ITI 200 Introduction to Cloud Computing

[Window Dash]

Team Members

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1. Problem

Doordash involves the usage of a driver, these drivers may not always be available, and are rather expensive as a car isn't the most gas efficient vehicle to transfer packages. They may also not properly complete the delivery. Due to all of these complications, as well as it being more expensive and not very energy efficient, we decided to upgrade the service and compete with it.

2. Solution

- Instead of using cars and drivers to transport the food, we decided to use drones. Drones solve all of the problems listed above, they are always available and never take sick days. They are cheaper to send across the city, they won't get in car crashes or eat the food on the way, and are energy efficient.

3. Presentation Video

- https://youtu.be/Vxa3K0WoJmY

4. Lessons Learned

Assigning a scope to the project will contain it to a certain amount of webpages, and make it much more manageable. Alongside this, creating a website map allows you to plan that out and tackle the project a lot more organized.

5. Issues/Bugs Known

- There is a small issue where the server, when first loaded, reports $NaN to the website and errors. By typing https://localhost:3000/user/usertotal/0 we are able to simply give the website a number and continue normally. We have a semi bugfix hard coded.
- Some buttons go to an error webpage, just not enough time, as well as order an infinite amount of food with them.

6. Future Versions

Our future plans for the project are to have drones that are capable of reading a map and plotting multiple deliveries on a route, and to have an algorithm that determines price by distance and maybe even with the size of the package since it may prevent the drone from routing other deliveries.

7. References

- https://getbootstrap.com/docs/4.1/getting-started/introduction/
- https://www.npmjs.com/package/cors