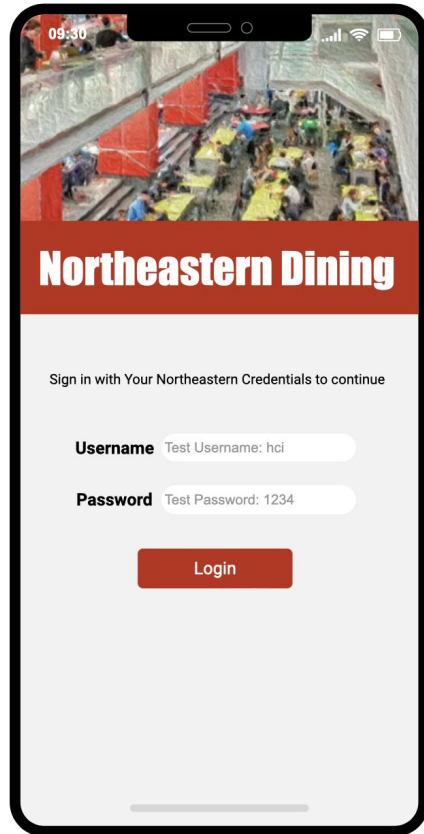
CALORIE TRACKER

JUKEBOX

DESIGN OVERVIEW

LOGIN

CS5340 - GROUP 9



09:30

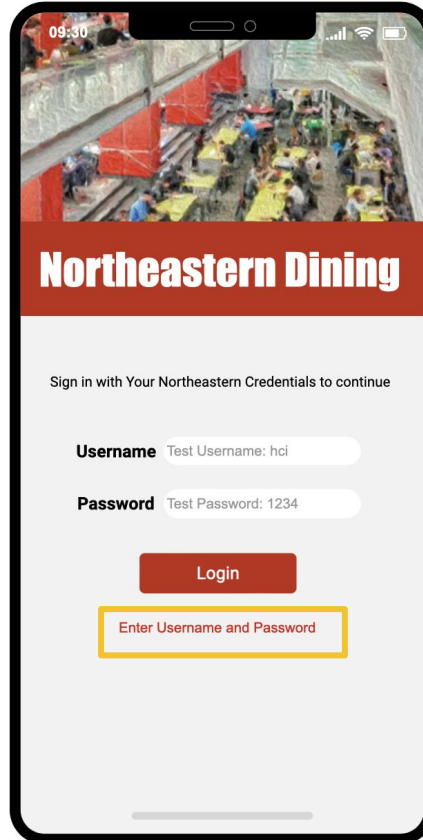
Northeastern Dining

Sign in with Your Northeastern Credentials to continue

Username Test Username: hci

Password Test Password: 1234

Login



09:30

Northeastern Dining

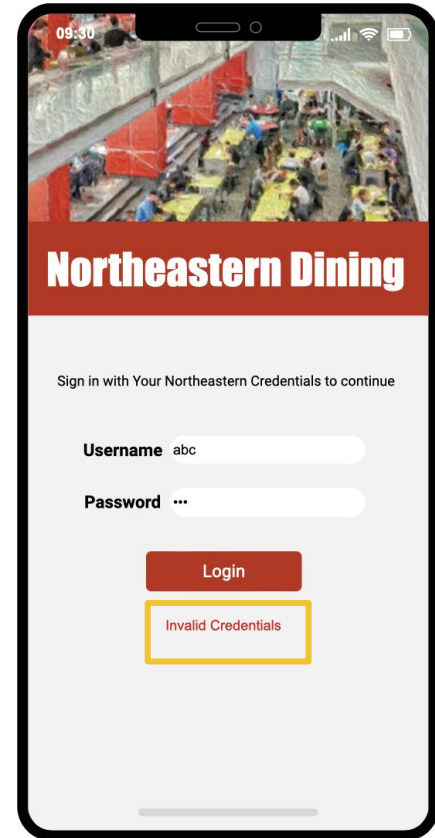
Sign in with Your Northeastern Credentials to continue

Username Test Username: hci

Password Test Password: 1234

Login

Enter Username and Password



09:30

Northeastern Dining

Sign in with Your Northeastern Credentials to continue

Username abc

Password ...

Login

Invalid Credentials

HOME

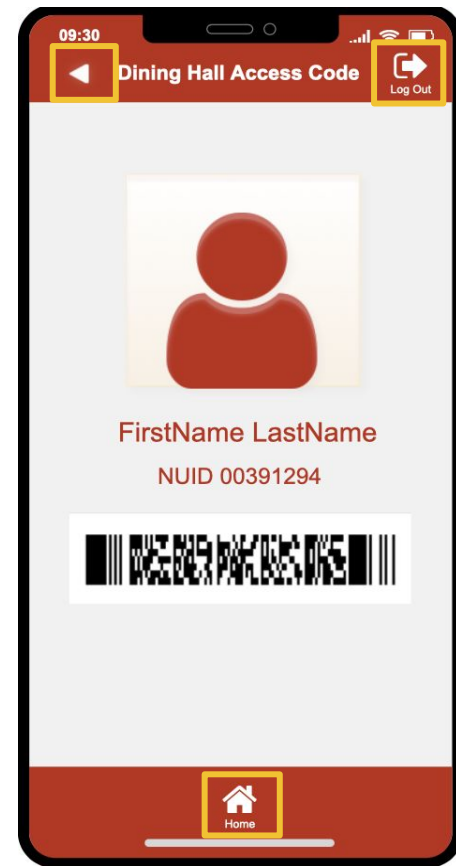
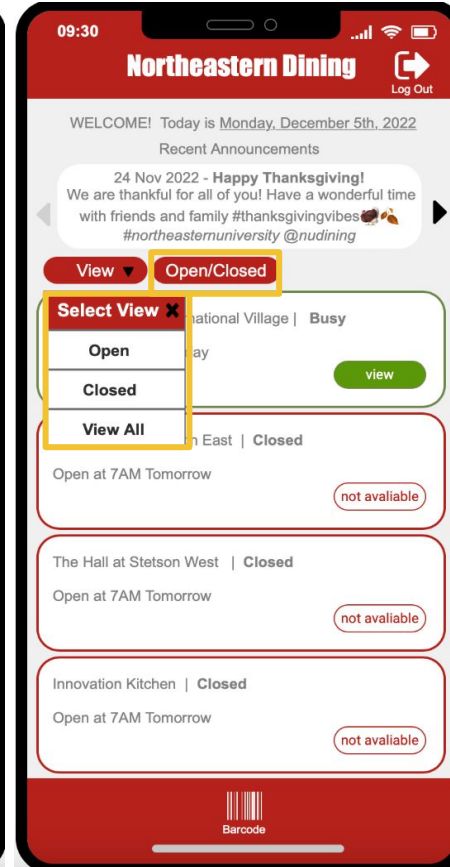
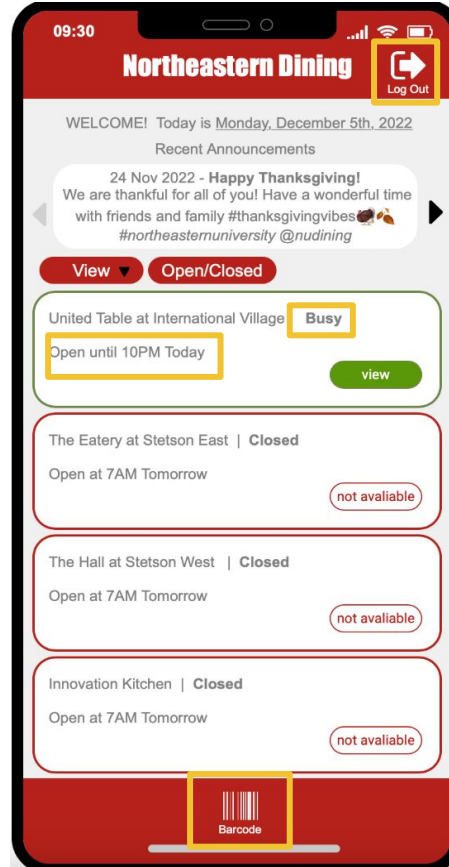
BARCODE

Available

- Events Banner
- Open/Closed
- Open until times

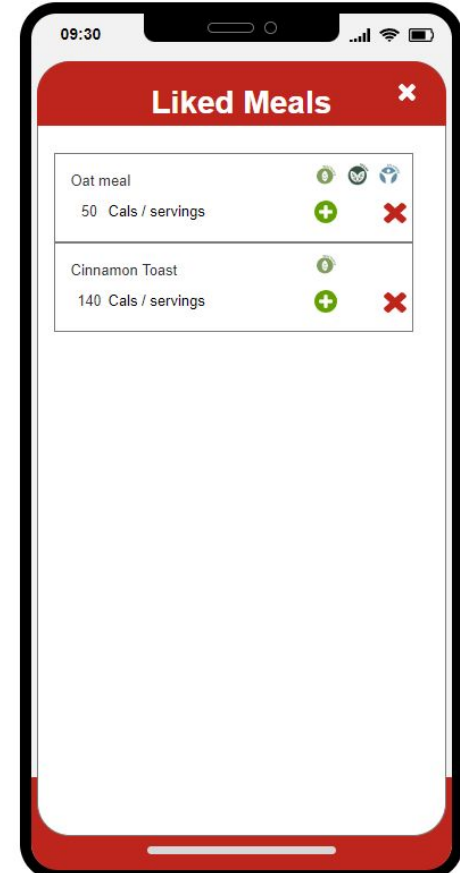
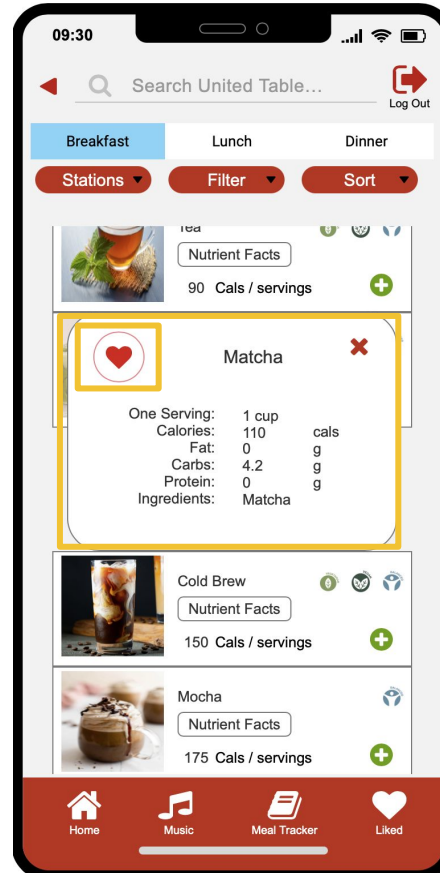
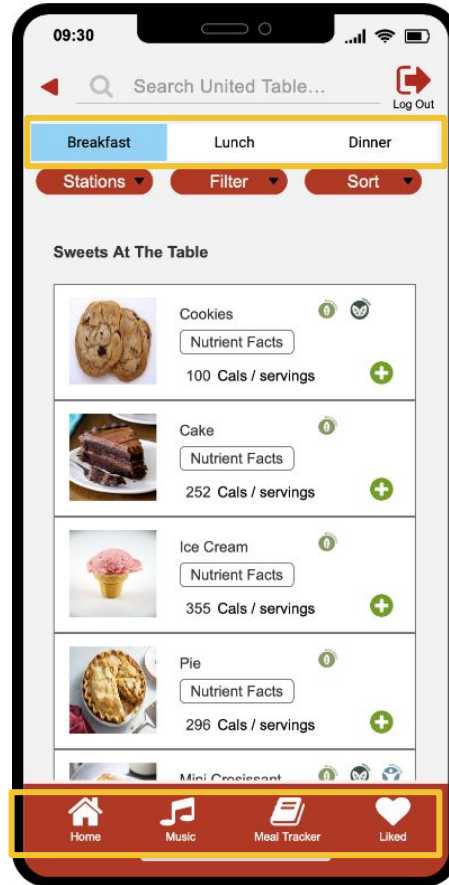
Possible Actions

- Barcode page
- Dining hall view

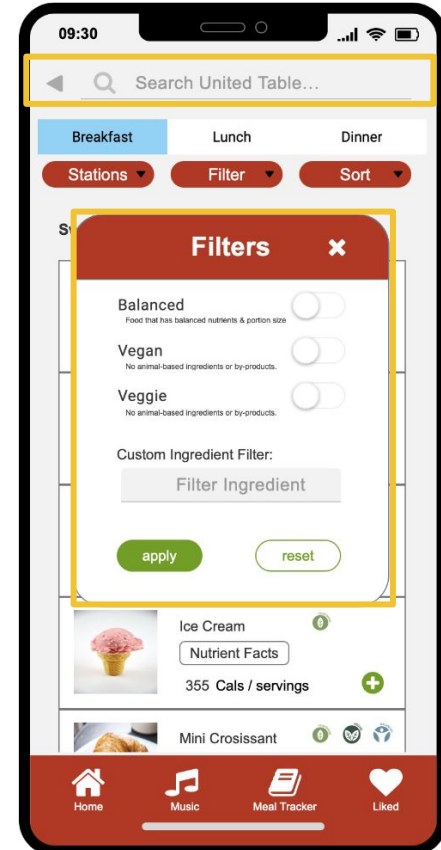
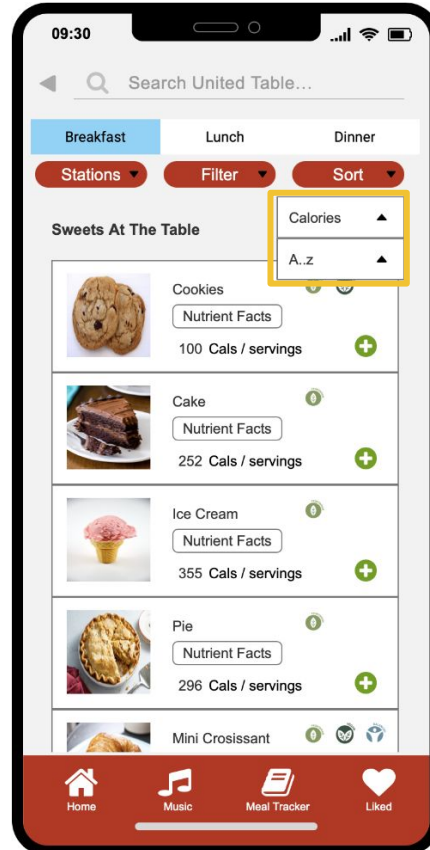
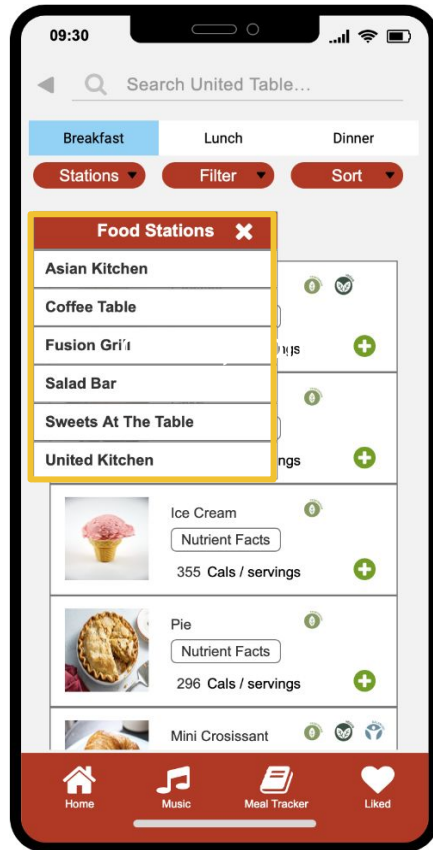


DINING HALL

All pages have a Back/
Home and Logout
buttons at the same
locations so user doesn't
have to remember them



DINING HALL continued



MEAL TRACKER

Allows users to keep track of calorie intake

Encourages when calories are within a certain amount

Shows a message if gone above this value

Meal Tracker

Reset

Pick a date
December 05 2022

History

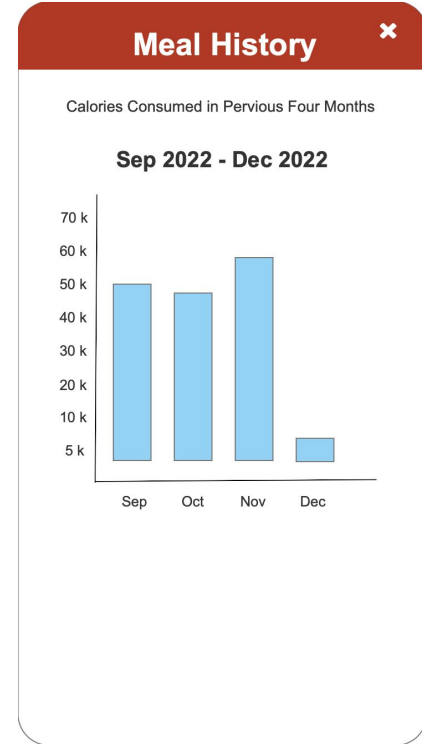
Oat meal	50 Cals	+ 1 -
Tater Tots	100 Cals	+ 1 -
Lettuce	5 Cals	+ 1 -

Measure:	Total:	Percent of Intake
Carbs	16.00	8 %
Fat	9.00	5 %
Protein	16.00	8 %
Calories	155.00	79 %

Save

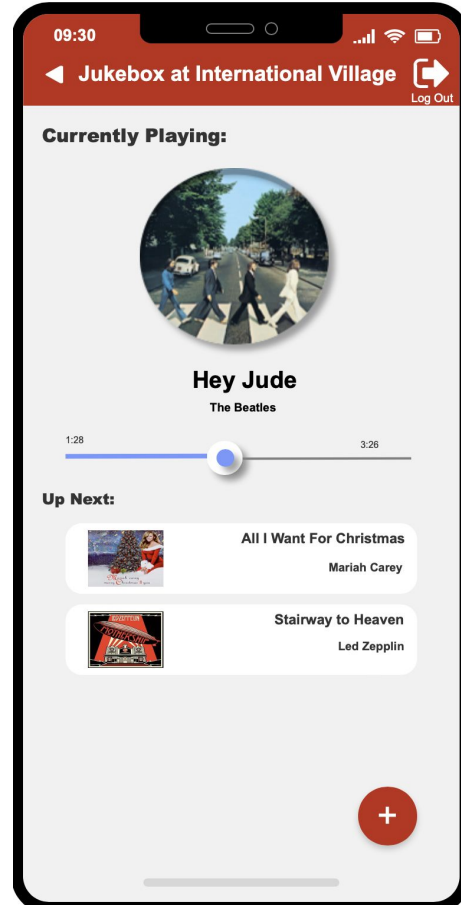
Congratulations! You live a healthy life today!

You have eaten 155 calories today.



JUKEBOX

Allows users to add
the songs they like,
to the song queue at
the dining hall



Song Form

What song do you want to listen to?
Please enter the artist and song title below, and
your favorite songs will be queued in order :)

Enter the **Artist** Name Here:

Enter the **Song** Name Here:

Submit

The background of the slide is a photograph of the Curry Student Center. The top portion shows a stone wall with the words "CURRY STUDENT CENTER" carved into it. The bottom portion shows a large glass-walled building with several columns and trees in the foreground.

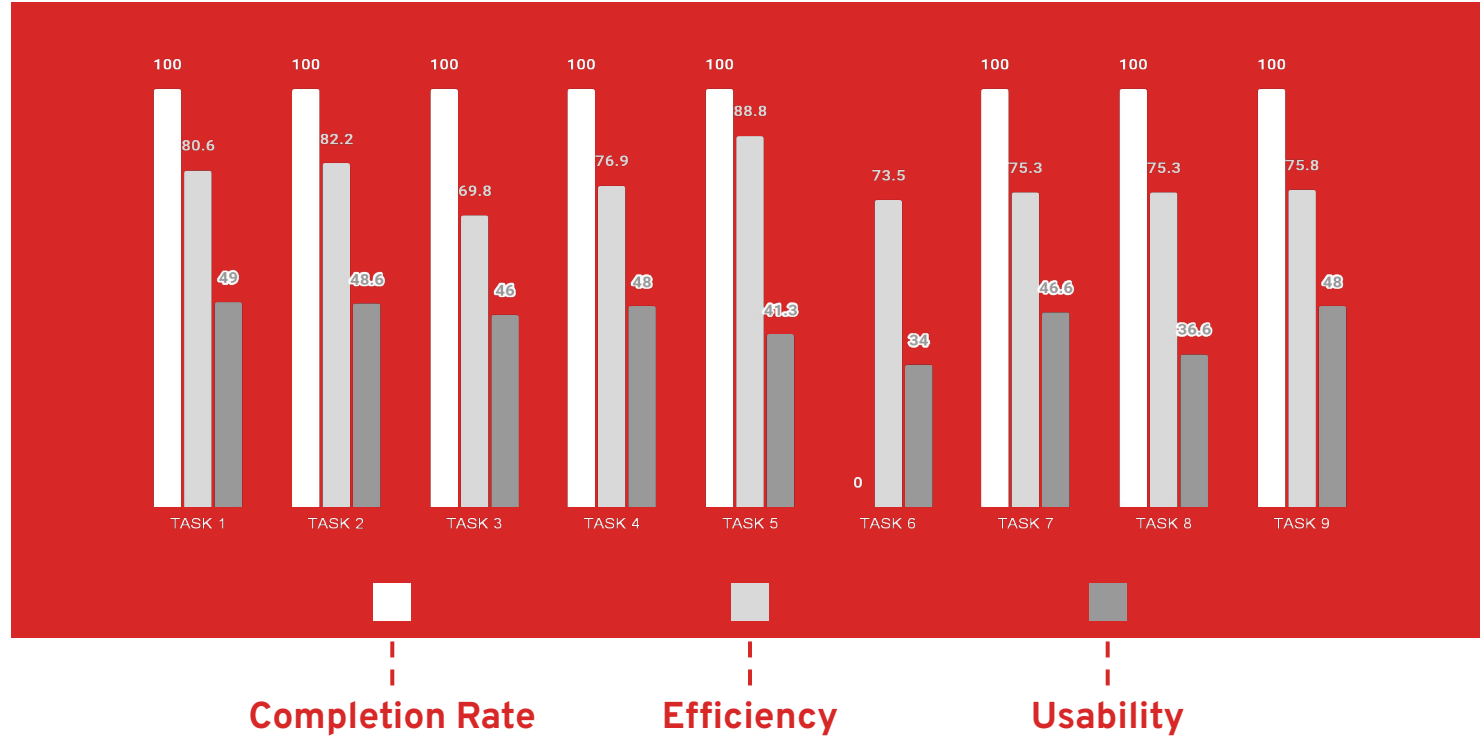
CURRY STUDENT CENTER

APP OVERVIEW

INTERACTIVE DEMO

<https://ewjkm6.axshare.com>

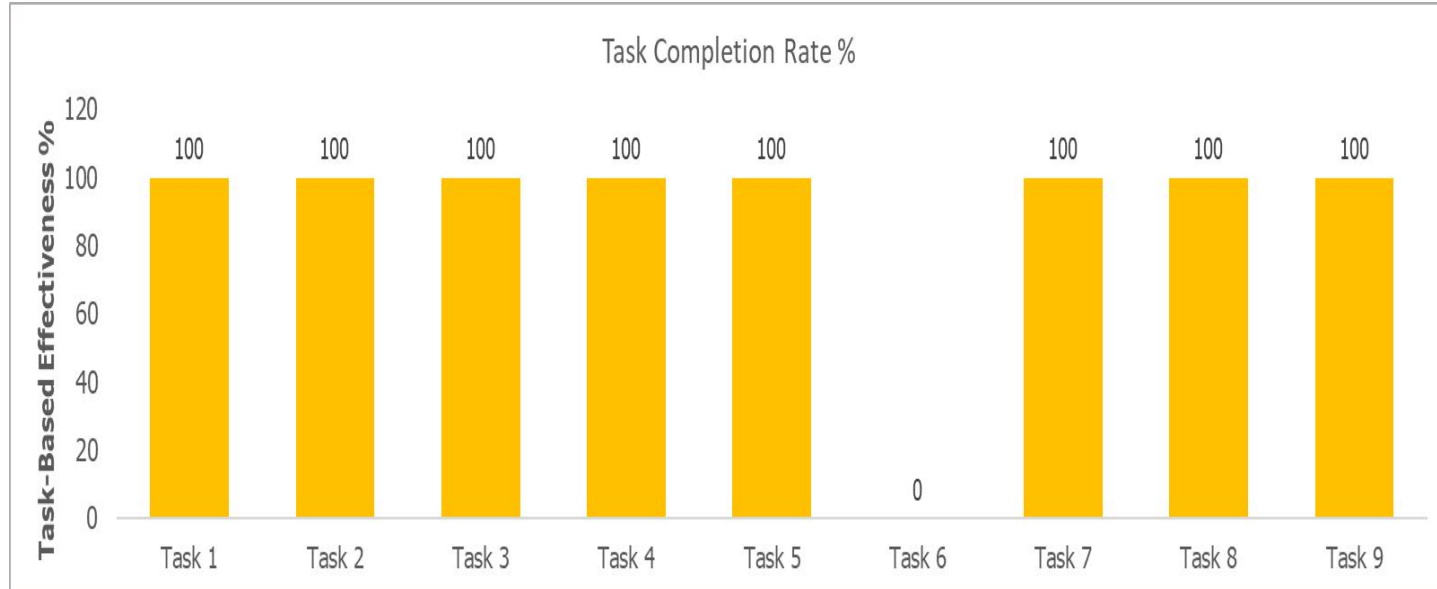
USABILITY TEST RESULTS



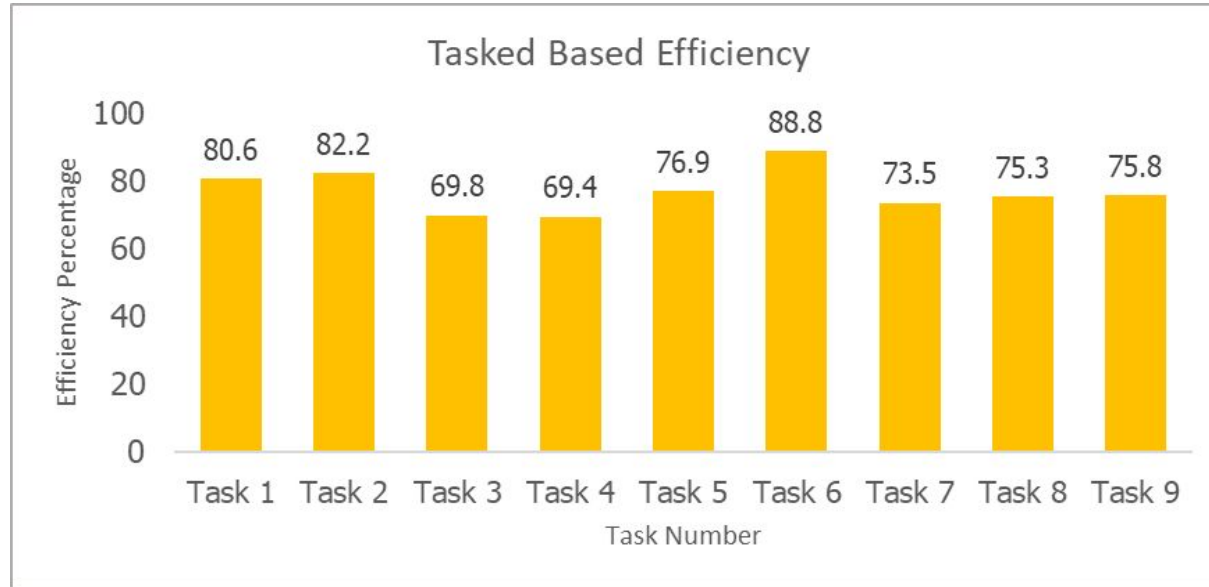
OVERALL USABILITY

Usability metric	Measure	Benchmark	Target	Observed
Perceived Overall Usability	SUS	68	80	79.5

TASK COMPLETION

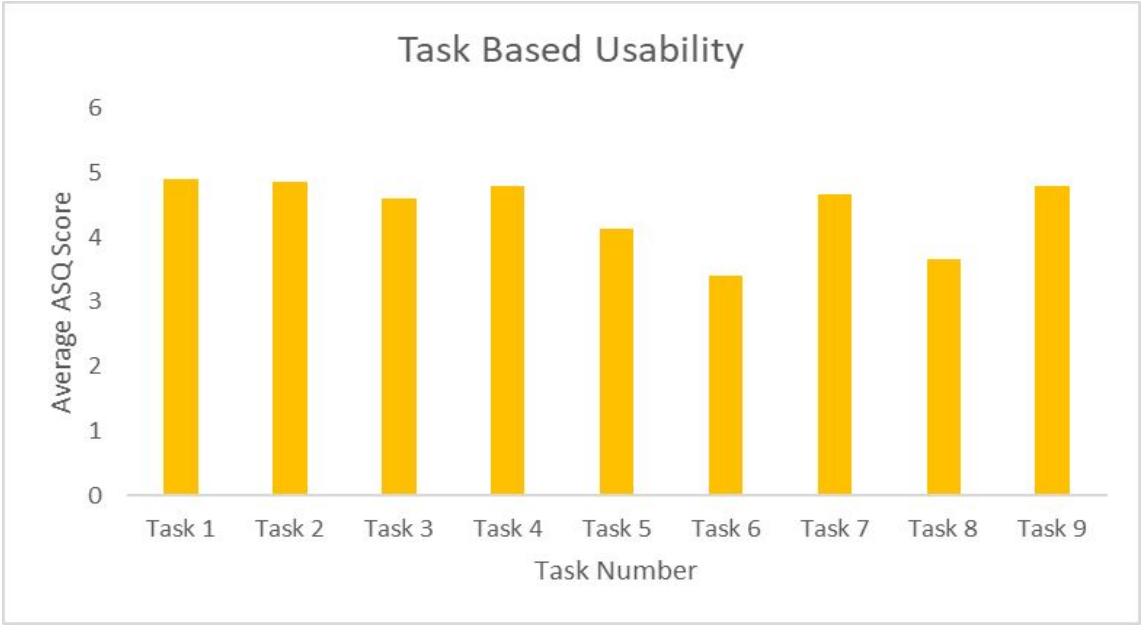


TASK BASED EFFICIENCY



Average Time To Complete A Task	Time to Complete A Task (Seconds)	Target: 80%	Average Benchmark: 16 seconds	Average: Observed Time 20.40 seconds
---------------------------------	-----------------------------------	-------------	-------------------------------	--------------------------------------

TASK BASED USABILITY

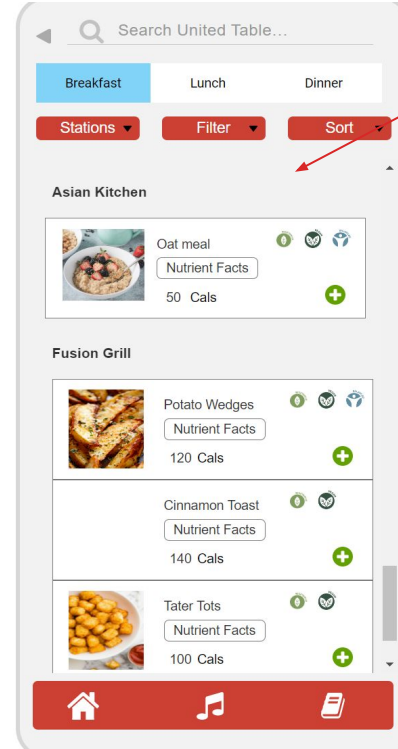
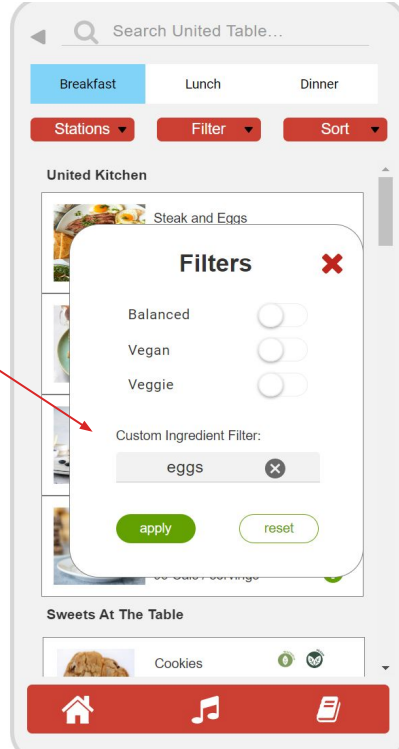


Average Task-Based Usability	Metric: Tasked Based Usability	Measure: ASQ	Benchmark: N/A	Target: 4	4.42
------------------------------	--------------------------------	--------------	----------------	-----------	------

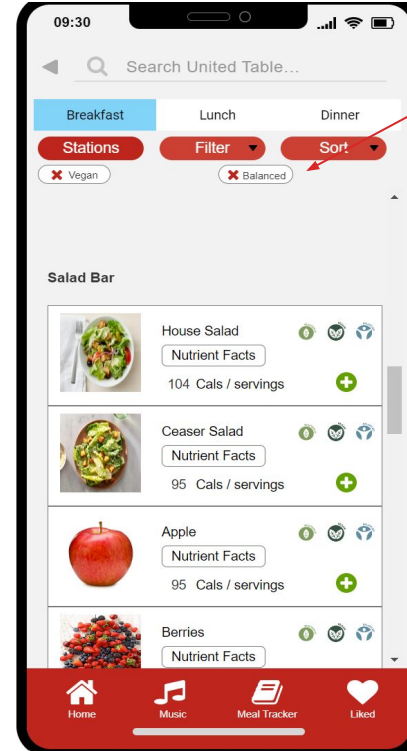
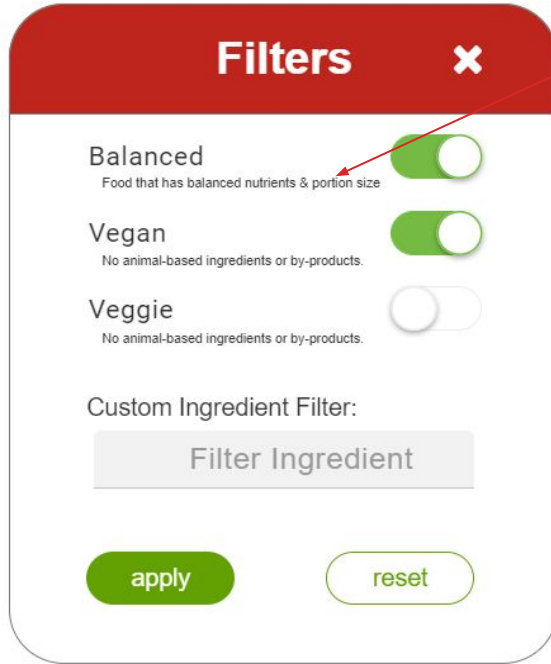
UI AREAS OF IMPROVEMENT

Task 6 - Filtering	ASQ 3.44	Task Completion 0%
Task 8 - Meal Tracker	ASQ 3.66	Time of Completion 56s

TASK 6 FILTER IMPROVEMENTS - BEFORE



TASK 6 FILTER IMPROVEMENTS - AFTER



TASK 8 MEAL TRACKER IMPROVEMENTS - BEFORE

Here are the nutrients you will receive by this meal :

Carbs	24.00	9 %
Fat	8.00	3 %
Protein	6.00	2 %
Calories	240.00	86 %

Save

Congratulations! You live a healthy life today!

You already took 6480 carolies today
240

Reset
MealPlan
X

Pick a date

Chicken and Waffles
145 Cals
+ 1 -

+ Add a new item

Here are the nutrients you will receive by this meal :

Carbs	-2.00	0 %
Fat	-8.00	1 %
Protein	-6.00	1 %
Calories	-669.00	98 %

Save

Congratulations! You live a healthy life today!

You already took -669 carolies today
145

TASK 8 MEAL TRACKER IMPROVEMENTS - AFTER

Reset
Meal Tracker
X

Pick a date

History

Cake	252	Cals	+ 1 -
Ice Cream	355	Cals	+ 1 -
Mini Croissant	260	Cals	+ 1 -

Error: You Must Pick A Date!

+ Add a new item

Here are the nutrients you will receive by this meal :

Carbs	77.50	8	%
Fat	37.70	4	%
Protein	11.60	1	%
Calories	867.00	87	%

Save

Congratulations! You live a healthy life today!

You have eaten 0 calories today

Reset
Meal Tracker
X

Pick a date

December 06 2022

History

Potato Wedges	120	Cals	+ 1 -
Cinnamon Toast	140	Cals	+ 1 -
Stir Fry	120	Cals	+ 1 -

Error: Meal Already Saved Today!

Measure:	Total:	Percent of Intake
Carbs	63.80	7.000 %
Fat	35.10	00000 %
Protein	10.00	2 %
Calories	380.00	78 %

Save

Congratulations! You live a healthy life today!

You have eaten 380 calories today.

Reset
Meal Tracker
X

Pick a date

December 05 2022

History

Oat meal	50	Cals	+ 1 -
Lettuce	5	Cals	+ 1 -

ATTENTION !
The entire meal tracker will be deleted.

Cancel

Okay

Measure:	Total:	Percent of Intake
Carbs	16.00	8 %
Fat	9.00	5 %
Protein	16.00	8 %
Calories	155.00	79 %

Save

Congratulations! You live a healthy life today!

You have eaten 155 calories today.

THANK YOU

CS5340 FINAL PRESENTATION

Group 9

Michael Maquera,
Meishan Li
Srijha Thammareddy

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.