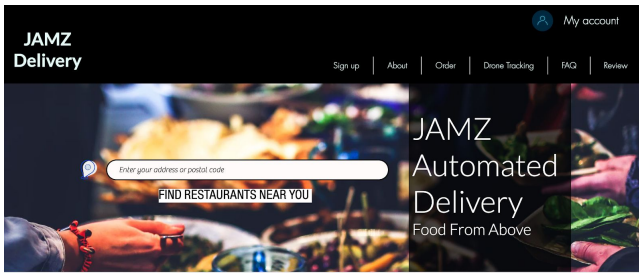
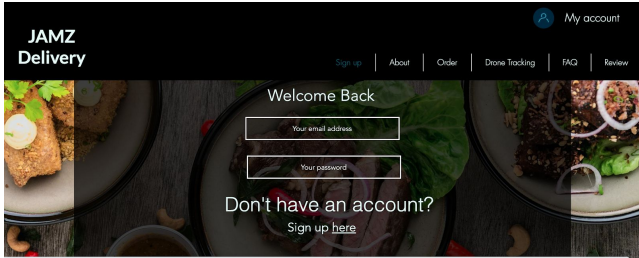
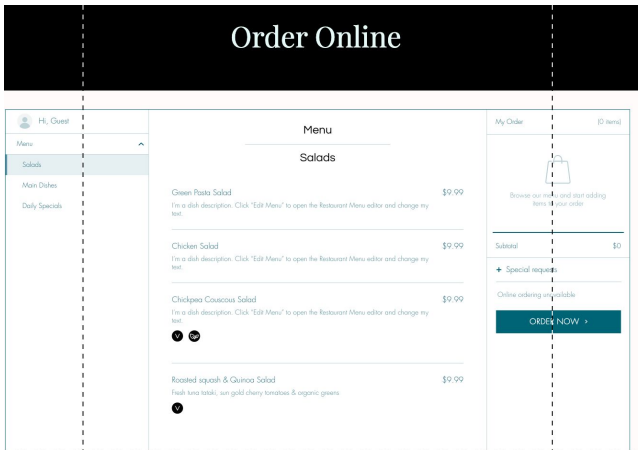
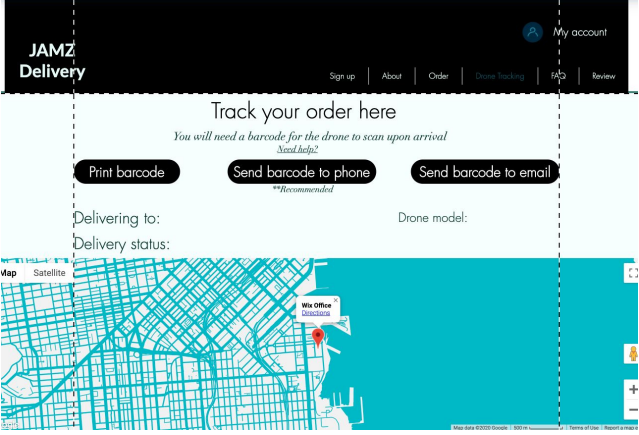
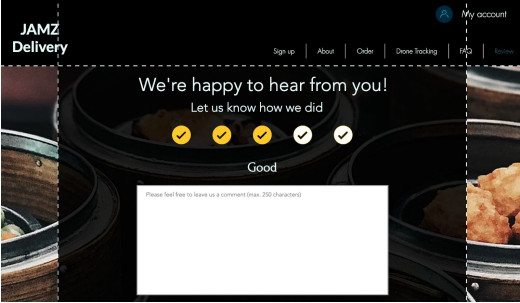
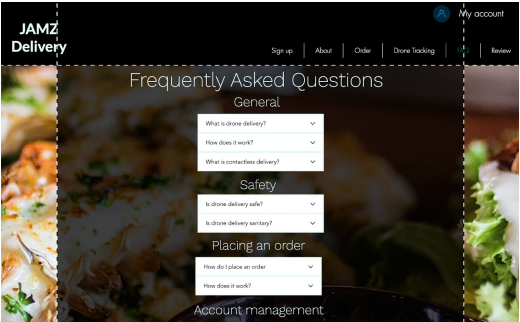
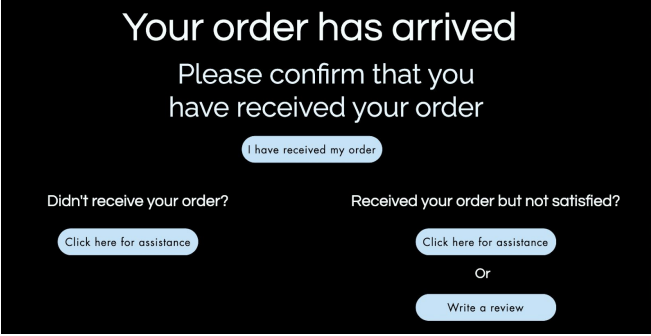



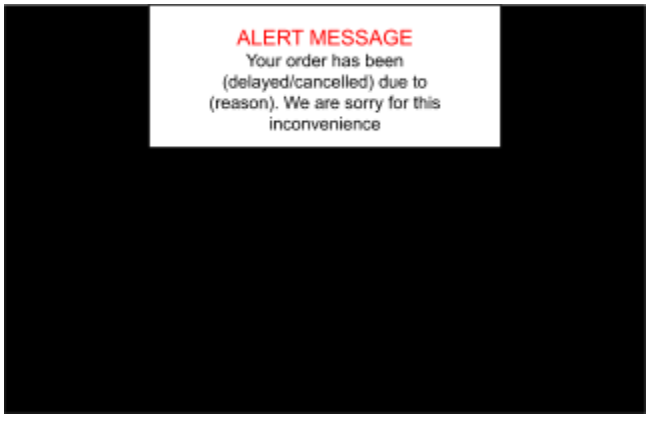
Deliverable E: Project Plan and Cost Estimate

Chosen Concept

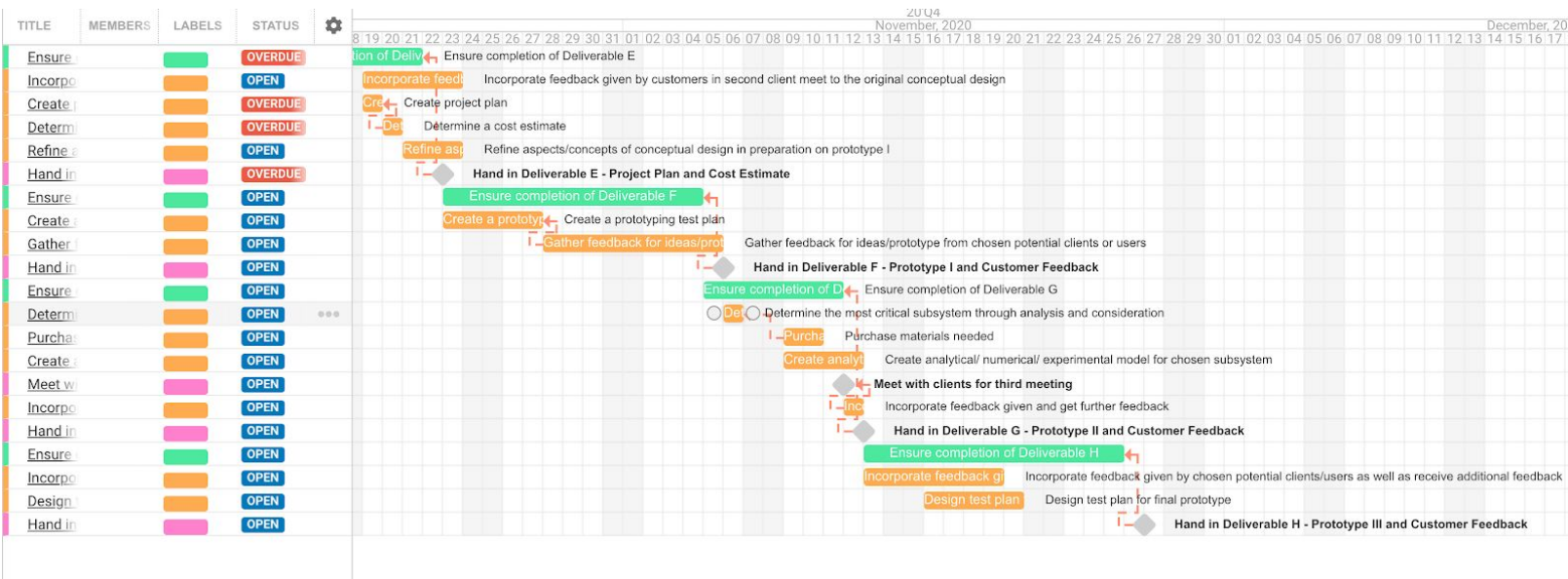
The team's chosen concept was a minimalistic website as a customer interface. The subsystems within the website are aspects such as the homepage, menu, login page, order page, order tracking, customer reviews and a FAQ section. Following the second client meeting, it was noted that an alert message feature, a confirmation button, and a confirmation page should be included. Furthermore, the team chose to focus on the client's need for the website to be sleek and easy to use, which is why the group settled on a dark theme with minimal, but sufficient, functional features. The prototypes will be made as attempts to recreate the conceptual design as much as possible.

Concept Design	Functionalities/requirements	Interchangeable aspects
 <p>The homepage features a dark theme with a navigation bar at the top containing links for Sign up, About, Order, Drone Tracking, FAQ, and Review. A search bar is prominently displayed with the placeholder text 'Enter your address or postal code' and a button labeled 'FIND RESTAURANTS NEAR YOU'. The main content area includes the JAMZ Automated Delivery logo and the tagline 'Food From Above'.</p>	<ul style="list-style-type: none"> - Homepage has a search bar that users can enter an address and find restaurants near them - Dark and minimalist theme - Navigation bar at the top with the different page names - Log in at the top right 	<ul style="list-style-type: none"> - Colour scheme - Layout - Images/background
 <p>The login page features a dark theme with a navigation bar at the top. A 'Welcome Back' message is displayed above input fields for 'Your email address' and 'Your password'. A link for 'Sign up here' is provided for new users. The background shows a collage of food images.</p>	<ul style="list-style-type: none"> - Clicking on the log in will direct user to log in page - At the bottom will give the option for new users to create a new account - Simple place to enter username and password 	<ul style="list-style-type: none"> - Colour scheme - Layout - Images/background
 <p>The 'Order Online' page features a dark theme with a navigation bar at the top. The main content area is divided into three sections: a left sidebar with a menu (Salads, Main Dishes, Daily Specials), a central menu area with a list of salad items and prices, and a right sidebar with a 'My Order' section showing a shopping cart icon, a subtotal of \$0, and an 'ORDER NOW' button.</p>	<ul style="list-style-type: none"> - Shopping cart can be opened when user selects a restaurant to order from - Restaurant menu categories, menu items, and cart are visibly divided - Shows the order total (cost included) - Clear checkout button 	<ul style="list-style-type: none"> - Colour scheme - Layout

	<ul style="list-style-type: none"> - Map that can track the status of the order after an order is placed - Easily readable for users - Status updates are visible - Three choices for users to receive their barcode for the drone to scan 	<ul style="list-style-type: none"> - Map style - Drone model display (is not necessary but could be helpful) - Layout - Colour scheme
	<ul style="list-style-type: none"> - Review page is shown after a user has received their order - 1 out of 5 rating - Text box for users to enter comments/feedback with 250 character limit 	<ul style="list-style-type: none"> - Colour scheme - Rating style/display - Text limit - Layout
	<ul style="list-style-type: none"> - FAQ section has readily available questions - When question is clicked, answer will be shown in a dropdown menu format 	<ul style="list-style-type: none"> - Includes section where users can enter their own question or contact the business - Layout - Colour scheme - Answer/question display format
	<ul style="list-style-type: none"> - Confirmation page pops up when drone has arrived - Gives a confirmation button, a button if the user has not received the order, and a button if the user is not satisfied (ex. Order is wrong) - Signals to drone when to leave 	<ul style="list-style-type: none"> - Layout - Button types - Colour scheme

	<ul style="list-style-type: none"> - Page that pops up when a user has confirmed their order - Indicates that they may exit 	<ul style="list-style-type: none"> - Layout - Colour scheme - Text
	<ul style="list-style-type: none"> - Alert message that pops up on the screen - Indicates a delay or cancellation with reasoning - Should include red to emphasize importance 	<ul style="list-style-type: none"> - Layout - Text

Gantt diagram of project plan for prototype I, II, and III



Task	Task owner
Ensure completion of Deliverable E	Daud

Incorporate feedback given by customers in second client meet to the original conceptual design	Parmveer
Create project plan	Daud
Determine a cost estimate	Don
Refine aspects/concepts of conceptual design in preparation on prototype I	Bonnie
Hand in Deliverable E - Project Plan and Cost Estimate (milestone)	Bonnie
Ensure completion of Deliverable F	Parmveer
Create a prototyping test plan	Parmveer
Gather feedback for ideas/prototype from chosen potential clients or users	Don
Hand in Deliverable F - Prototype I and Customer Feedback (milestone)	Bonnie
Ensure completion of Deliverable G	Don
Determine the most critical subsystem through analysis and consideration	Daud
Purchase materials needed	Daud
Create analytical/ numerical/ experimental model for chosen subsystem	Parmveer
Meet with clients for third meeting (milestone)	Bonnie
Incorporate feedback given by chosen potential clients/users as well as receive additional feedback	Daud
Hand in Deliverable G - Prototype II and Customer Feedback (milestone)	Bonnie
Ensure completion of Deliverable H	Bonnie
Design test plan for final prototype	Parmveer
Incorporate feedback given and get further feedback	Don
Hand in Deliverable H - Prototype III and Customer Feedback (milestone)	Bonnie

Project Risks

In creating a project plan with task durations, many risks can appear. One general risk is that a team member may become overwhelmed with their given task. In this case, it is best to have everyone else be ready for this situation

and either pick someone as quickly as possible to finish the task or to distribute the task to ease the workload on the rest of the members. It is also important for members to specify when they are overwhelmed so that the other members may pick up on their task as soon as possible. In the project plan, there are tasks that are dependent on each other. For example, some aspects on the website cannot be further adjusted without customer or user feedback. In the case that a customer or a user is testing out the user interface and does not contact the team with their feedback, the team shall only use the feedback given by the other individuals who have tested the product. The members may use the late feedback in the subsequent prototype. The team may also perform an analytical or experimental analysis and provide feedback that is as objective and unbiased as possible in the case that they absolutely need additional feedback from potential clients, but do not receive it. Another risk can occur when making purchases. It can take time for an order to go through, or the order can cause problems (such as charging the wrong amount) which needs to be accounted for in the project plan. There can also be a case where a member requires assistance from the vendor, in this case, the task is dependent on how long it takes for the vendor to respond. It is suggested that team members make their purchases early on to avoid these types of situations. It is also suggested that members do additional research to get a better idea about how to make their desired purchases as well as how long it may take for the order to go through. Another risk is the case in which a team member is taking a longer time than expected to finish a task, and other tasks are dependent on this task. In this case, members should continue with any other tasks that are not dependent on this task and be ready when the task is completed as the group will be working on a tighter schedule than anticipated. The members should also help the team member that is struggling to finish their task within the given time frame in order to expedite the process.

Cost estimate

Bill of Materials (BOM)				
Item #	Item Description	Quantity	Unit Price	Amount
1	Google Maps API Autocomplete	100 (test runs)	\$17.00/1000 requests	\$1.70
2	Google Maps API Dynamic Maps	100 (test runs)	\$7.00/1000 elements	\$0.70
3	Custom website domain	2 (months)	\$9.99/month	\$20.00
4	Website hosting	2 (months)	\$13.99/month	\$28.00
Total				\$50.40 CAD