Fiuge

Project Brief

Fiuge is a mobile application-based delivery service in Finland, offering users the convenience of getting various items delivered right to their doorstep. This platform not only caters to individual users but also serves companies, providing an efficient, flexible, and cost-effective delivery solution. Users can rely on Fiuge to deliver groceries, toiletries, pharmacy products, online purchases, and even collect parcels from pickup points on their behalf.

Key Challenges

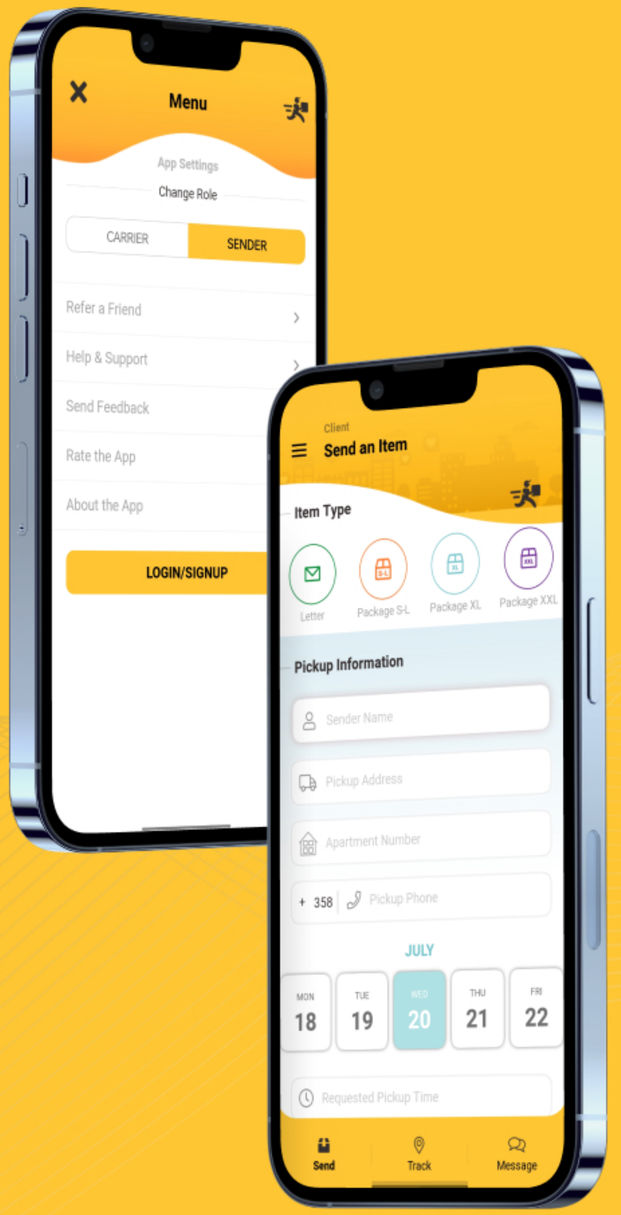
- **Feature Review and Time Constraints:** Balancing the need for a comprehensive feature review while adhering to project time constraints.
- **Unified Algorithm:** Developing an algorithm that centralizes and optimizes the management of deliveries, ensuring efficiency and accuracy throughout the process.
- **Real-Time Tracking:** Implementing a robust real-time tracking system that offers precise and up-to-date information on delivery progress.
- **Cargo Creation Efficiency:** Enhancing cargo creation efficiency by implementing automated processes, intelligent allocation, and resource optimization to expedite shipment preparation.
- **Delivery Logistics:** Optimizing logistics and route planning to minimize delivery times and costs.
- **Notify carriers:** Implementing a robust carrier notification system with real-time updates and alerts to ensure carriers are promptly informed about cargo pickup and delivery assignments.
- **Modifications for package sequence:** Providing a flexible system for easy modifications to package sequencing, enabling users to adjust the order of packages based on priority, size, weight, or other relevant criteria.

Solution Delivered

- Integrates GPS tracking features, offering users and delivery drivers real-time location updates, enhancing visibility, and ensuring accurate tracking of deliveries.
- Improved the existing algorithm to consolidate multiple packages into a single cargo efficiently, enhancing shipping efficiency significantly.
- Optimized the algorithm to automatically create cargos based on various criteria, streamlining the shipment preparation process.
- Introduced a new feature enabling real-time notifications to be sent to carriers near the cargo pickup location, enhancing operational coordination.
- Provided a solution for manually modifying the sequence of packages in cases where the automated algorithm failed to assign package sequences according to priority.

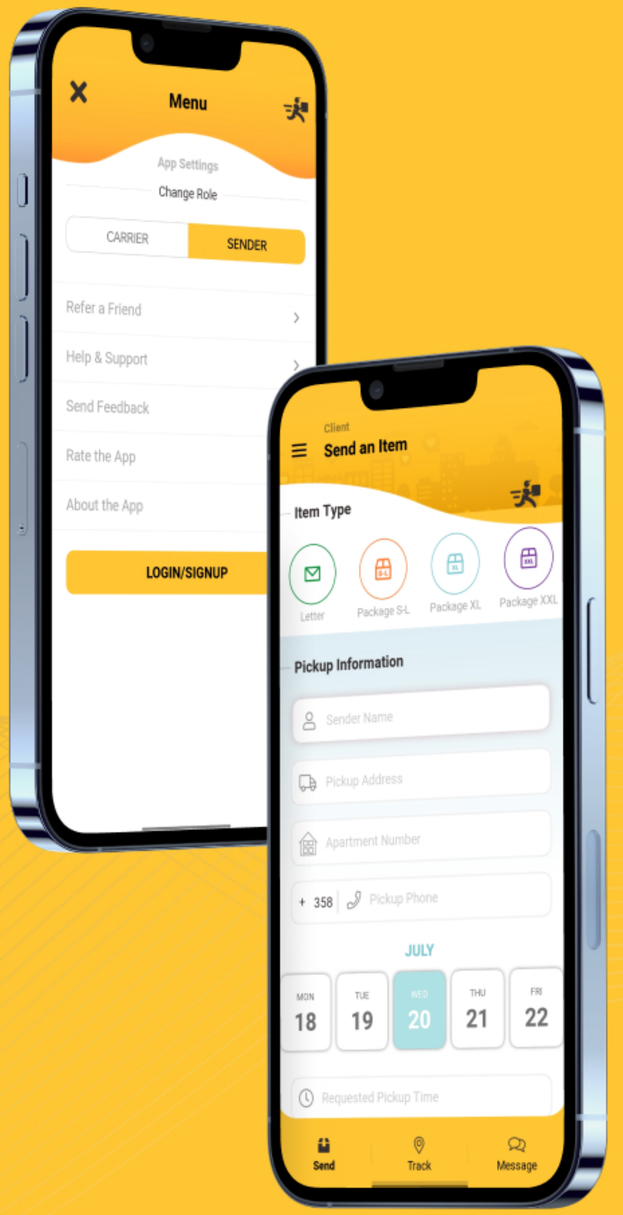
Highlighted Features

- **Real-Time Tracking:** Track your deliveries in real-time for added convenience.
- **Efficient Route Planning:** Optimize delivery routes for faster and cost-effective service.
- **Delivery of Various Products:** Fiuge offers delivery services for groceries, toiletries, pharmacy products, and a wide range of online items that customers may be unable to pick up themselves.
- **Parcel Collection Services:** Fiuge provides parcel collection services, including Posti, Matkahuolto, DB Schenker, and other parcels, on behalf of customers from designated pick-up points.
- **Versatile Use Cases:** Fiuge can be used in multiple ways, including customer-initiated deliveries, businesses ordering deliveries for their customers, integration with web stores, and functioning as a web store platform with home delivery integration.
- **Package Transfer:** The platform enables the transfer of packages and couriers from one location to another.
- **Scheduled Pickup and Drop-Off:** Fiuge allows scheduled package pickup and drop-off services for added convenience.

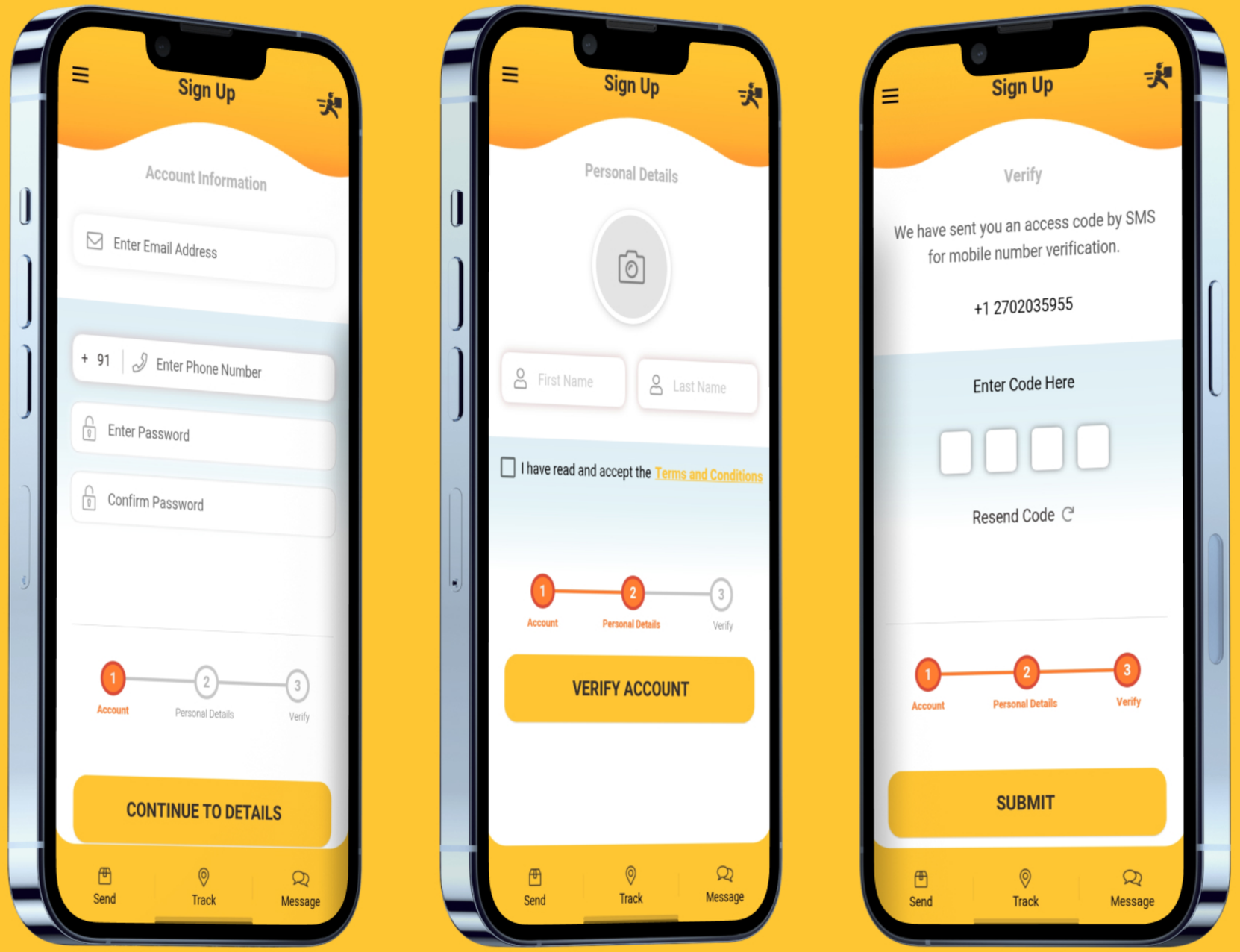


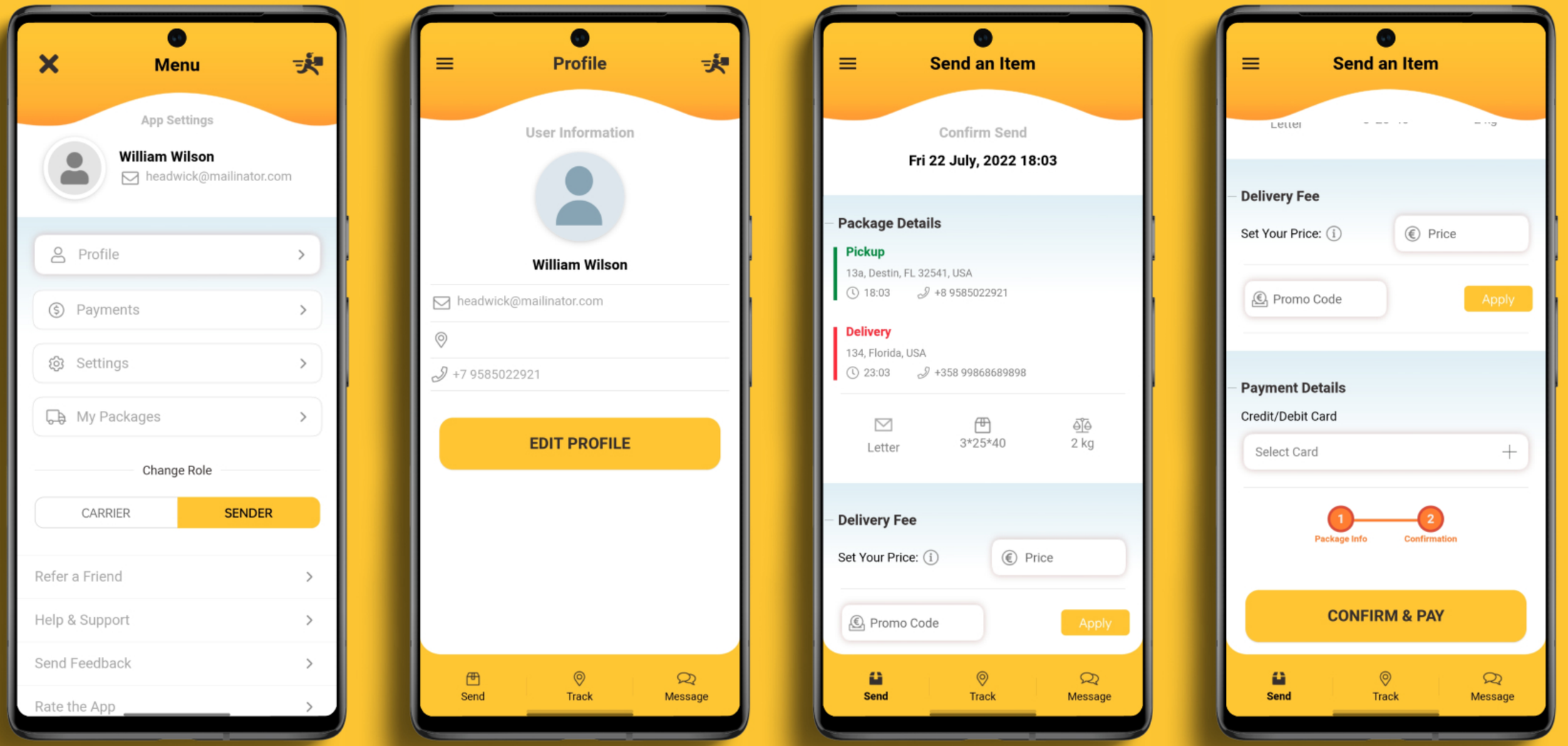
Highlighted Features

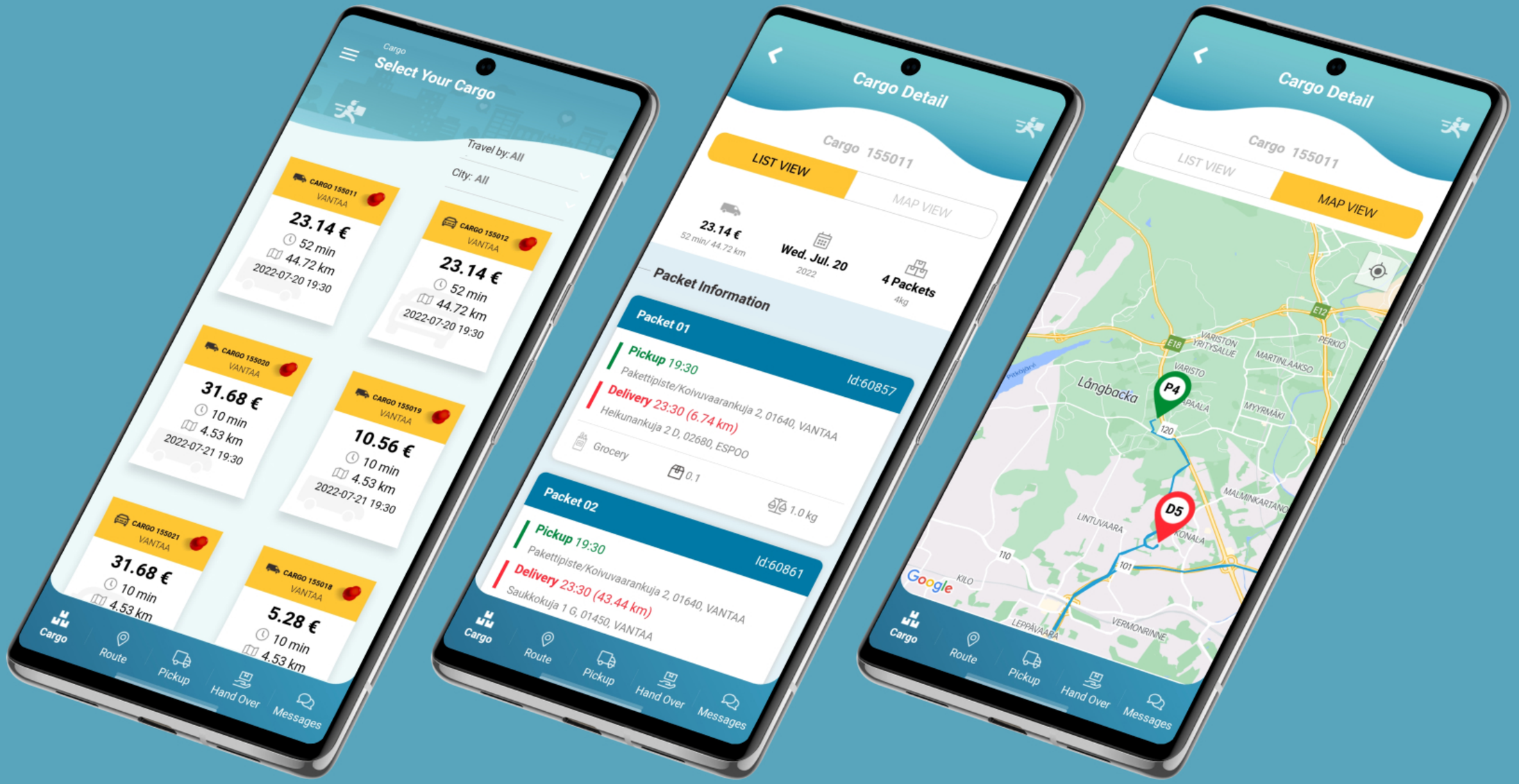
- **Automatic Cargo Formation:** The system automatically forms cargo and adds packages, simplifying the shipping process.
- **Smart Package Allocation:** A smart approach for allocating packages with different dimensions, weights, and pickup requirements to the same cargo, optimizing space and efficiency.
- **Admin Panel and Mobile App:** Evince delivered a working admin panel and mobile app to the client, providing user-friendly interfaces for managing deliveries.

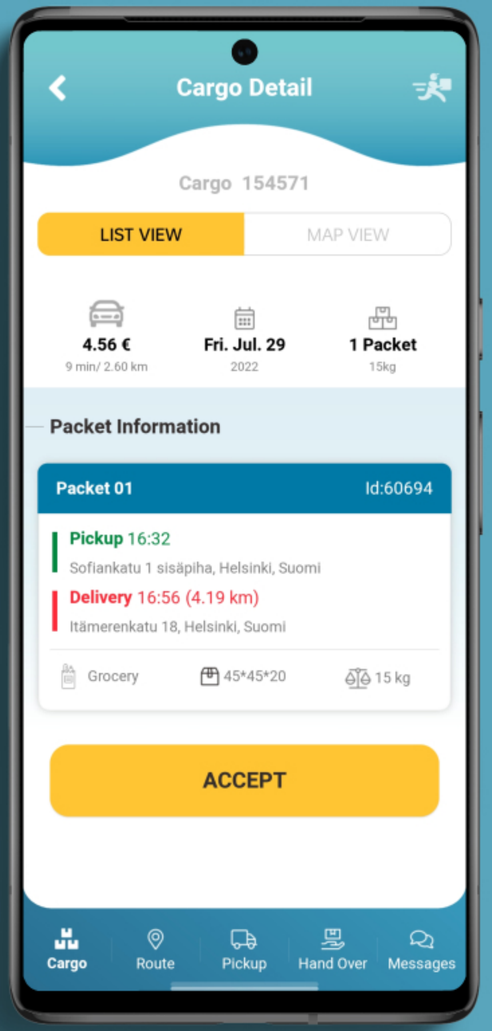


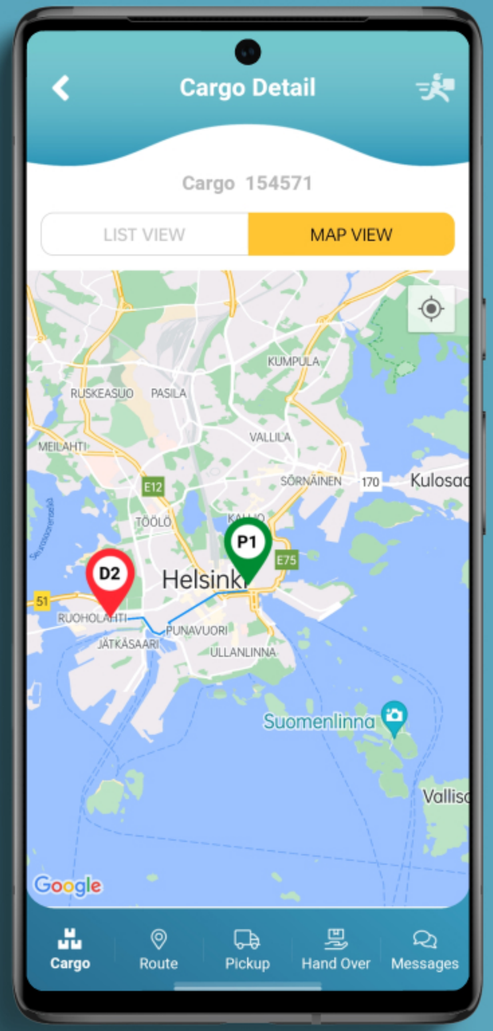
Fiuge
English
CONTINUE
Client
Send an Item
Item Type
Letter
Package S-L
Package XL
Package
Pickup Information
Sender Name
Pickup Address
Apartment Number
+ 358
Pickup Phone
JULY
MON 18
TUE 19
WED 20
THU 21
FRI 22
Requested Pickup Time
Send
Track
Message
Login
Enter Your Details
Enter Email Address
Enter Password
Forgot Password?
LOGIN
Or Login With
Facebook
Google
Don't have an account? Sign Up here ›
Send
Track
Message

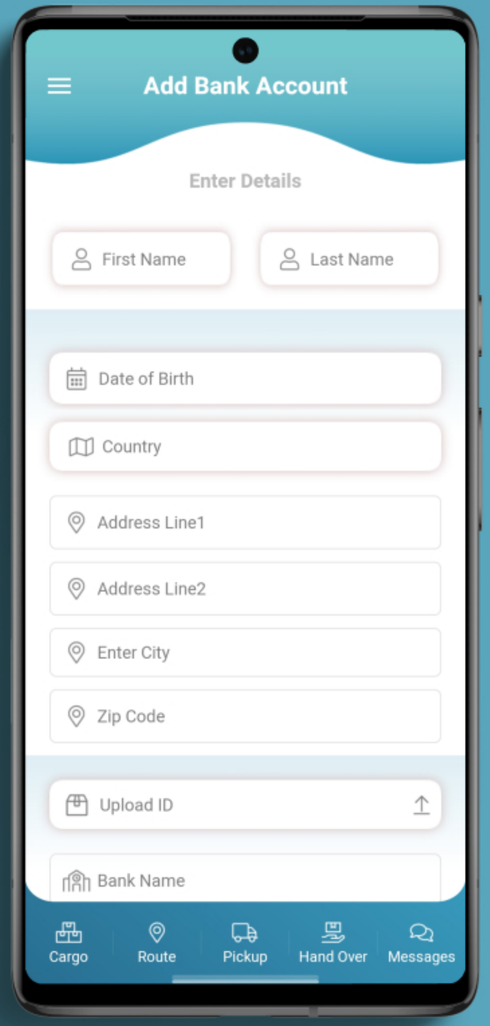

Sign Up
Account Information
Enter Email Address
+ 91
Enter Phone Number
Enter Password
Confirm Password
1
2
3
Account
Personal Details
Verify
CONTINUE TO DETAILS
Send
Track
Message
Sign Up
Personal Details
First Name
Last Name
I have read and accept the Terms and Conditions
1
2
3
Account
Personal Details
Verify
VERIFY ACCOUNT
Send
Track
Message
Sign Up
Verify
We have sent you an access code by SMS for mobile number verification.
+1 2702035955
Enter Code Here
Resend Code
1
2
3
Account
Personal Details
Verify
SUBMIT
Send
Track
Message

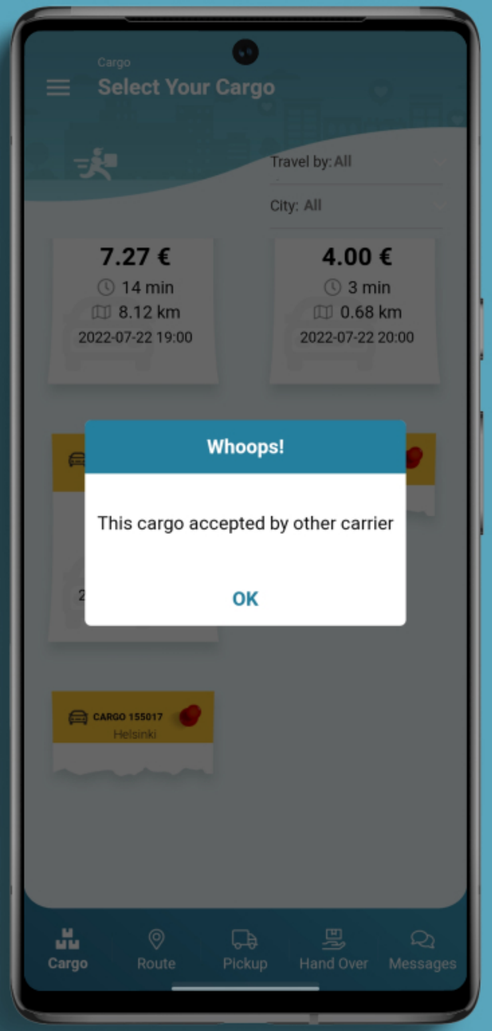

Menu
App Settings
William Wilson
headwick@mailinator.com
Profile
Payments
Settings
My Packages
Change Role
CARRIER
SENDER
Refer a Friend
Help & Support
Send Feedback
Rate the App
Profile
User Information
William Wilson
headwick@mailinator.com
+7 9585022921
EDIT PROFILE
Send
Track
Message
Send an Item
Confirm Send
Fri 22 July, 2022 18:03
Package Details
Pickup
13a, Destin, FL 32541, USA
18:03
+8 9585022921
Delivery
134, Florida, USA
23:03
+358 99868689898
Letter
3*25*40
2 kg
Delivery Fee
Set Your Price:
Price
Promo Code
Apply
Send
Track
Message
Send an Item
Delivery Fee
Set Your Price:
Price
Promo Code
Apply
Payment Details
Credit/Debit Card
Select Card
1
Package Info
2
Confirmation
CONFIRM & PAY
Send
Track
Message

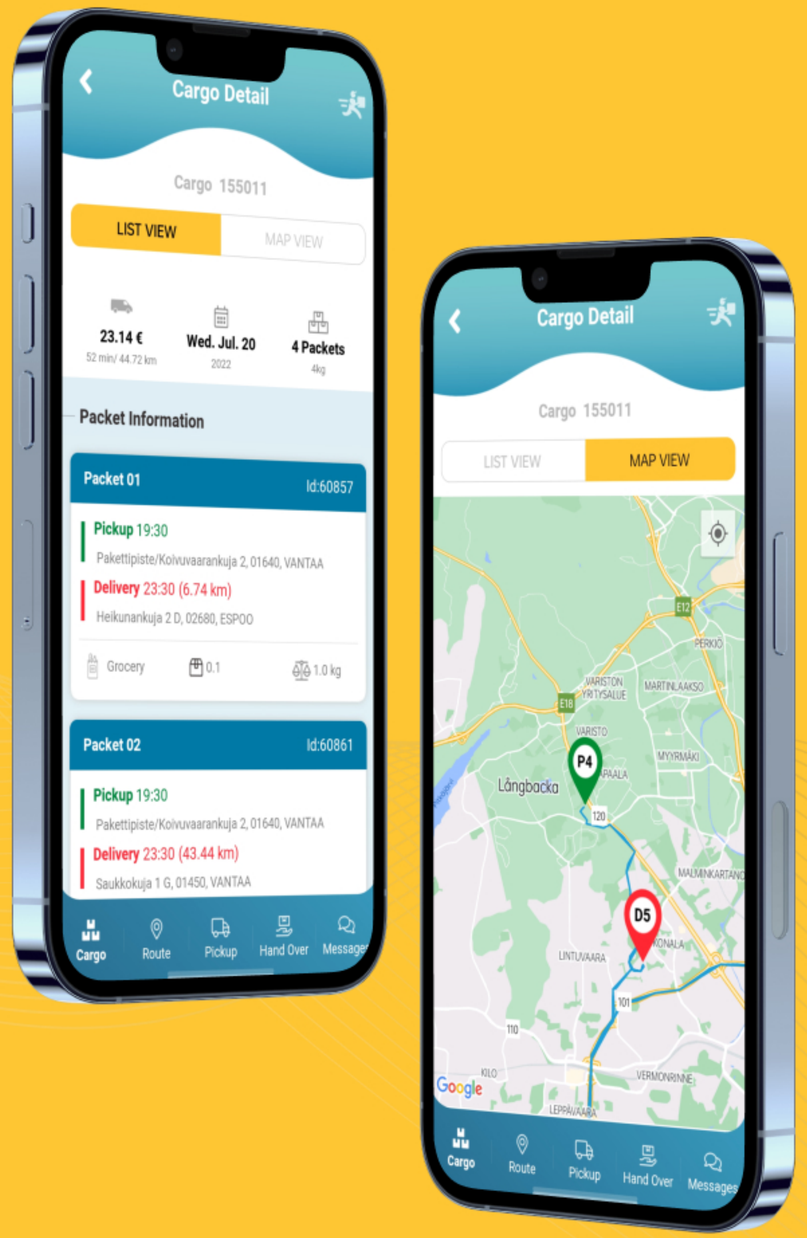

Cargo
Select Your Cargo
Travel by: All
City: All
CARGO 155011
VANTAA
23.14 €
52 min
44.72 km
2022-07-20 19:30
CARGO 155012
VANTAA
23.14 €
52 min
44.72 km
2022-07-20 19:30
CARGO 155020
VANTAA
31.68 €
10 min
4.53 km
2022-07-21 19:30
CARGO 155019
VANTAA
10.56 €
10 min
4.53 km
2022-07-21 19:30
CARGO 155021
VANTAA
31.68 €
10 min
4.53 km
CARGO 155018
VANTAA
5.28 €
10 min
4.53 km
Cargo
Route
Pickup
Hand Over
Messages
Cargo Detail
Cargo 155011
LIST VIEW
MAP VIEW
23.14 €
52 min/ 44.72 km
Wed. Jul. 20
2022
4 Packets
4kg
Packet Information
Packet 01
Pickup 19:30
Id:60857
Pakettipiste/Koivuvaarankuja 2, 01640, VANTAA
Delivery 23:30 (6.74 km)
Heikunankuja 2 D, 02680, ESPOO
Grocery
0.1
1.0 kg
Packet 02
Pickup 19:30
Id:60861
Pakettipiste/Koivuvaarankuja 2, 01640, VANTAA
Delivery 23:30 (43.44 km)
Saukkokuja 1 G, 01450, VANTAA
Cargo Detail
Cargo 155011
LIST VIEW
MAP VIEW
Långbacka
P4
D5
VARISTON YRITYSALUE
VARISTO
PÄÄLA
MYYRMÄKI
MARTINLAAKSO
PERKIÖ
LINTUVAARA
KONALA
MALMINKARTANO
VERMONRINNE
LEPPÄVAARA
KILO
E18
E12
120
110
101
Google
Cargo
Route
Pickup
Hand Over
Messages


Cargo Detail
Cargo 154571
LIST VIEW
MAP VIEW
4.56 €
9 min/ 2.60 km
Fri. Jul. 29
2022
1 Packet
15kg
Packet Information
Packet 01
Id:60694
Pickup 16:32
Sofiankatu 1 sisäpiha, Helsinki, Suomi
Delivery 16:56 (4.19 km)
Itämerenkatu 18, Helsinki, Suomi
Grocery
45*45*20
15 kg
ACCEPT
Cargo
Route
Pickup
Hand Over
Messages


Cargo Detail
Cargo 154571
LIST VIEW
MAP VIEW
KUMPULA
RUSKEASUO
PASILA
MEILAHTI
VALLILA
SÖRNÄINEN
170
E12
TÖÖLÖ
KALLIO
P1
D2
E75
Helsinki
51
RUOHOLAHTI
PUNAVUORI
JÄTKÄSAARI
ULLANLINNA
Suomenlinna
Google
Cargo
Route
Pickup
Hand Over
Messages


Add Bank Account
Enter Details
First Name
Last Name
Date of Birth
Country
Address Line1
Address Line2
Enter City
Zip Code
Upload ID
Bank Name
Cargo
Route
Pickup
Hand Over
Messages


Cargo
Select Your Cargo
Travel by: All
City: All
7.27 €
14 min
8.12 km
2022-07-22 19:00
4.00 €
3 min
0.68 km
2022-07-22 20:00
Whoops!
This cargo accepted by other carrier
OK
CARGO 155017
Helsinki
Cargo
Route
Pickup
Hand Over
Messages



Fiuge

Technology Overview

- **Mobile Technology**
  iOS - Swift | Android - Kotlin
- **API Technology/Backend**
  Node.js
- **Database**
  MySQL
- **Design Tool**
  Figma
- **Supported Device**
  iOS & Android
- **Industry Domain**
  Transportation & Logistics

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