Hatch

Connecting People.
Connecting Packages.
Hatch your new career.

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A Case Study

hatch

Overview

Hatch is courier service app with a tweak. Using this platform common people can provide courier service in their free time.

There are 2 different apps, one is driver app and another is customer(user app). Both apps have different features.

A customer wants to send their parcel from one location to another location/s, then they can use this platform and driver also by using the same platform will deliver their parcel to the destination.
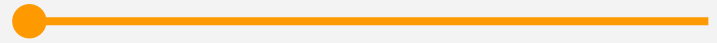
Aim Of The App

"Service is remembered long after the price is forgotten."

The AIM of making this app is that to provide the platform to the people where peoples can earn money in their free time and provide the courier service in the nearby area. There are two objectives to develop this platform: one is let people earn money utilizing free time and make courier service more available.

Hatch Express

Key Points

Key Roles

Key Functionalities

Users

- Users can sign up in the app with the basic details like Full Name, Email, Phone Number and verify their email using verification link. User can also login using social media.
- Users can send the parcel from one location to another using this platform; for that the user must enter the some information like: pick up and drop location, size of the parcel, date and time, type of vehicle required and description about the parcel.
- System will find nearest drivers and provide the estimated price. If user confirms, then the selected driver will pick up parcel in due time.
- User need to pay online before the pick up of the parcel.
- Users can track their delivery and also check the status of the delivery. After the parcel successfully delivered, user can rate the driver.

Drivers

- Drivers can create their accounts using these information: Personal Details, vehicle Details (Number, Insurance, Type, Model), Document for KYC (Licence, Photo), Payment Details, Email, Password. After that admin verifies driver's account. Once completed successfully, a driver is able to login.
- Drivers can manage 'Delivery Requests'; they can accept or decline.
- View Previous Delivery History.
- Drivers can manage the reviews and ratings and add the cross comments on the users comments.
- Drivers can subscribe the premium plan and get the more benefits.
- Drivers get weekly payment from the admin
- Drivers can see their own Profiles and receive Notifications
- Drivers can delete their accounts.

Admin

- Admin can login using registered email & password and access the admin area.
- In the Dashboard graphs & counters are there for Total Earning, Total Drivers, Total Users.
- Admin can manage the drivers and users. Admin can view, add, edit, delete the drivers and users
- Admin can manage the delivery orders also.
- Admin can manage revenue and commission, check total Earnings till date, total commission paid till date, commission to Individual Drivers.
- Manage reviews and ratings.

Technology and Tools
Web Development

Technology: Laravel - PHP Framework (V 5.5.48),

Google Place API for address selection, Google Route Draw API for Route Draw, Firebase for Notification Handle, Stripe Payment gateway in Server-Side

API: Laravel

Front End Website - Wordpress

Database: MySQL

UI/ UX Design: Sketch

Technology and Tools
Building Mobile App

Android: Java for Android using Android Studio

iOS: Swift for iOS using XCode

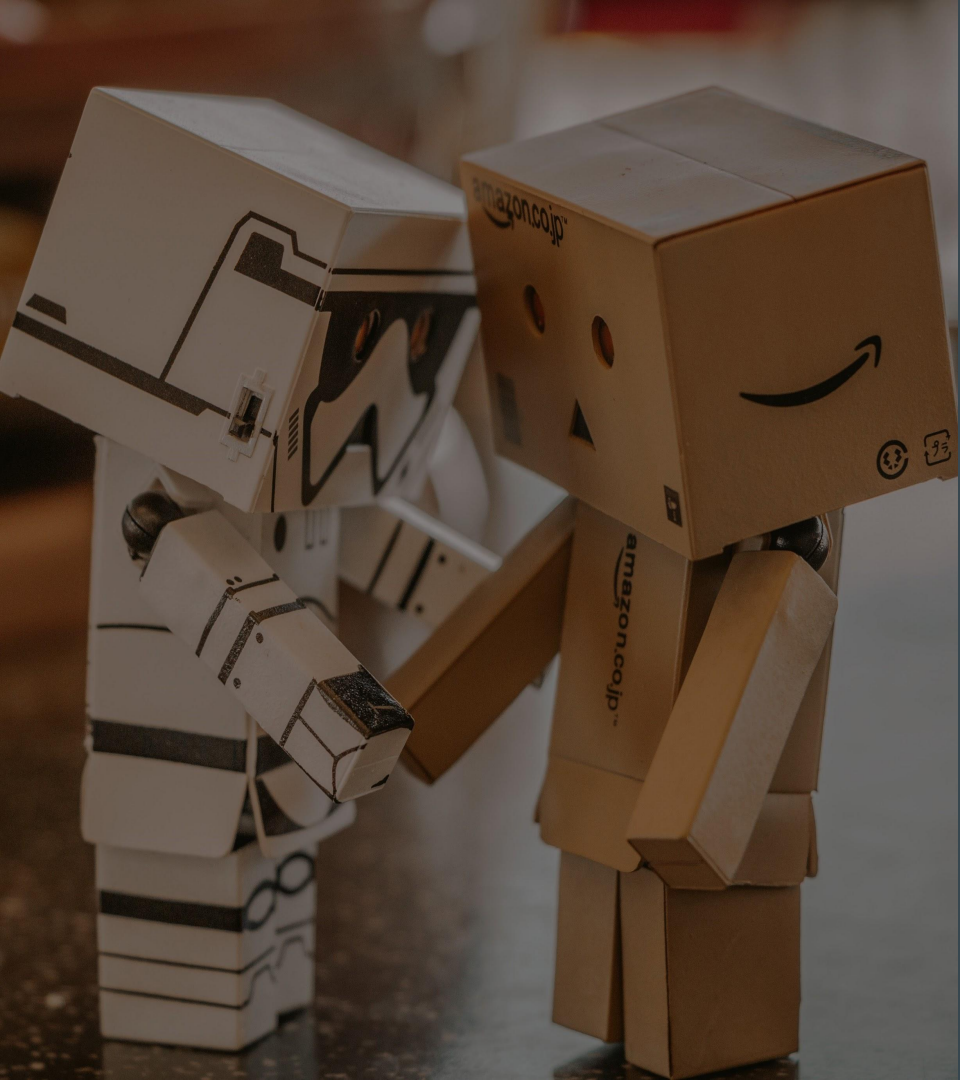Challenges &
Solutions

hatch

Drawing Root in the MAP

- Drawing the root on the MAP was one of the most challenging parts of this project. For every delivery location root drawing on the map was not easy

- With the proper techniques, guidance, proper structure of coding and with the use of proper API, we implemented this feature in the app.

Send Request to Nearby Driver

- Send Request to nearby driver was another challenging feature. In this project one driver was needed to be able to send the request to another driver. If a nearby driver do not want to accept the delivery request, then can forward the request to another driver.
- To solve this challenge, we have structured database accordingly and implement proper business logic to successfully implement this feature in the app.

Stripe Payment Gateway

- Stripe payment gateway integration was another challenging part of this project although it was not that tough.
- Our proper understanding and experience for this payment gateway helped implementing this feature in the hatch user app.
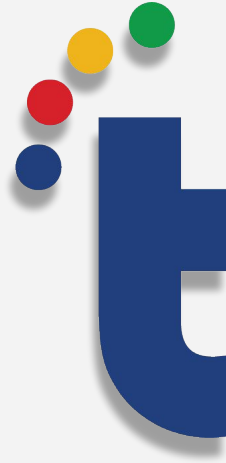
Visit Hatch Today

Customer App   Driver App

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Thank You

Case study prepared by: Techno Source Web Pvt. Ltd.