



Deliverable H: Prototype III and Customer Feedback

GNG 1103

Team A7

<u>Student number</u>	<u>Student</u>
300163962	Cole Gavin
300188016	Clarence Hau
300115656	Elise Ljubic
300126254	Jiachen Wang
300184754	Harry Xu

Date Submitted: November 26, 2020

Professor: David Knox

Project Manager/TA: Paul Miller

Faculty of Engineering
2020

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Introduction

The purpose of this final prototype was to implement the feedback received from prototype two in order to further increase the ease of use, aesthetics and functionality. Similarly with previous prototypes, users were provided with a survey to provide feedback on their experience which measured both ease of use and overall design. This document outlines the prototyping objectives, describes the new pages that were created, describes the testing plan, summarizes user feedback, and lastly describes our future plans.

Prototyping Objectives

Functionality:

- Changing colour scheme for dark mode
- Implemented a working google maps API so that users can pin their location

Pages to Add:

- Functional QR code generator
- The map of the checkout page is not yet full functional as it is not connected to the back end
- Add a working ratings system
- Make the buttons leading to print, phone, and email work

Description of pages included in Prototype III:

Home Page: This page has a short paragraph that describes the purpose of the service and below, it tells the user to input their location in order to begin the food delivery process. The page now has a map that shows the location you input. Furthermore, a dark mode button was included on the home page, however the function only works on the main page at the moment.

Browse Restaurants: A few restaurants are displayed to demonstrate functionality of the site. The star rating system does not yet work, and the information blurbs next to restaurants to describe the restaurant. This is to help both the business and the user, since local restaurants may not be well known, so the user is able to read the description to see what they have and what they are known for.

Menu Page: After the user clicks on the restaurant icon they will be placed in the menu page for that restaurant. The menu page is broken up into different sub-menus, this helps improve the user experience since the user is able to find what they are looking for much easier. The user is able to add the amount of items they want onto the shopping cart.

Cart: Located in the top right of the page, once a user has added things to go they may click the icon to see what is in their cart.

Log in: Located at the top right of the page, there is a log in icon where a user may create an account or login.

Checkout: Has a message that requests the user to confirm their pick-up location and requests the user to ensure they have a clear surrounding for the drone to land. Below this, when order is complete, the website provides three options for the user to receive their barcode. As of yet these buttons are not functional. Lastly there is a button to click when order is received, and a button to click if the order is not received.

Order received: When the order has been received and the button has been clicked, a page opens that requests the users to stand five feet away from the drone and confirm when they are doing so.

No Order: This button brings the user to a page that lists possible errors as to why a user may not have received their order and prompts the user to contact the business for help.

About Us: Describes the business and why they were created. There are areas for the clients to input information about themselves.

Footer: Contains a box that has links to the About Us, FAQ and other pages. There are locations for clients to input their business information. As well, there is a box where businesses may send a message to JAMZ to express their interest in partnering with them.

Test Plan and Feedback

For the third and final prototype, the test plan was similar to the previous prototypes. We created a questionnaire and released it to various users by sending the link to it to discord groups and texting it to people. We closed the form after 25 responses in order to be able to actually analyze all the feedback received. As well, we performed some functional tests by updating the website with changes and then testing to see if they worked.

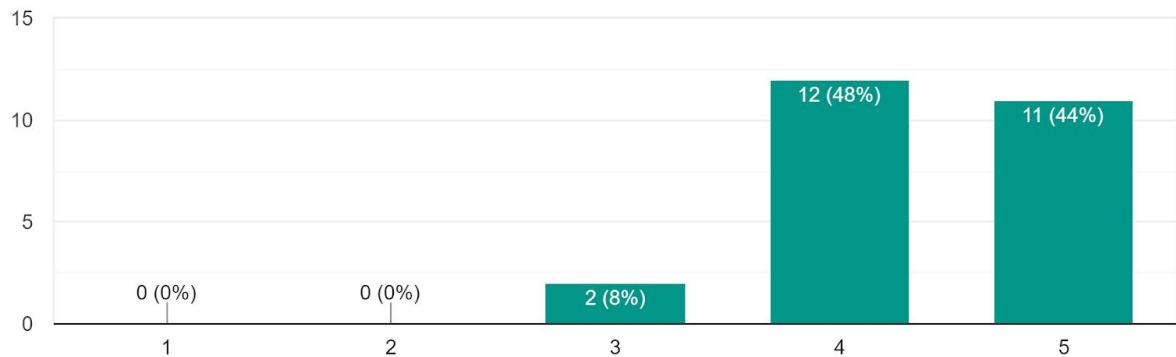
The link to the survey:

https://docs.google.com/forms/d/e/1FAIpQLSdDeL24QVJwsWWVAy0Eo0TfI_gOqCme8pHDYXCv0S8YAr0Z7Q/viewform?usp=sf_link

Questions and Responses:

How easy is it to use/navigate the website?

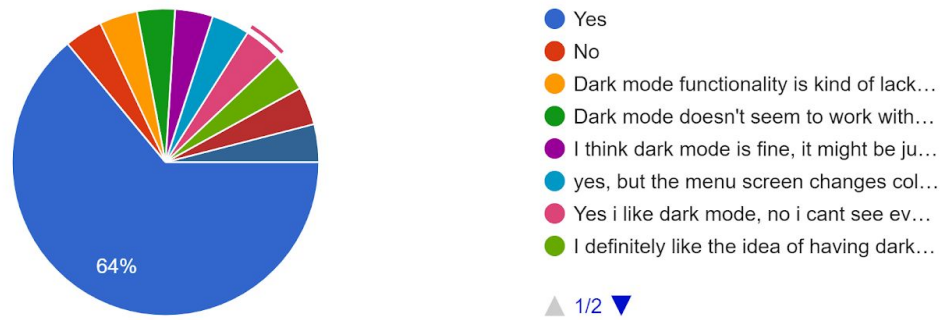
25 responses



1= very difficult 5=easy, Great love it!

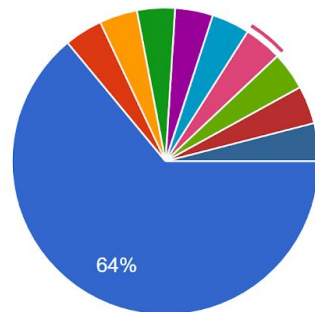
Do you like the option of having dark mode? Can you still see everything?

25 responses



Do you like the option of having dark mode? Can you still see everything?

25 responses

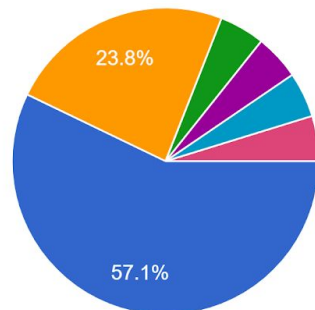


- Don't know where to activate it
- Nothing should turn white in dark mode, but the top bar does once you scroll down to the bottom. That's literal eye rape if you are in a dark environment

▲ 2/2 ▼

If you opened the website using your mobile device, was it alright to use?

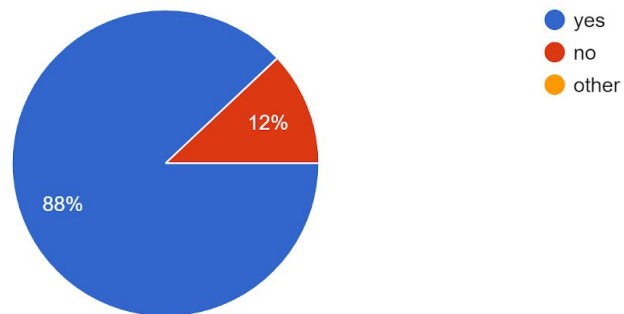
21 responses



- Yes
- No
- It was ok, not great
- It was easy to use, but the search box was always there. Maybe have it go up or become smaller when you scroll do...
- I couldn't use a mobile device at the moment
- Used my computer
- not mobile

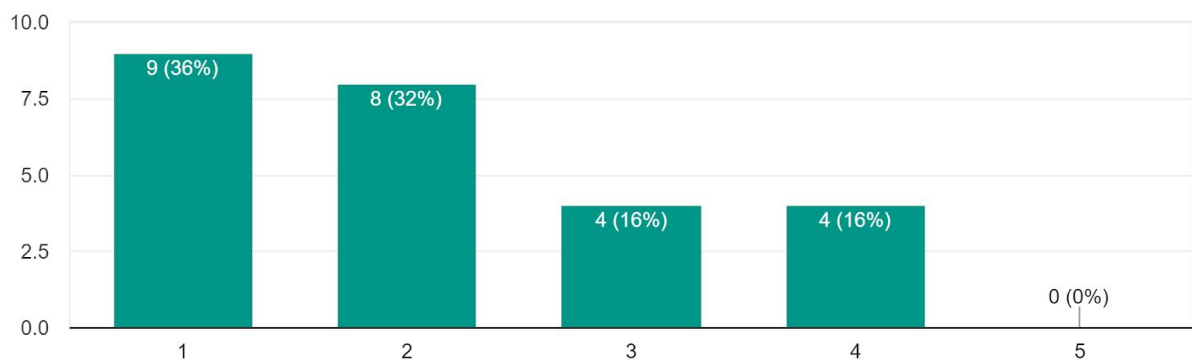
Is the colour scheme consistent throughout the site?

25 responses



Does the speed of switching between pages deter you from using the site?

25 responses

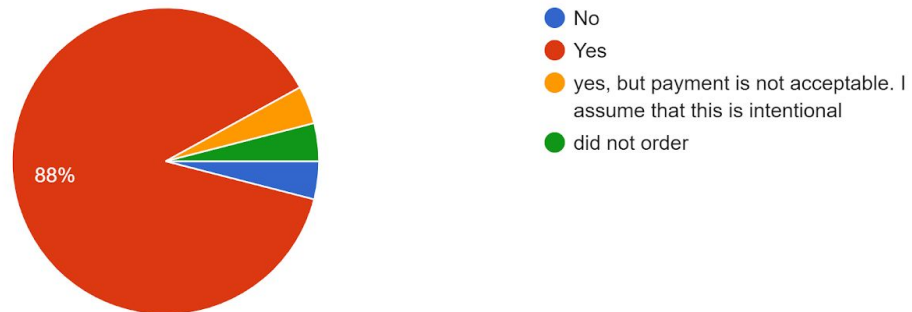


1= it doesn't affect my use

5=yes it is the worst

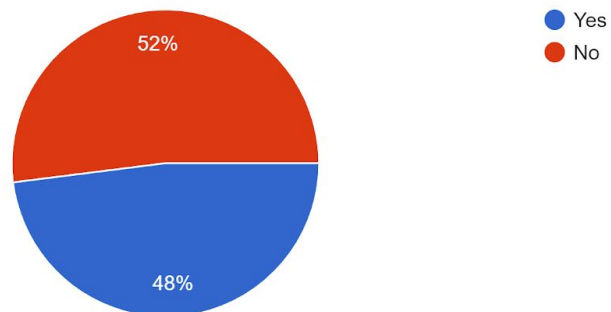
Is it easy to order food from the website?

25 responses



If your order went wrong, do you know what to do?

25 responses



Do you have any suggestion for how to improve the website?

13 responses

Increase the usability of the dark mode feature, enable it on the entire site not just on the "Enter your address page". Increase the speed between tab changes, after I get used to a site's layout I want to go to the next page I don't care about transitions.

If possible, make it change to dark mode according to the user's browser preferences. The font style could also be a little bit more professional, but overall the technical aspects of it are great.

Overall I think its great! , the colours give me subway vibes though. Nonetheless very easy to use, although I think the icons of the restaurants are kind of not that nice looking.

In the menu there are two sections that say to browse restaurants (I am using the website through my phone so that may be why) one of the sections actually lets you browse them but the other one sends you to the home page I think.

more consistency in darkmode, and a payment option

Don't have the restaurant search bar take up half the screen at all times on phone

Do you have any suggestion for how to improve the website?

13 responses

no

I had some trouble finding where I could see what to do when my order doesn't work. Maybe have something at checkout or when you are ordering so it's easy to find.

nope

Other than the things already mentioned, the only real thing I can recommend is that in dark mode, if you scroll down, the header will turn white. Probably something that was forgotten to change, so should be an easy fix.

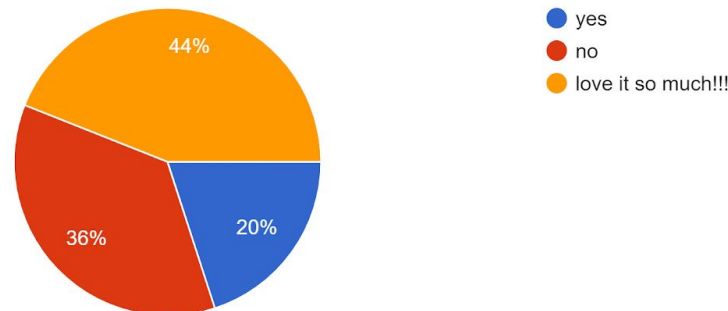
I'm not sure entering my address did anything even after I selected a radius.

At checkout only have one button and maybe remove the lock icon on it. Also nothing really happened when I inputted my location but I could've done it wrong

the arrow buttons in the mcdonald's menu look inconsistent compared to the rest of the UI, remove shadow pls

What do you think of the slogan, does it make it feel professional? (found below Jamz deliveries in header)

25 responses



Analysis of Feedback:

Most users found the website relatively easy to navigate, however only 44% selected the highest option for ease of use, so the feedback provided should help with making the website even more intuitive. In addition to this, most users appreciated having the dark mode option, but there are still some flaws. At this moment in time we only have dark mode available for one website page, however in the future, we will extend that to cover the whole website. As well, some users pointed out that the font was a little difficult to read in dark mode, and the task bar at the top remains white which defeats the purpose. Overall, there is a positive reaction to having dark mode available, but the function itself must still be worked on and improved upon.

For the users who attempted to open the website on their mobile device, they agreed that it was easy to use, but the format isn't great. We developed the website specifically for a web browser, and if we were to do more prototypes or more development, we would create a side project to develop the mobile site and make it user friendly.

For the most part, users agreed that the colour scheme is consistent throughout the site. The font colour is different on the home page, due to testing and developing the dark mode application, however the website colour scheme is easily customizable and the clients may change it to their satisfaction.

The free version of Wix creates a website that lags a bit. When switching between pages, and loading new things, the website appears to be a little choppy. In our survey, 68% of users stated that this did not bother them, however it is a deterrent to some. One possible way to solve this issue would be to upgrade to wix premium and see if that solves the problem.

92% of users surveyed agreed that it was easy to order food from the website. We received comments about how there is not payment acceptable, however, this can be added later through a third party provider. One aspect that was lacking was that approximately half the users did not know what to do when the order went wrong, so we moved the “no order” button to the checkout page just below the order arrived button.

Some notable suggestions were: Delete page transitions so that the website runs more quickly. Improve the ease of use of finding the “order gone wrong” option. We implemented this change by moving the button to a more intuitive location. There is an issue on the main page when inputting the location, there is a pinned location already on the map and users must zoom out to find where they pinned their location. We were unable to fix this issue at this point in time, but that would be tackled if there were another prototype. The main pieces of feedback, which we did not implement in this prototype was improve the dark mode function and add a payment option.

Lastly, there were various responses to the slogan which 64% of users either liking or loving it. We decided to keep it and let the clients decide if they enjoy it or not.

Functionality:

Time and analyze functional requirements such as how smooth is the transition between pages?
How long does it take the page to load after searching?

Test ID	What to test	When test will be done	Testing Method	Result
01	Allow user to pin their location on the map	Nov. 21, 2020	Try typing in location in the input box to add pin to the map	Map shows the location put in the box; live location shows properly
02	Live tracking of order working properly (API)	Nov. 21, 2020	Attempted to input location into the address page.	Live tracking working properly
03	Allow confirm order and receive order	Nov. 26, 2020	Try click on the confirm & receive buttons	Confirm & receive buttons working properly

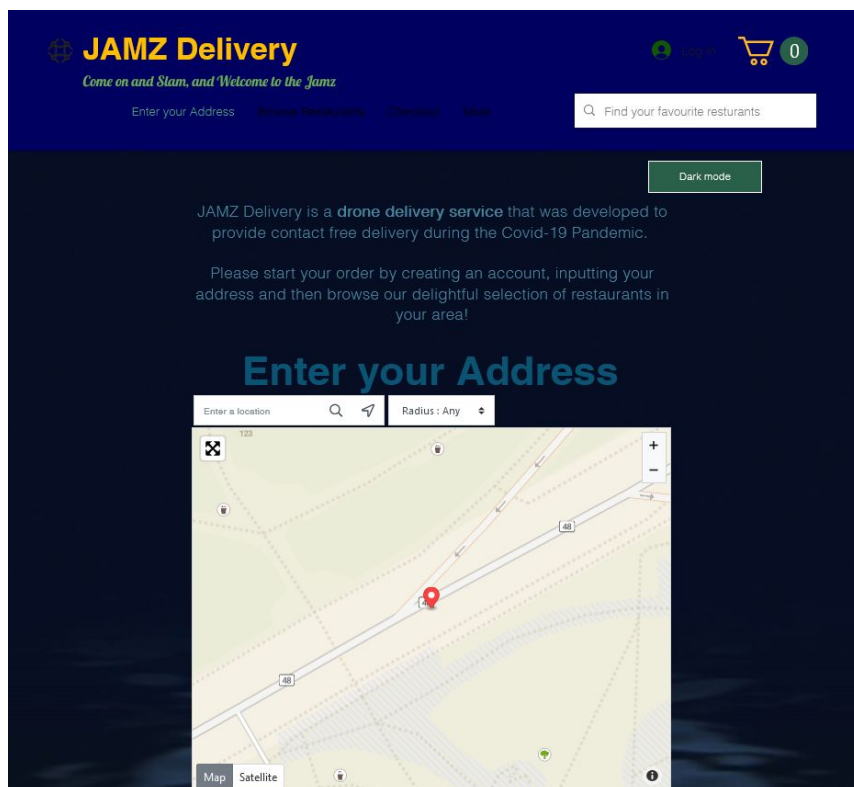
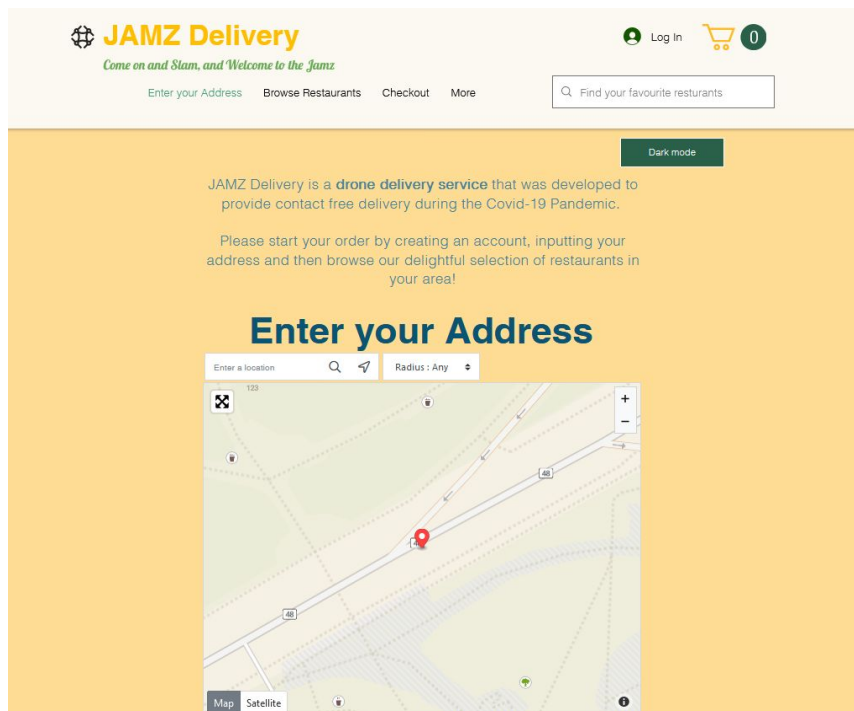
04	Rating system working properly	Nov. 26, 2020	Try editing and uploading customer feedbacks	When trying to give stars, the numbers of feedback did not show properly
05	Do error messages work?	Nov. 21, 2020	Click on “order not received”	Displays multiple error messages and tells you to contact the company
06	Dark mode button works properly	Nov. 23, 2020	Click on the “Dark mode” button twice to see if the colour of page could switch back and forth	Dark mode works properly on main page


Conclusion

In conclusion, this prototype is the final iteration of our project. After multiple phases of ideation and testing we have implemented most of the features we had planned in the initial stages of design. This document also serves to give the clients inspiration for potential future steps should they decide to continue where we left off. Some of the potential future steps include adding a functional QR code generator, connecting the order screen map to the back end, and fixing the restaurant rating system.


Link to Website: <https://harryxu02.wixsite.com/mysite>

Appendix I






Come on and Slam, and Welcome to the Jamz

[Log In](#) 

[Enter your Address](#) [Browse Restaurants](#) [Checkout](#) [More](#)


Browse Restaurants

Click on the Logo to View the Menu!




Love it? Rate it

McDonald's is a fast food restaurant well known for their burgers and fries




Love it? Rate it

Pizza Pizza mainly sells pizza



Love it? Rate it

Wendy's is a fast food restaurant that sells burgers. Check out their frosties!



Love it? Rate it


Tim Hortons is a coffee chain that sells pastries, bagels, sandwiches and wraps

Before Confirming Your Order, Please Confirm Your Pick-Up Location


Location

Please make sure that your pickup location has no wires or branches directly above it.

As well, when the drone is landing and taking off, please stand at least **5 feet** away from it to ensure your safety.



Order Complete - Receive Barcode



The drone needs to scan this code in order for you to receive your order. There are three options for receiving your code

[Send by Email](#) [Print Code](#) [Show on Screen](#)

Order Received

**If you did not receive your
order click here**

No Order

Order Received

In order for the drone to take off safely, you
need to be standing at least **5 feet** away.

Please press the button to confirm that you are
5 feet away from the drone, and there are no
wires or branches above the drone.

I am 5 feet away from drone

Errors

Some possible errors that may have occurred are:

- Drone hit a bird
- Poor weather conditions so drone can't fly
- Drone broke down
- Drone was stolen
- The restaurant is out of that food

If you haven't received your order, please click the "Here" button to contact us.

Here

Contact Us

Please give us feedback on how to improve our service!

Have questions? Send us an email.

Something went wrong with your order? Contact us!

CONTACT

Tel: 123-456-7890
Email: info@mysite.com

ADDRESS

1234 jamz deliveries lane

OPENING HOURS

Mon - Fri: 7am - 10pm
Saturday: 8am - 10pm
Sunday: 8am - 11pm

First Name *

Last Name *

Email *

Subject

Type your message here... *

Submit

About Our Business



Our business, JAMZ delivery was created to help provide contact free delivery. Covid-19 has introduced the need for contactless delivery and so we decided to design a solution. We are a group of students studying at the University of Ottawa and we joined a competition to find a solution for food delivery. And so JAMZ came to be.

Our Team



Mohammad Abu-Shabban



Amro Elsayed



Zainab Badawy



Jacob Steele



Logan Rodie



Munir Aljawahari



Piers Hancock



Jonathan Fan



Daniel Krohn-Anthony

Frequently Asked Questions

FAQ



What happens if there is bad weather



The drone is scanning a barcode, does that mean it is filming me?



I am worried about the drone hitting trees, birds, wires



What happens if I do not receive my order?



Sign Up

Already a member? [Log In](#)



Sign up with Facebook



Sign up with Google

or

Sign up with email

Trello

