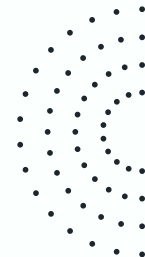


Freight Shield

**SSE CAPSTONE Project Day**



## Our Team



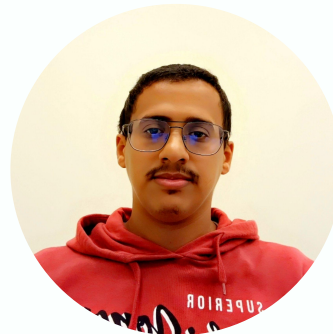
**Amandip  
Padda**

Software  
Architecture/  
Backend Dev



**Ramanpreet  
Singh**

Frontend  
Developer



**Mohammed  
Alharbi**

Mobile App  
Developer



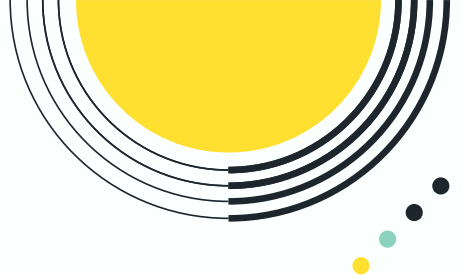
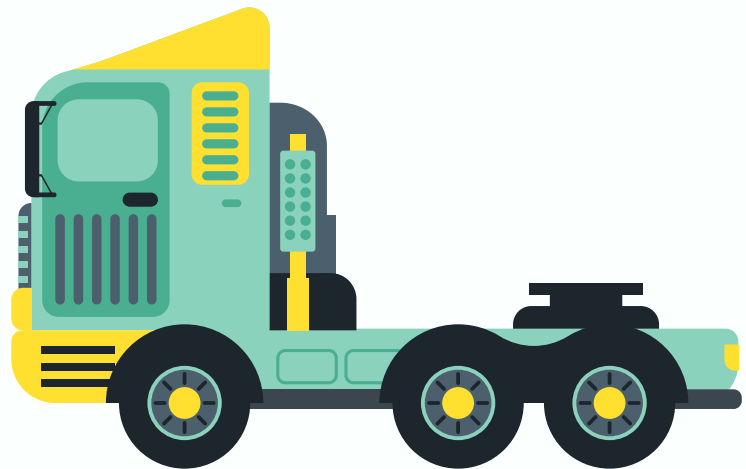
**Alok  
Paranjape**

Documentation  
and Planning



# 01

## Background





# Background

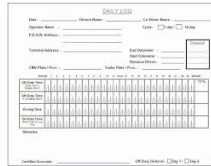
The trucking industry in Canada refers to companies which are engaged in the transport of goods via truck.

In 2018, the industry has generated almost 39.55 billion Canadian dollars from 63.7 million shipments.

## Important Terms



Load Board



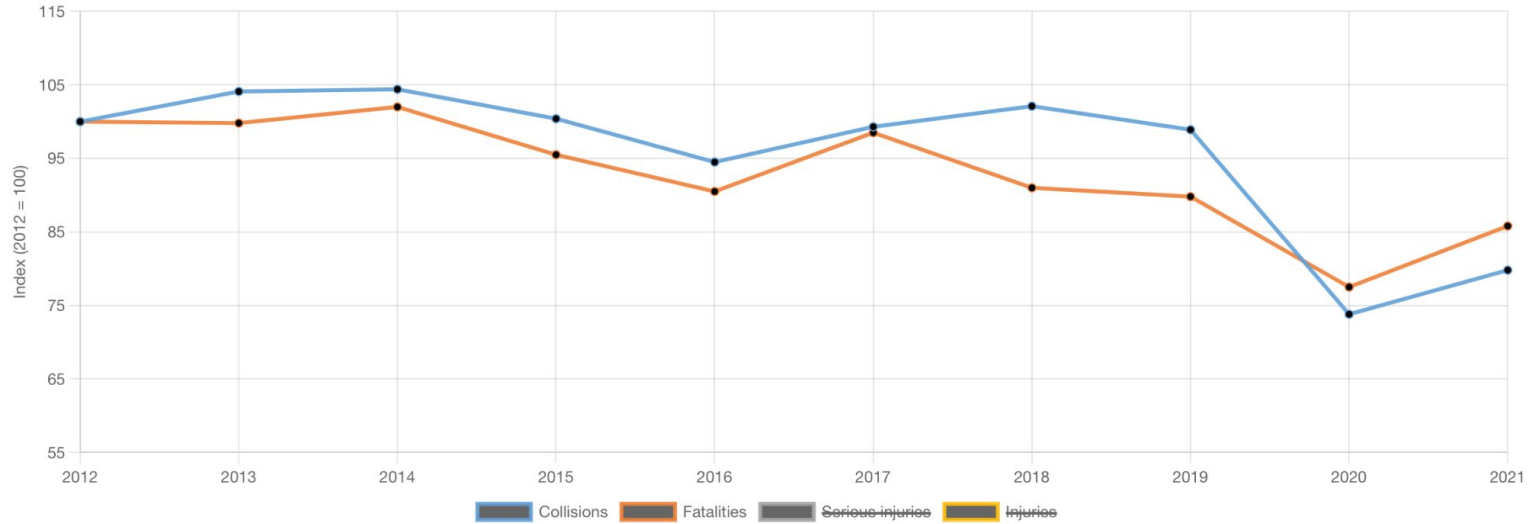
Paper  
Log Book



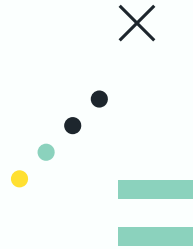
Electronic  
Log Book

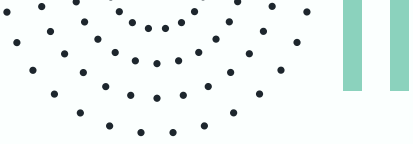


# Analysis



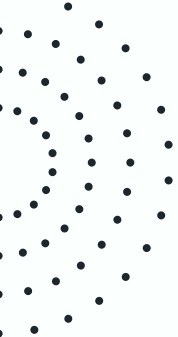
Commercial Vehicle Collision and fatalities - Transport Canada





## Commercial Video





# 02

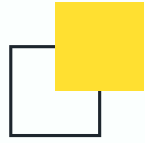
## Introduction





## Introduction

- A digital platform that connects shippers and carriers seamlessly.
- Web Platform + Mobile Application
- Sharing information between
  - Drivers
  - Carriers
  - Shippers

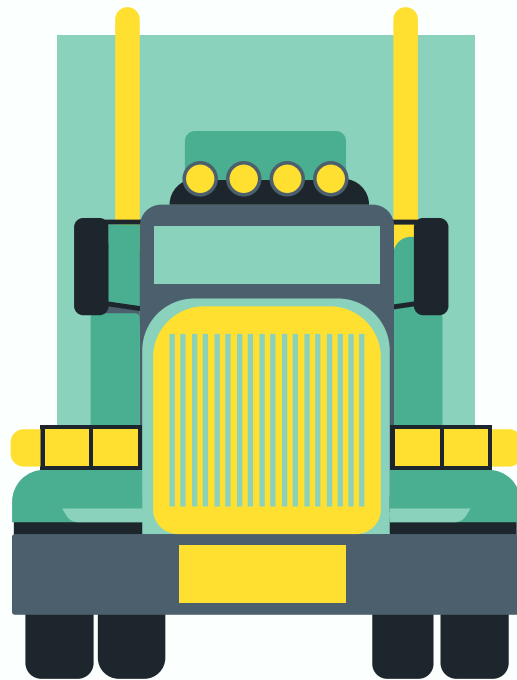






03

Users

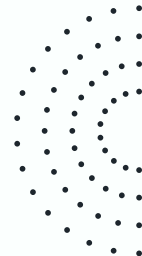
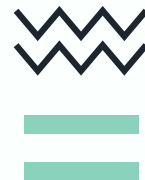




Shipper

One who post the load

Users





Shipper

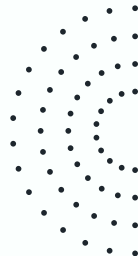
One who post the load

Users



Carrier

One who accepts the load





Shipper

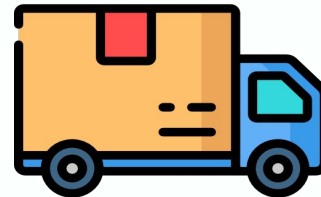
One who post the load

Users



Carrier

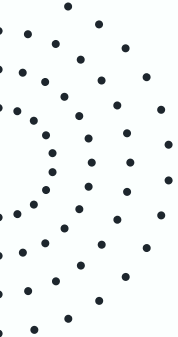
One who accepts the load



Driver

One who delivers the load





04

Why





Drivers are pushed to work more than regulated hours, for various reasons



## Why



Drivers are pushed to work more than regulated hours, for various reasons



Greed



## Why



Drivers are pushed to work more than regulated hours, for various reasons

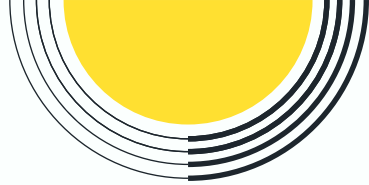


**Greed**



**Deadlines**





## Why



Drivers are pushed to work more than regulated hours, for various reasons



**Greed**



**Deadlines**



**Weather**



## Why



Drivers are pushed to work more than regulated hours, for various reasons



Greed



Deadlines



Weather

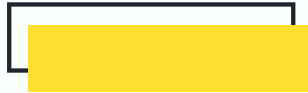


Hazards



## Problem

Drivers works more than regulated hours which is unsafe.



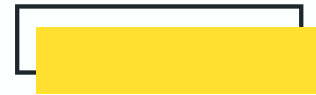


## Problem

Drivers works more than regulated hours which is unsafe.

## Solution

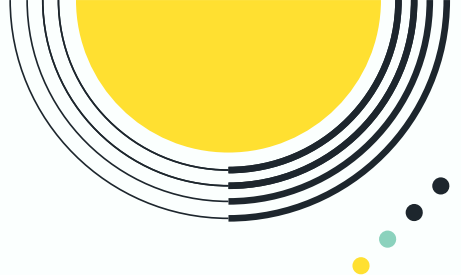
Implementing a system to track driver's hours and assign loads only to those with drivable hours.



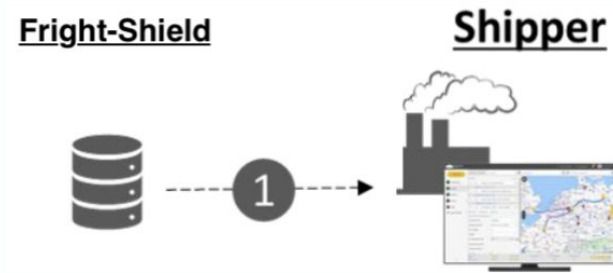


05

Process



# Our Process



1. Shipper creates transportation order.



# Our Process



1. Shipper creates transportation order.
2. Shipper post load to Marketplace for Carrier to accept.



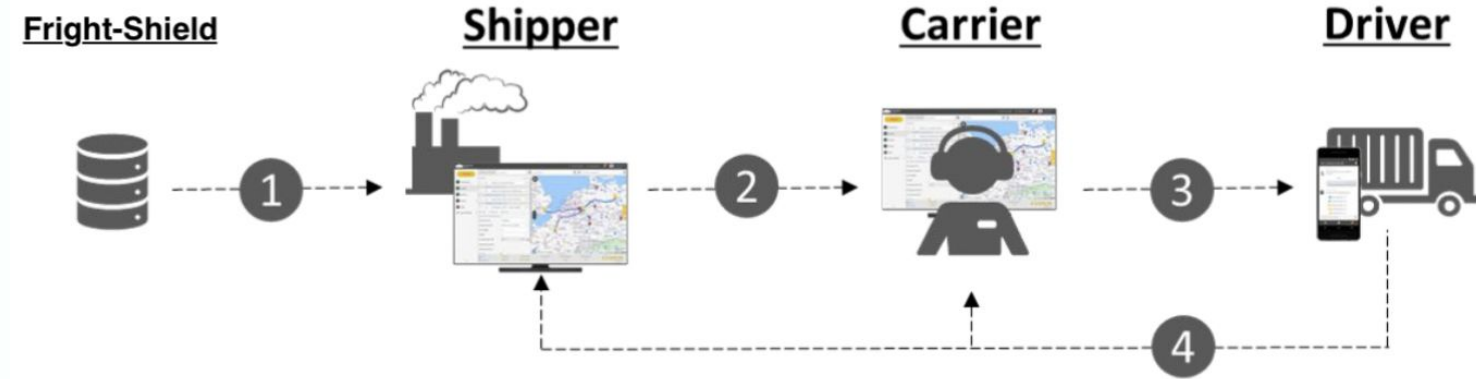
# Our Process



1. Shipper creates transportation order.
2. Shipper post load to Marketplace for Carrier to accept.
3. Carrier accepts the suitable load and assigns to one of the truck/driver.



# Our Process

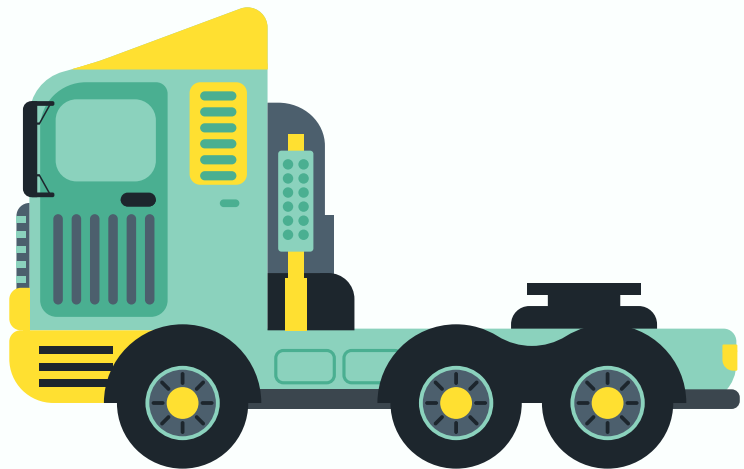


1. Shipper creates transportation order.
2. Shipper post load to Marketplace for Carrier to accept.
3. Carrier accepts the suitable load and assigns to one of the truck/driver.
4. Transfer of live data ( location, proof of deliver, status) back to carrier and shipper



# 06

## Customers Feedback.



# Customers Feedback



Worked with employees from:

- Light Speed
- 1005042 Alberta Ltd



# Budget

\$20~

- Domain name cost ~20\$ (possibly more) for the year
- No other costs



# What make us different ?

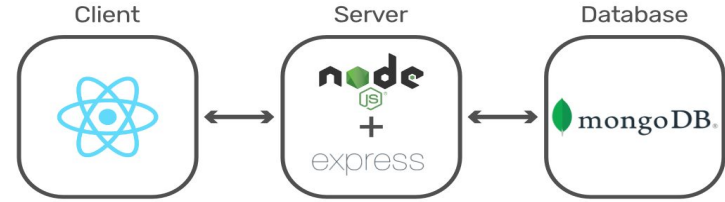


	Freight-Shield	123 LoadBoard	Motive	Dat Load Board	LoadLink
Log Book Restrictions	✓				
Compliance Handling	✓				✓
Marketplace	✓	✓	✓	✓	✓
Monitoring Equipments			✓		
Tracking	✓		✓	✓	



## Tech Used

Desktop Application

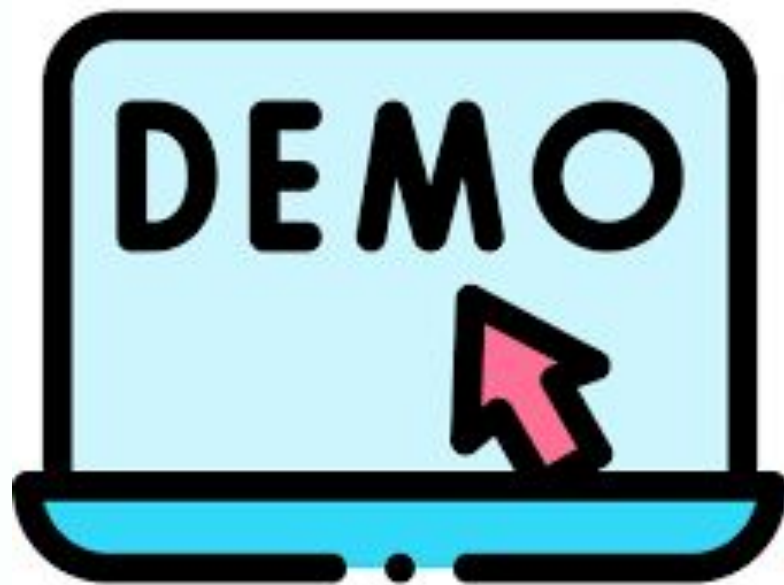


Mobile Application



Design Framework





# Video Demo







# Future Work



- **Integration of :**
  - Owner Operator
  - Brokers
- **Payment Setup.**



# Thanks Special To

Dr. Tim Maciag  
Dr. Yogesh Sharma

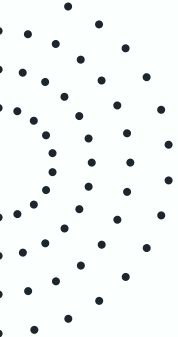
Tat - PD Trucking  
Anonymous -Light Speed  
Singh H Transport

... and other faculty members.

# References

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# Questions

