

Web Development Project

(2021-22)

Mini Project – II Synopsis



Department of Computer Science Engineering & Application

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Submitted to:

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Acknowledgement

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project - II (web development) undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. We owe special debt of gratitude to Mr. Abhishek Kr. Tiwari, Technical Trainer Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance has been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies. We also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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Drop Ship

Introduction:

Drop Ship is a Web Development application that offer end to end delivery system between vendor and customer. Connect with multiple different vendors, get discounted shipping labels, track parcels, and much more with just one integration. You can use your own accounts or take advantage of our discounted rates. Using Drop Ship makes it easy to deal with multiple carrier integrations, rate shopping, tracking and other parts of the shipping workflow. We provide the API and dashboard for all your shipping needs.

Courier services play a major role in the life of people and businesses all over the world. In fact, for many businesses, courier services serve as the only point of human interaction with its clients.

Courier Management System is the simplest solution for Courier & Tracking Business. This Courier Management System project will have different modules. The login section will have login facility for the admin who will operate this system and online tracking system of consignment and shipping detail for domestic shipping. While taking orders from its customers, it will take all the details of its customers who is placing the orders and all the details for the recipient such as its address, name, mobile number.

Objective:

People often state that they try to choose professional courier services that are the cheapest no matter what, but in general, people want to get the best quality and service for the amount that they pay, even if means spending more. Delivery is an important part of a purchase, so it's definitely something which any commercial establishment needs to pay attention to.

1) Reliability: The best courier service is always reliable in terms of getting your items safely delivered on time. There is nothing more frustrating for a business or a customer than having something important they expect to show up late.

2) Speed: Fast delivery matters the most. Customers trust courier services that timely delivers their parcels for smooth functioning of their businesses. Customers opt for courier companies that have daily, weekly or monthly routine deliveries that suit their needs.

3) Pricing: The best courier service understands good value for your business. Distribution of prices based on domestic and international deliveries is usually the best pricing option, since this helps to create transparency and an opportunity for customers to compare between their choices. Although, in the case of commercial couriers, sometimes asking for package or a custom deal is the quickest way to seal a value-based contract.

4) Communication: Maintaining contact with your customers in terms of delivery updates through various modes of communication like SMS, email and calls will help you build a long-lasting relationship with them.

5) Patience: Politeness in dealing with customers requires a smiling face and a positive attitude. These little things go a long way toward winning them over.

Implementation Of Activities:

The implementation of the activities can be separated into five major parts:

1. Customer Sign-up/sign-in
2. Admin Dashboard
3. Payment Activity
4. Track courier
5. Create courier

Working Methodology:

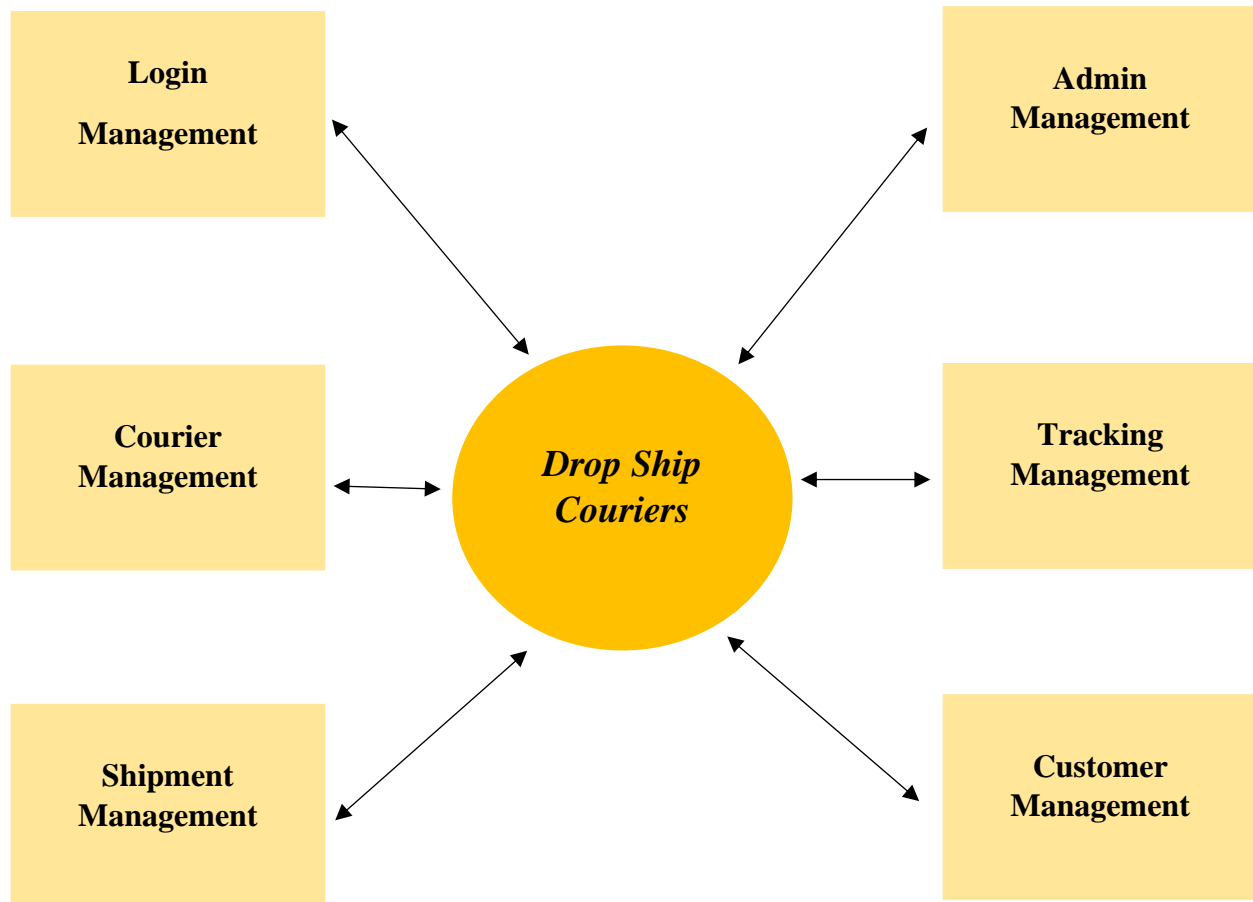
- The purpose to make this project is to provide a platform where common people and vendor sign-up and assign their courier to us and our delivery company delivered that package at right time.
- For sign-in and sign-up we have used Email password authentication.
- We have use google firebase phone authentication.
- Stripe payment API is used for payment purpose.
- Courier delivers packages to customers at home/work/offices
- Courier drives to designated area of distribution

Functional Specification:

There are some functionalities we are going to implement that will enhance the performance of Drop Ship

- 1) **User Registration:** User must be able to register for the application through a valid E-mail. While using the application, user must be prompted to register their phone number with OTP verification.
- 2) **Order Booking:** User can come to the dashboard and choose the desired product with the desired specification and provide the pickup or delivery address which is then picked up by the courier and dispersed to customers.
- 3) **Payment:** After finalize the product user come to payment dashboard and fill their credentials for the secure payment generation.
- 4) **Track Order:** Package tracker is an all-in-one package tracking tool for all your shipments. We will remember all of your tracking numbers and pull delivery status information from dozens of carrier with extra features not offered on the carriers' sites.
- 5) **Delivery:** After doing all these exercises the product will be duly delivered before the time deadline.

Drop Ship Network:



Team contribution:

- In this project we are working as a team of 4 person Abhishek Jadon, Jay Thakur, Dushyant Verma, and Aryan Gupta.
- There are 4 Modules in this we have divided one to each person by choice based.
- Customer and Courier section UI interface will be handled by Abhishek Jadon and Dushyant Verma.
- Aryan Gupta and Jay Thakur will handle backend functionality.
- This will take probably one and half month to complete this project with full analysis. Department of Computer Science & Engineering.

Software Requirements:

- **Operating System:** Windows
- **User Interface:** Html, CSS and Bootstrap
- **Internet:** 3G or above and WI-FI
- **Scripting:** JavaScript and Django
- **Language:** Python

Hardware Requirements:

- **RAM:** 4GB +
- **Storage:** 256GB +
- **Windows:** 7 Ultimate & Above

Online GitHub Repository:

- [GitHub Repository Link](#)

References:

- [BootStrap](#)
- [Firebase](#)
- [Stripe](#)
- [Stackoverflow](#)

Faculty Guidelines:

Mr. Abhishek Kr. Tiwari (Technical Trainer)