



# Transport Company Computerized Software **Presentation**

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Presenting the TelePort Software.....





# Team Members.

**Hardik Soni**

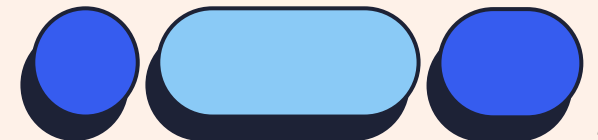
20CS30023

**Kushaz Sehgal**

20CS30030

**Shivam Raj**

20CS10056

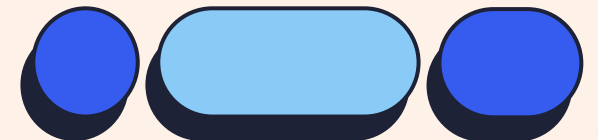




# Presenting...

## Teleport.....

Teleport provides an interactive and user-friendly process to manage, process and deliver consignments from a Sender to Customer within all our branch offices in India.



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Let's talk in brief  
about the Problem  
Description

## 02 Significance of our Project

## 03 Challenges we Faced

Then, we will talk  
about this.

## 04 Challenging Use Case

After that we will  
talk about this.

## 05 Some Improvements we thought of

We will also talk  
about this.

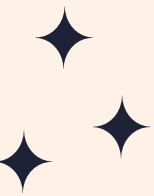
## 06 Live Demo of the Software

And we will talk  
about this last.

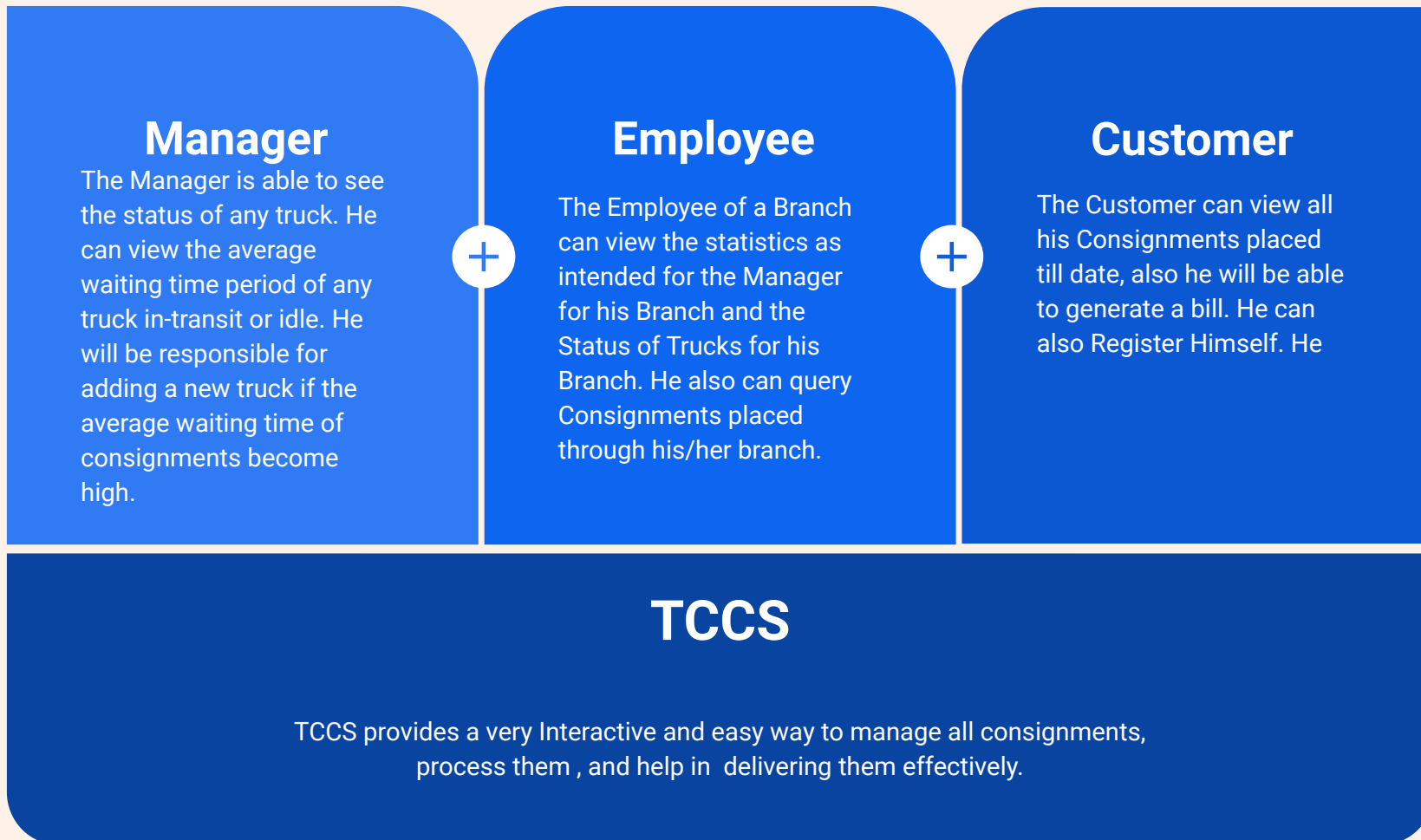




# The Problem Definition



**Teleport** provides an interactive and Customer-Friendly to Manage Delivery of all Requested Consignments. The Login Can be Done:- Employee, Customer and Manager.



# Languages and Resources Used!

01	<b>Python</b>	<ul style="list-style-type: none"><li>• Python was simple to learn and easy to write.</li><li>• Implementation of OOP's concepts are pretty convenient and helped in quick development of Software</li></ul>
02	<b>Flask</b>	<ul style="list-style-type: none"><li>• We chose Flask as it has a in-built development server</li><li>• It also supports a fast-debugger to help us fix the bugs quickly</li></ul>
03	<b>WTForms</b>	<ul style="list-style-type: none"><li>• WTForms supports a Flexible Form Validation</li><li>• It also supports Data Validation for Login</li></ul>
04	<b>flask_login</b>	<ul style="list-style-type: none"><li>• Flask-Login provides user session management for Flask</li><li>• Store the active user's ID in the session, and let you log them in and out easily.</li></ul>
05	<b>HTML, CSS, JS Bootstrap</b>	<ul style="list-style-type: none"><li>• HTML helps us design the basic structure behind the Webpage</li><li>• CSS helped us beautify the website.</li><li>• Bootstrap is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use</li></ul>



# Significance of Our Project....

## **User-friendly and easy-to-use User Interface**

The Web-Application provides a User-Friendly Experience to the User.

## **Easy management of cargo and employees by managers**

The Software's Database gets updated accordingly in real-time using WTForms and SQLAlchemy

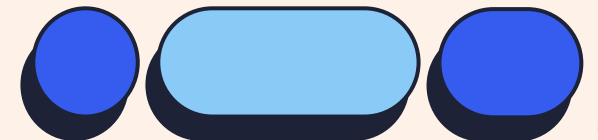
## **All staff details, Consignment details, transactions, and costs are stored in the database**

All the details of Manager, Customer, Employee, Transaction or Truck is Stored in the Database, and can be retrieved if needed.

## **Easily access all transactions for a particular customer.**

The Customer and the Manager can view the Previous Transactions of the Customer.

## **Easy access to invoices, customer-centric.**





# Challenges we Faced



- ❑ Interlinking of Webpages for Smooth functioning of the Website.
- ❑ Making the Web Application Responsive, i.e, how to website will behave if we changed the width and height of the window.
  - ❑ Considering all the Error-Handling Cases.
  - ❑ Learning SQLAlchemy and understanding it's management of Database.
  - ❑ Making an Aesthetic GUI fit for the Software.
  - ❑ Creating Miscellaneous test cases for Test Suite.
  - ❑ Constantly Needed Changes in Requirements of Project during development
- ❑ Inculcating Database information and python functionalities in HTML web pages was a tough task.



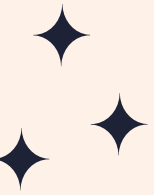


# Future Improvements...:-

- Displaying the Information and Statistics of the Bill/Transaction in a more detailed graphical Fashion, using Line Graphs, Pie Chart, Histogram etc.
- Improving the User-Interface of web application Teleport.
- Facility of Online Payments for Ordering Consignments.
- Employees can update their profiles details on their own.
- Host the database through AWS
- Add an API to connect to Mobile by Scanning a Bar-Code.
- Create Server roles in MySQL
- Matching Branch ID's with ZipCodes.
- Additional bug fixes and improvements.



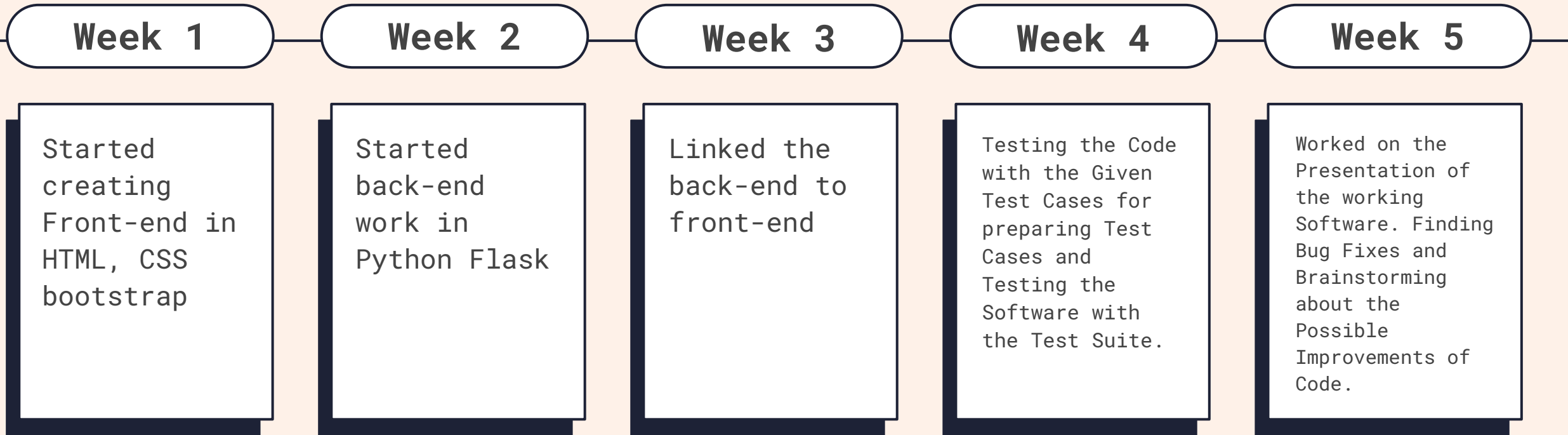
# Challenging Use Case



- ❑ If the truck is not Present in the branch initially when the consignment order is placed but added afterwards the consignments should still be delivered.
- ❑ Displaying the relevant charts for the Consignments and branches as asked in Problem Statement.



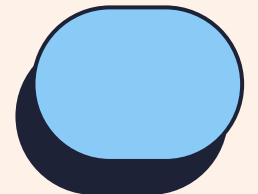
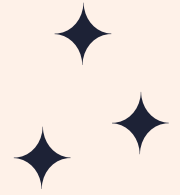
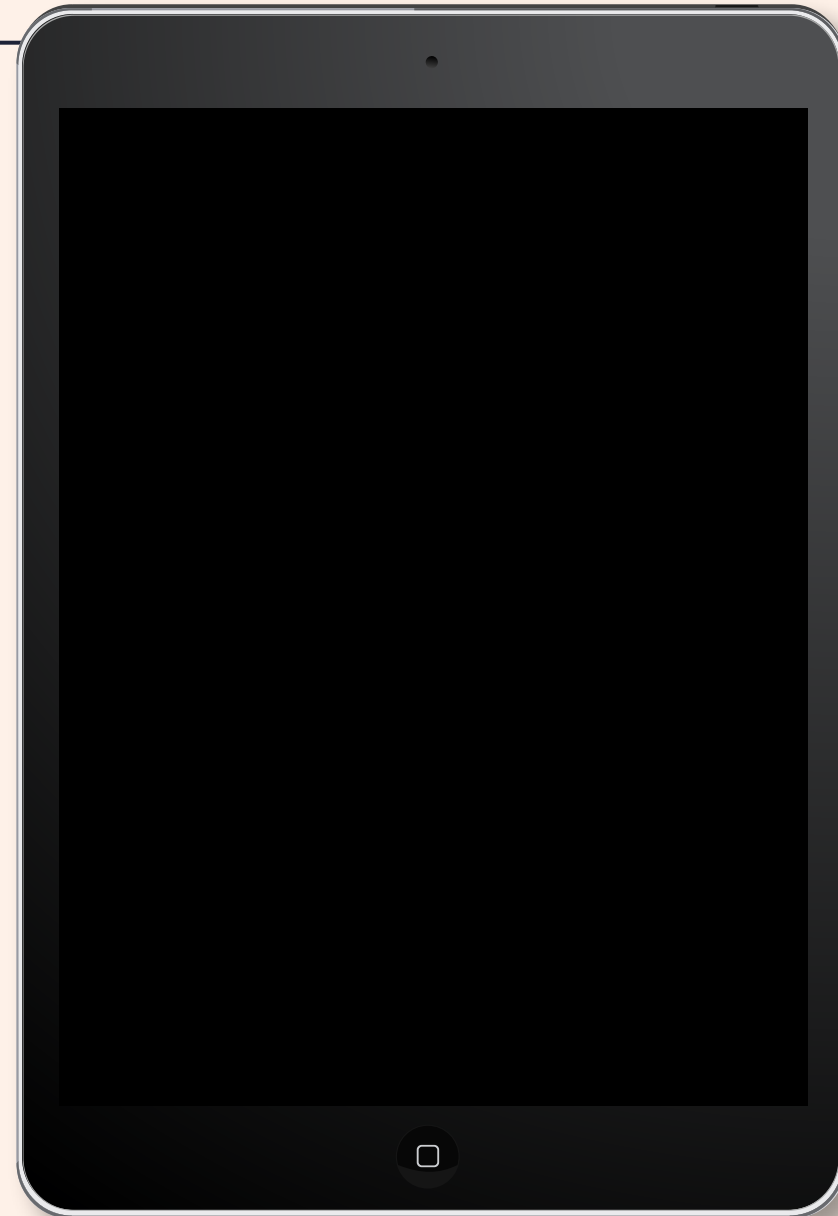
# Timeline..





# Presenting a website?

Presenting our website,  
Let's delve deeper into its  
functioning.





# Thank you!

Do you have any questions?

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