ENSE 400 Project Pitch

Freight Shield

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Background

- The trucking industry in Canada refers to companies which are engaged in the transport of goods via truck
- In 2018, the industry has generated almost 39.55 billion Canadian dollars from 63.7 million shipments
- Carriers (who does the job), dispatchers (the middle man) and Shippers (who request jobs) make up the whole trucking industry

Problems with current software

- Software like Loadlink, Dat123 etc. are only rendering information about current jobs available in the market
- Dispatchers take advantage of this information and commit to delivering shipments without knowing anything about the HOS (Hours of Service) left in a driver's logbook
- Since the BOL(Bill of Lading) has been signed, this can force drivers to violate the regulations, and drive more time than legally required

What we're going to create/iterate?

- We are going to create software that integrates both job board and the logbook.
- It's a way to connect
- Depending on logbook hours, only jobs that are possible for a driver to do will be sent
- Other, features like tracking, ETA, etc, will be developed later on

Northstar Customers

- Drivers
- Shippers

Why you want to "plan-do" what you're proposing?

- As engineering students, we uphold public safety above everything
- Current industry initiatives are failing to provide safety for drivers and public
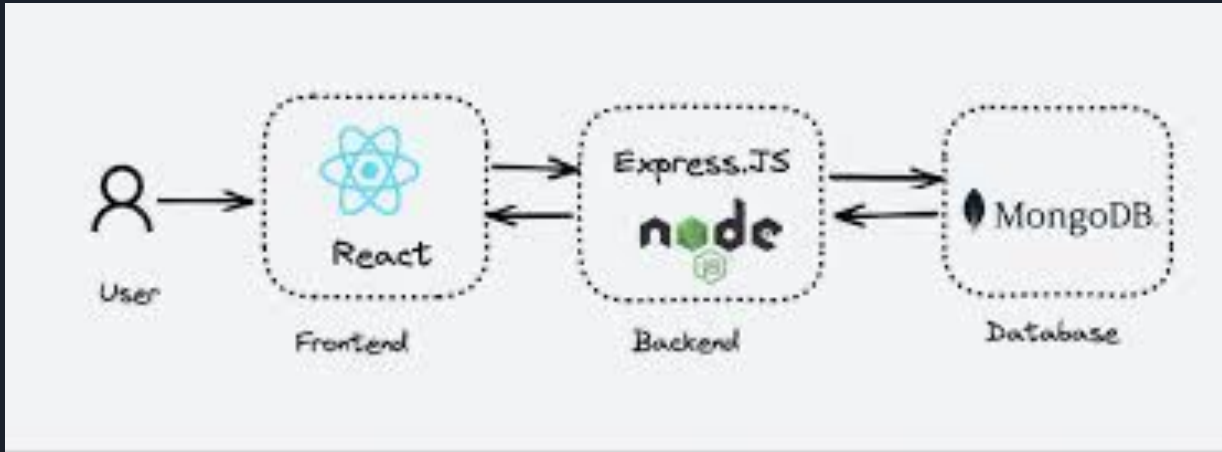- Enhancing the securement of shipments

How we're going to "study-act" upon it?

- Look at/talk similar, existing business to get a better idea of how their solutions work?
- Research existing load boards
- Talk to carriers to find out other potential issues, and how our solutions fit them
  - Able to set up a meeting with Carrier called "Light Speed"

Diving into Technologies

MERN stack

* Note : These might change as the project progresses.

Q/A, are there any questions?

Image References

- Mak. (2020, December 28). *Photo by mak on unsplash.* Brown cardboard boxes on white floor tiles photo – Free Shipment Image on Unsplash. https://unsplash.com/photos/8wy9mGgmGoU
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Thank you for listening