Deliverable E: Project Plan and Cost Estimate

GNG 1103

Team A7

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Introduction:

The purpose of this report is to outline and plan the UI design for the prototypes as well as provide a basic cost estimate for all applicable resources . In addition, this document will give a rough timeline for expected completion dates of project milestones. This ensures team members will be able to adequately prepare and work on prioritized tasks in a timely manner. Moreover, the document provides information regarding the risks and contingency plans associated with the project.

Design Concept:

The chosen design is very simple and takes aspects from many similar companies such as UberEats and Skip the Dishes. The website will open with a login screen from which you can then scroll through restaurants using various sorting categories to choose food. Food selection can be added to a shopping cart, which can then be bought. Once the food has been ordered, live tracking of the delivery will appear on the screen. See appendix I for details and photos as well as a potential colour pallet of blue and orange.

Project Plan:

The project plan is broken up according to the prototype deliverables. The code will be written on jsfiddle. Code will be shared in GitHub so that everyone has access to it and can compile the code together to see if it works.

A meeting schedule was set up by using an organizational website, where team members are able to set the time and dates at which they are free. This allows the team to be properly prepared and also respects all team members schedules. A link will be provided in the reference section [1] to see the website and available meeting times. (The darker the green colour shows when more team members are available.)

Tests

Surveys will be made for each prototype about the user experience and what worked well and what didn't. The links to the surveys will be shared with users on platforms such as discord, Facebook, and email. As well, functional testing will be done, for example does the login for the website take less than one minute?

Deliverable F: Prototype I and Customer Feedback

Plan:

The goal of prototype I is to have the html and CSS completed. We would like the clients to be able to see how the website will look, so that they may provide feedback as to what they do and do not enjoy. Visually the website should look completed however only the JavaScript needed to create buttons and link the pages of the website needs to be completed. The more complicated logic does not yet need to exist. The most important components of this prototype are to have a uniform colour scheme, a professional look, and buttons that lead to the pages to demonstrate how it will work. As well, if time permits, the functionality of one or two pages (such as login page or FAQ page) should be in progress.

Deliverable G: Prototype II and Customer Feedback

Plan:

The goal of the second prototype is to add functionality to the first prototype. This will be done by programming the buttons and menus shown in the first prototype using Javascript to turn the project into a functioning website. On top of adding the functionality to the website, any feedback on the visual designs from the first prototype will be integrated into the website.

Deliverable H: Prototype III and Customer Feedback

Plan:

The goal of the third prototype is to test all the buttons and links on the website and make sure all the functions work properly and ensure it meets the clients' needs based on the previous client meetings. The prototype is based on the "why", "what" and "when" of prototyping questions. The feedback acquired from the clients and from the user surveys will be applied to the development of the third prototype. Overall, the goal of the third prototype is to finish the website and make improvements on the clients critiques. All logic and pages should be done at this point.

Project Risks:

Risk	Contingency Plan
Difficulty integrating work from different creators	Work on the code as a team. Blend them and then do a group debug
Corrupted files	Always have every team member create backups of everything at every stage in the process
Strict and fast upcoming due dates	Time management and planning is vital. Open communication is vital. When time is limited, prioritize the tasks and do what is the highest priority
Integrating the UI created with the clients' back end code	Keep open communication with the clients to confirm whether it is possible to integrate the UI software with the backend software.
Every team member is a beginner coder	Watch videos to learn and do research. Keep open communication and ask for help from teammates.

BOM:

Material	**Explanation**	**Cost ($)**
Adobe Illustrator	Design the logo and animate a logo for JAMZ. Loading symbol as website loads and opens.	19.99
Reactjs	Used to build the website	free
Github	Used to share our code with each other (So we can code together)	free
Google maps API [5]	For the live tracking of drone/order	7$/1000 users
Bootstrap	CSS library	free
JQuery	Javascript library	free

Stock images	For the client when they produce the real website	TBD
CS50	Online coding tutorial and web based IDE	free
JSfiddle	Potentially used to build websites	free
Domain Name	Name of website and URL	$0.99/month
Trello	Scheduling Important dates	Free
When2Meet	Finding when everyone is free over the next two weeks	Free

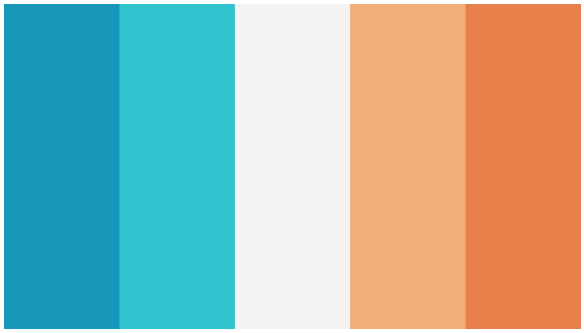
References:

[1] https://www.when2meet.com/?10158966-XY8vU
[2] https://www.schemecolor.com/blue-green-and-orange.php
[3] istockphoto.com/illustrations/mountain-range
[4]https://trello.com/invite/b/acZOOR9Q/b75a0e7621020831a687ec4ae5d506ee/gng-1103-group-a7
[5] https://cloud.google.com/maps-platform/pricing

Appendix I - Design

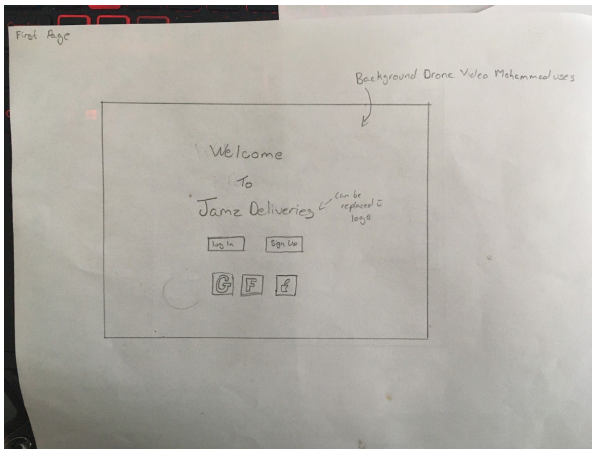
Conceptual design.

Potential Colour scheme [2]:

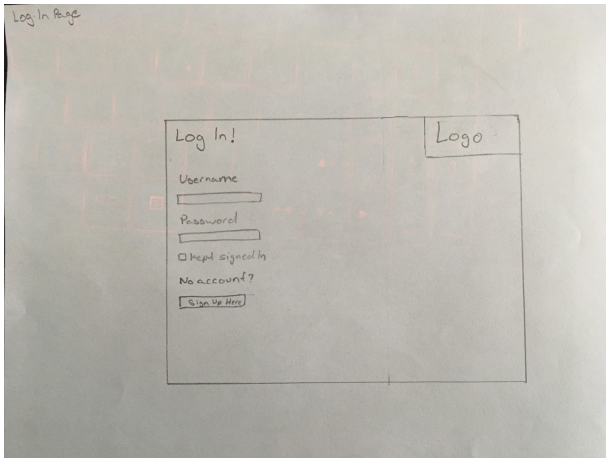


Potential background layer concept [3]:

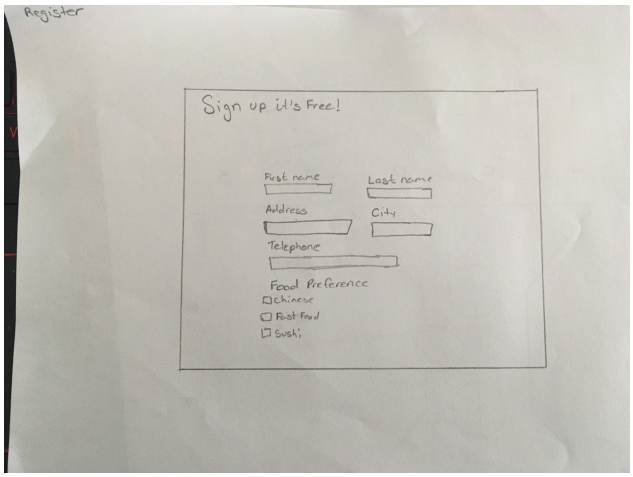
Introduction page: Asks the user to sign in or create an account



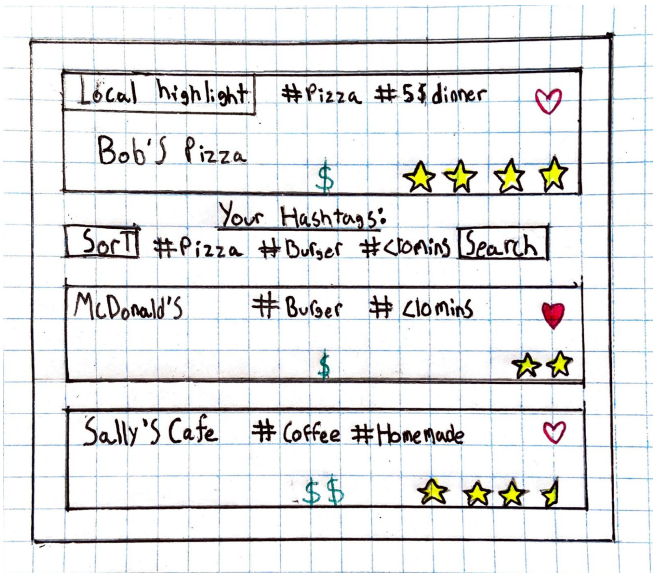
Login page: prompts user to input their username and password



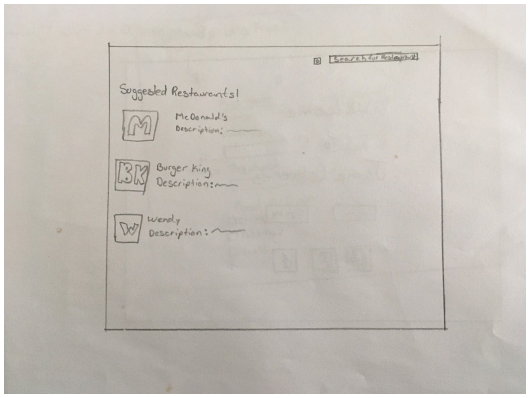
Sign up page: requests user to create a username, password, input their email



Restaurant selection page. Displays restaurants according to price range and rating, and hashtags.



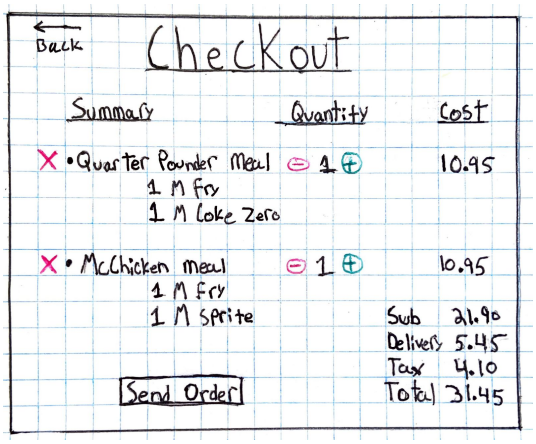
Suggested Restaurant Page



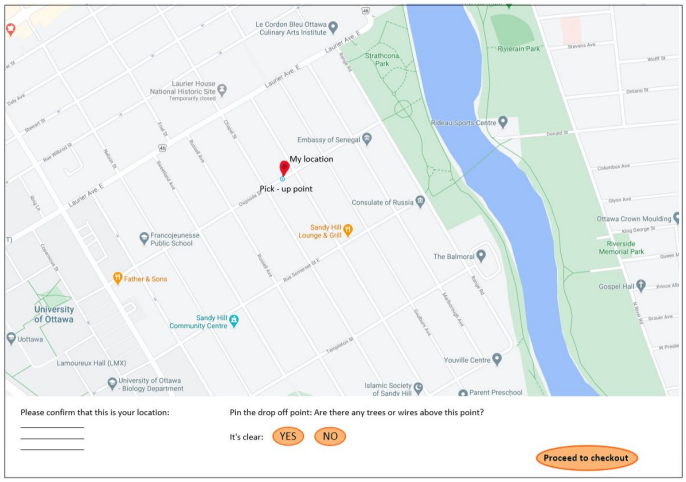
✓ Food selection / restaurant page - Jiachen

Order customization/Food customization page

Order Checkout page

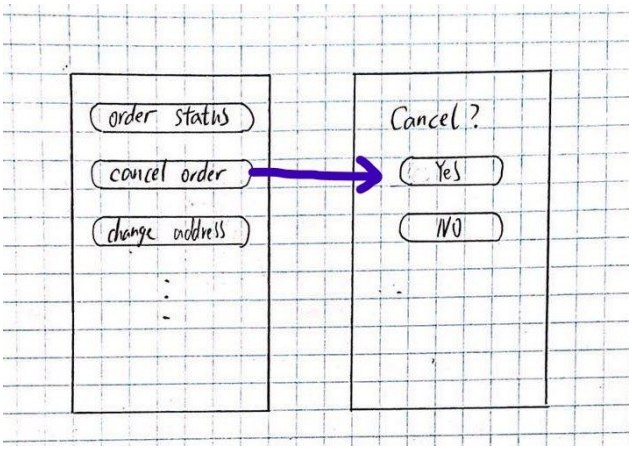


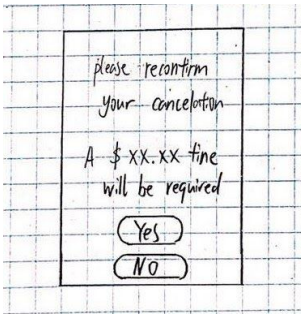
Pin your location on the map before checkout

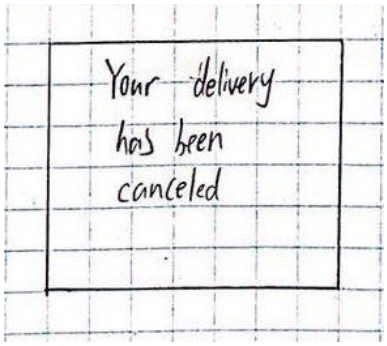


Order Tracking Page

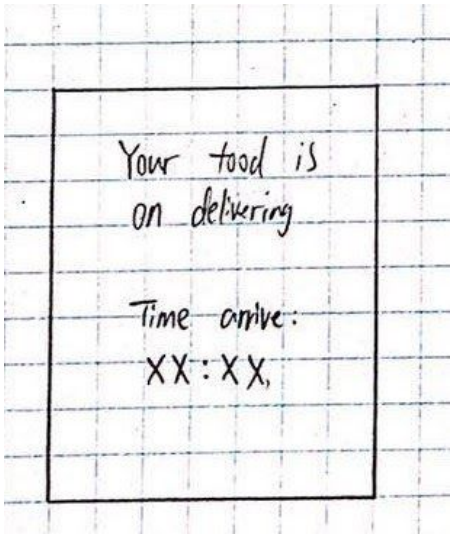
Cancel your order?



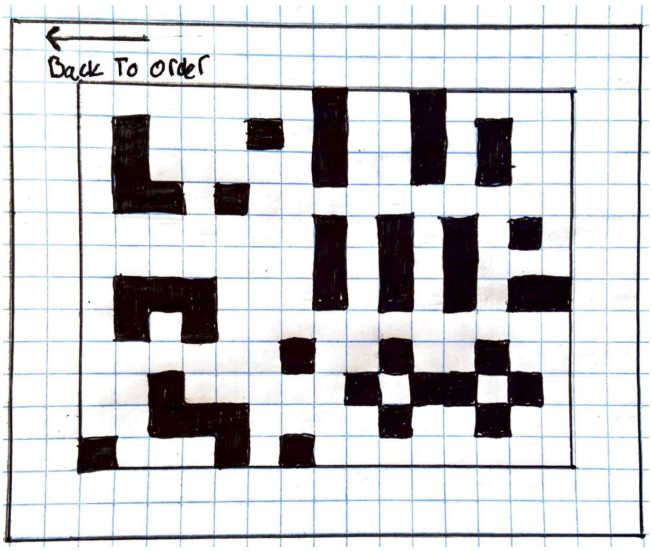




Food arrival ETA

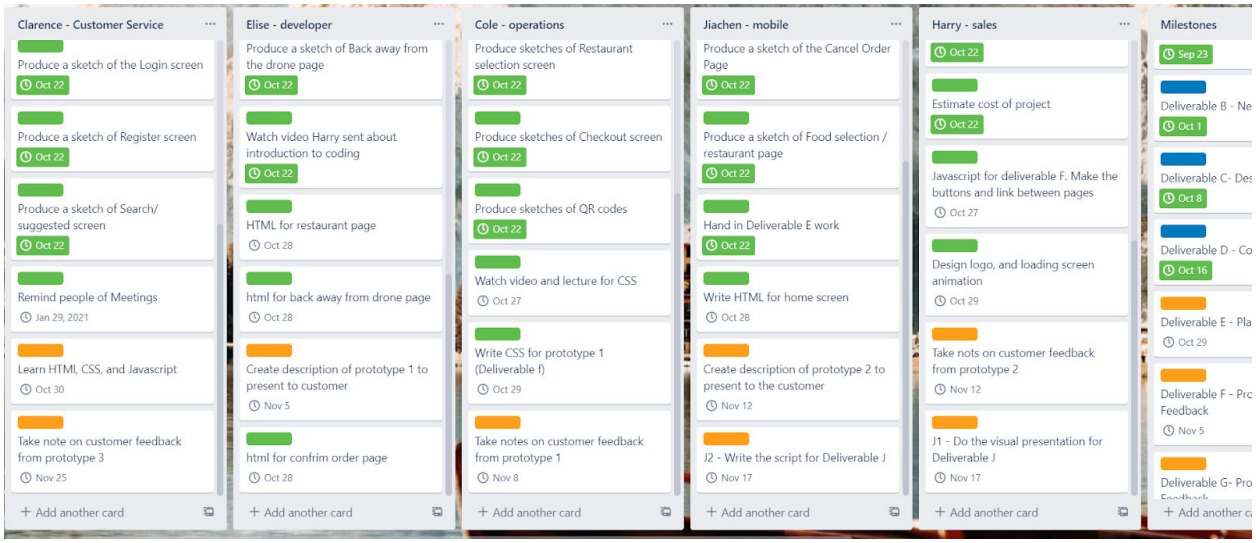


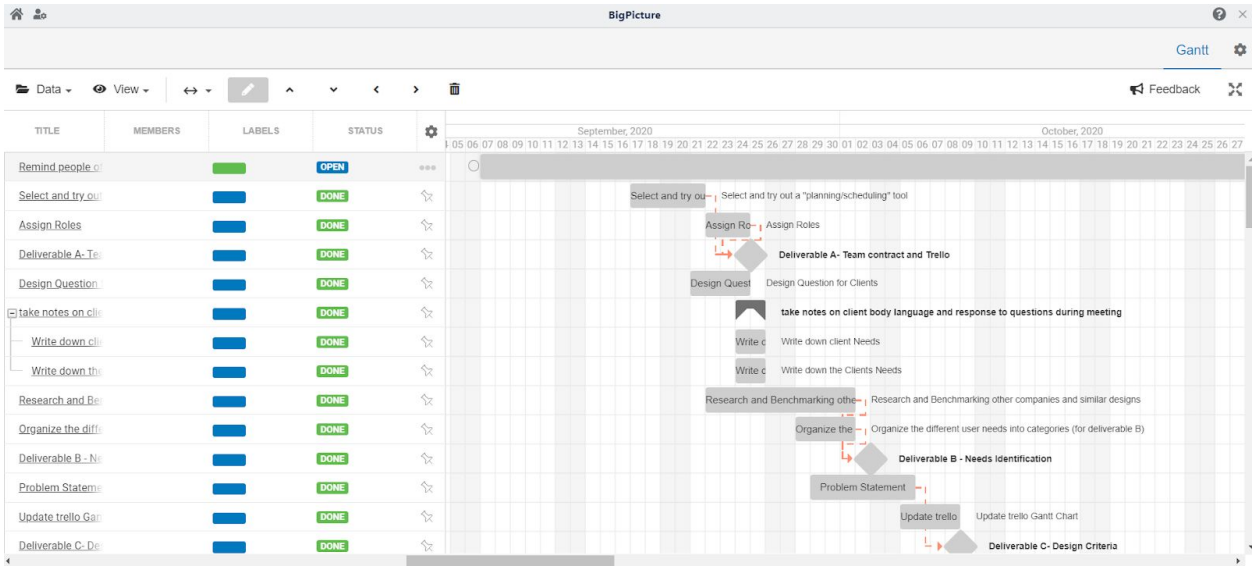
QR code to accept delivery

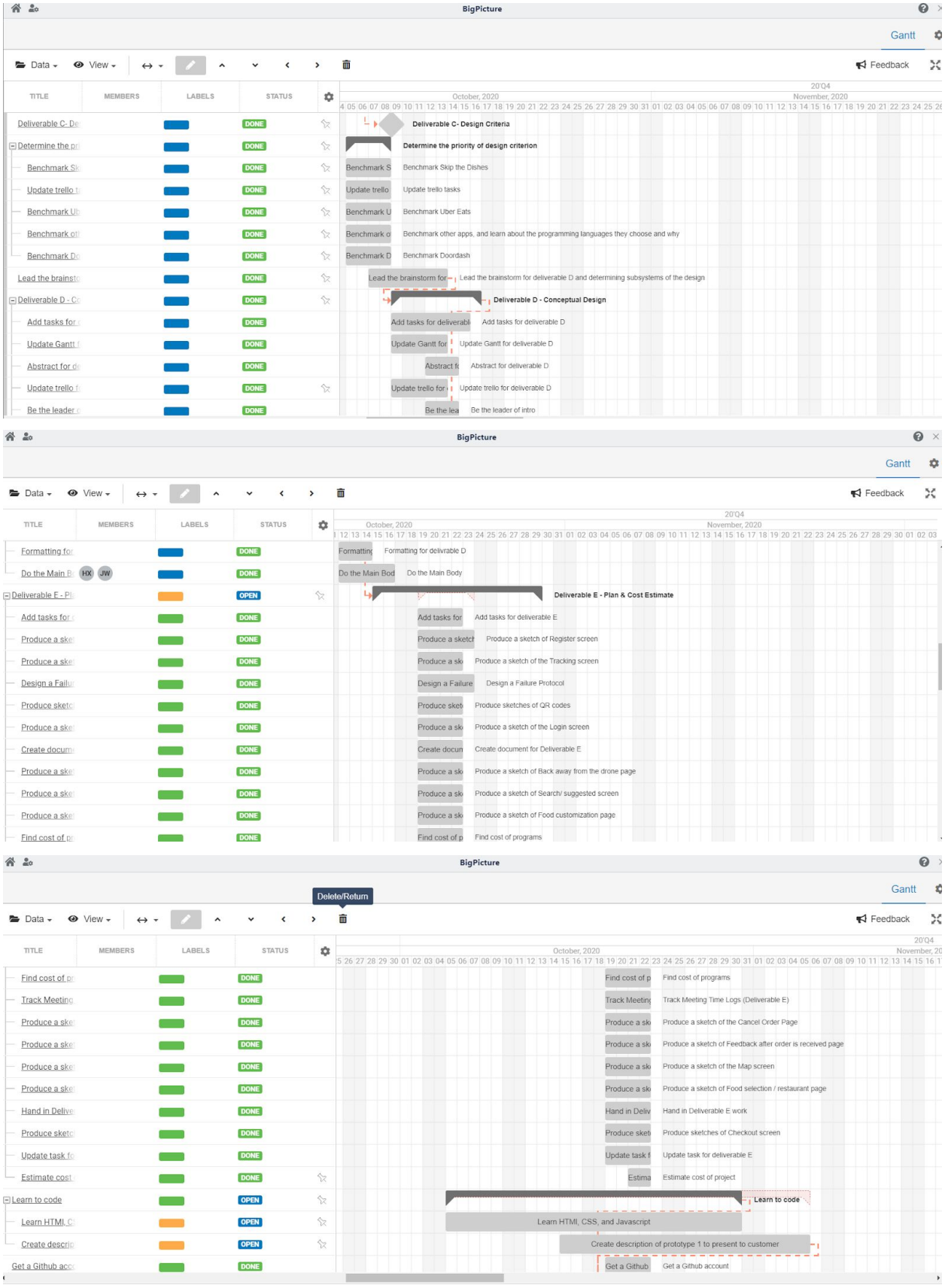


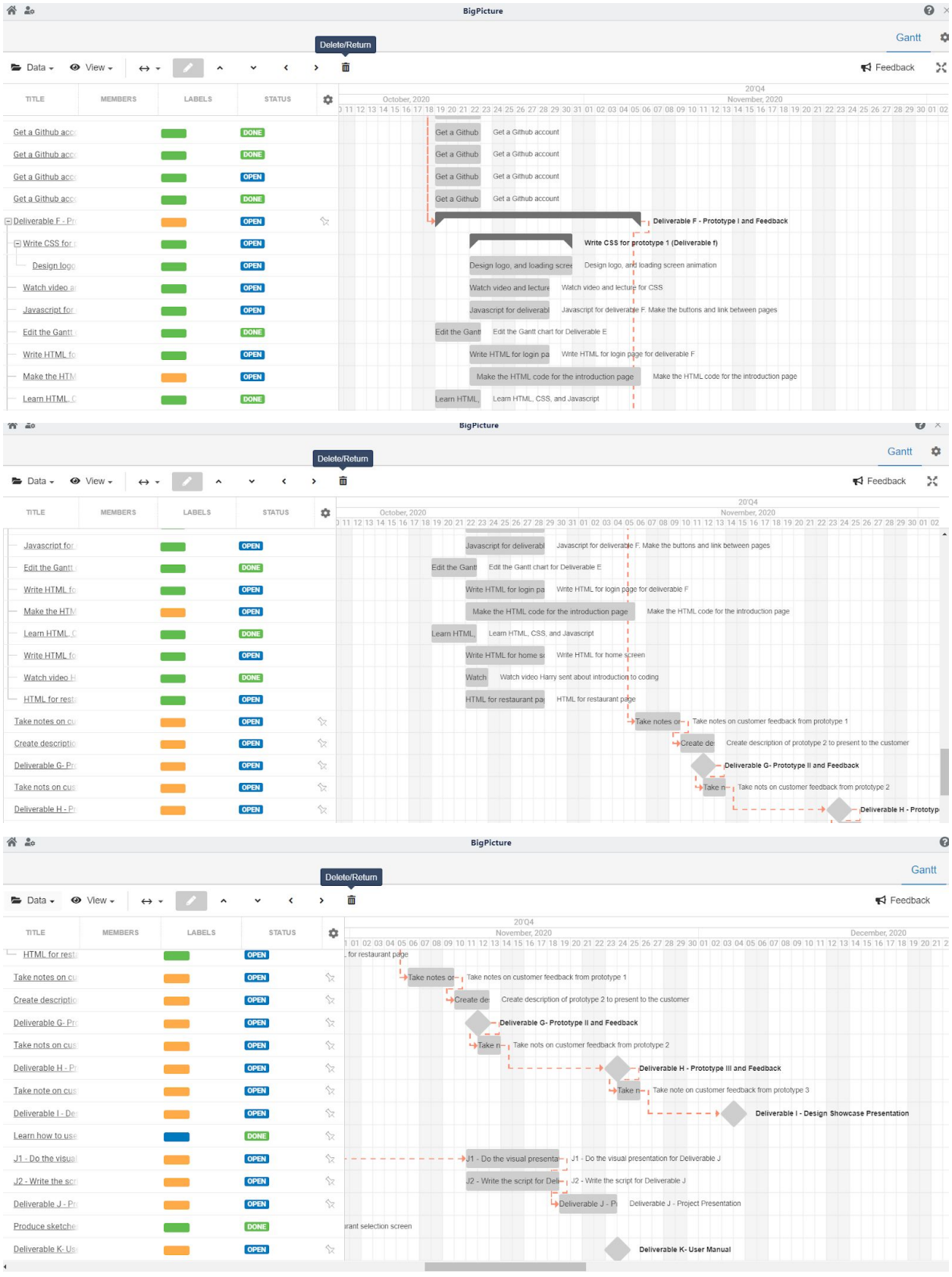
Please back away from drone

Appendix II -Trello






BigPicture
Gantt
Data
View
Feedback
TITLE
MEMBERS
LABELS
STATUS
October, 2020
November, 2020
Deliverable C- Design Criteria
Determine the priority of design criterion
Benchmark Skip the Dishes
Update trello tasks
Benchmark Uber Eats
Benchmark other apps, and learn about the programming languages they choose and why
Benchmark Doordash
Lead the brainstorm for deliverable D and determining subsystems of the design
Deliverable D - Conceptual Design
Add tasks for deliverable D
Update Gantt for deliverable D
Abstract for deliverable D
Update trello for deliverable D
Be the leader of intro
Formatting for delivrable D
Do the Main Body
Deliverable E - Plan & Cost Estimate
Add tasks for deliverable E
Produce a sketch of Register screen
Produce a sketch of the Tracking screen
Design a Failure Protocol
Produce sketches of QR codes
Produce a sketch of the Login screen
Create document for Deliverable E
Produce a sketch of Back away from the drone page
Produce a sketch of Search/ suggested screen
Produce a sketch of Food customization page
Find cost of programs
Delete/Return
Track Meeting Time Logs (Deliverable E)
Produce a sketch of the Cancel Order Page
Produce a sketch of Feedback after order is received page
Produce a sketch of the Map screen
Produce a sketch of Food selection / restaurant page
Hand in Deliverable E work
Produce sketches of Checkout screen
Update task for deliverable E
Estimate cost of project
Learn to code
Learn HTML, CSS, and Javascript
Create description of prototype 1 to present to customer
Get a Github account


BigPicture
Gantt
Delete/Return
Data
View
Feedback
TITLE
MEMBERS
LABELS
STATUS
October, 2020
November, 2020
December, 2020
Get a Github account
Deliverable F - Prototype I and Feedback
Write CSS for prototype 1 (Deliverable f)
Design logo, and loading screen animation
Watch video and lecture for CSS
Javascript for deliverable F. Make the buttons and link between pages
Edit the Gantt chart for Deliverable E
Write HTML for login page for deliverable F
Make the HTML code for the introduction page
Learn HTML, CSS, and Javascript
Write HTML for home screen
Watch video Harry sent about introduction to coding
HTML for restaurant page
Take notes on customer feedback from prototype 1
Create description of prototype 2 to present to the customer
Deliverable G- Prototype II and Feedback
Take nots on customer feedback from prototype 2
Deliverable H - Prototype III and Feedback
Take note on customer feedback from prototype 3
Deliverable I - Design Showcase Presentation
J1 - Do the visual presentation for Deliverable J
J2 - Write the script for Deliverable J
Deliverable J - Project Presentation
Deliverable K- User Manual