ASAP

Project Brief

Founded by Vittorio Pineli, ASAP introduces a concept centered on the seamless delivery of goods or products from the pickup point to the end user. In this app, individual carriers owning one or more vehicles will deliver the product. The app is designed to be highly flexible, allowing carriers and end users to tailor operations to their specific requirements. This app prioritizes the customers' needs, ensuring they are user-friendly and accessible.

Key Challenges

- **Route Planning:** Integrating Google and Apple Maps for Effective Route Planning.
- **Data Handling:** Implementing Local Storage for Efficient Data Handling.
- **Local Storage:** Difficulty in storing data locally on the user's device.
- **Map Functionality:** Difficulty in implementing maps and location-based services in the application.
- **Realtime chat:** Integrating Firebase for Real-time Chat Functionality.
- **Filter by Area:** Difficulty in filtering search results based on the user's location or a specific geographical area.
- **Push Notifications:** Difficulty in sending timely notifications to users even when the app is not in use.
- **Cheapest Driver Bid:** Difficulty in implementing a bidding system for drivers to provide the cheapest fare to users.
- **Refund:** Establishing a Refund System for Task Failures.
- Upload photos before transmission starts

Solution Delivered

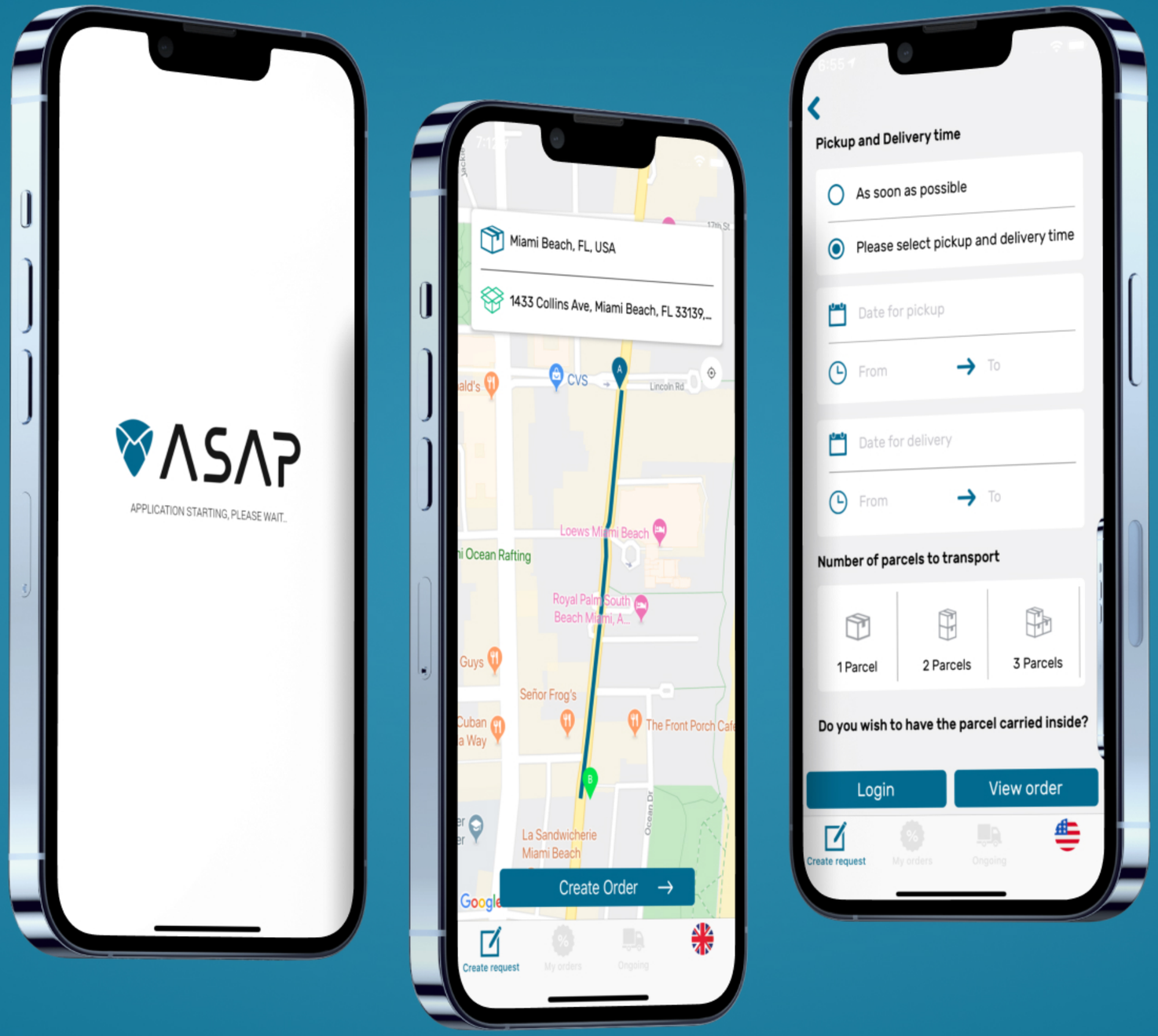
- Integration of Google Maps to accurately track vehicles and provide location services.
- Implementation of a robust event management system to efficiently handle notifications and background processes.
- Establishment of a secure payment flow using 3D Secure authentication within the Stripe payment system.
- Implementation of a well-structured and scalable microservices architecture for enhanced performance.
- This project is completely based on microservice architecture, where the project is bifurcated into multiple microservices with .NET Core as a tech stack, MSSQL database for Relational data, cache management using Redis, chat data management via MongoDB, and background processing events are managed via RabbitMQ.
- Configuration of RabbitMQ to ensure reliable sending of background events and messages.
- Implementation of a route-drawing feature that calculates the best transportation route from pickup to drop-off stations.
- Enabling of Firebase Chat, providing users with a seamless communication channel to resolve any transportation-related issues.
- Utilization of Firebase push notifications to keep users informed about important updates and announcements.
- Display of the cheapest driver bids on top, ensuring that users can easily find the most cost-effective transportation solutions.

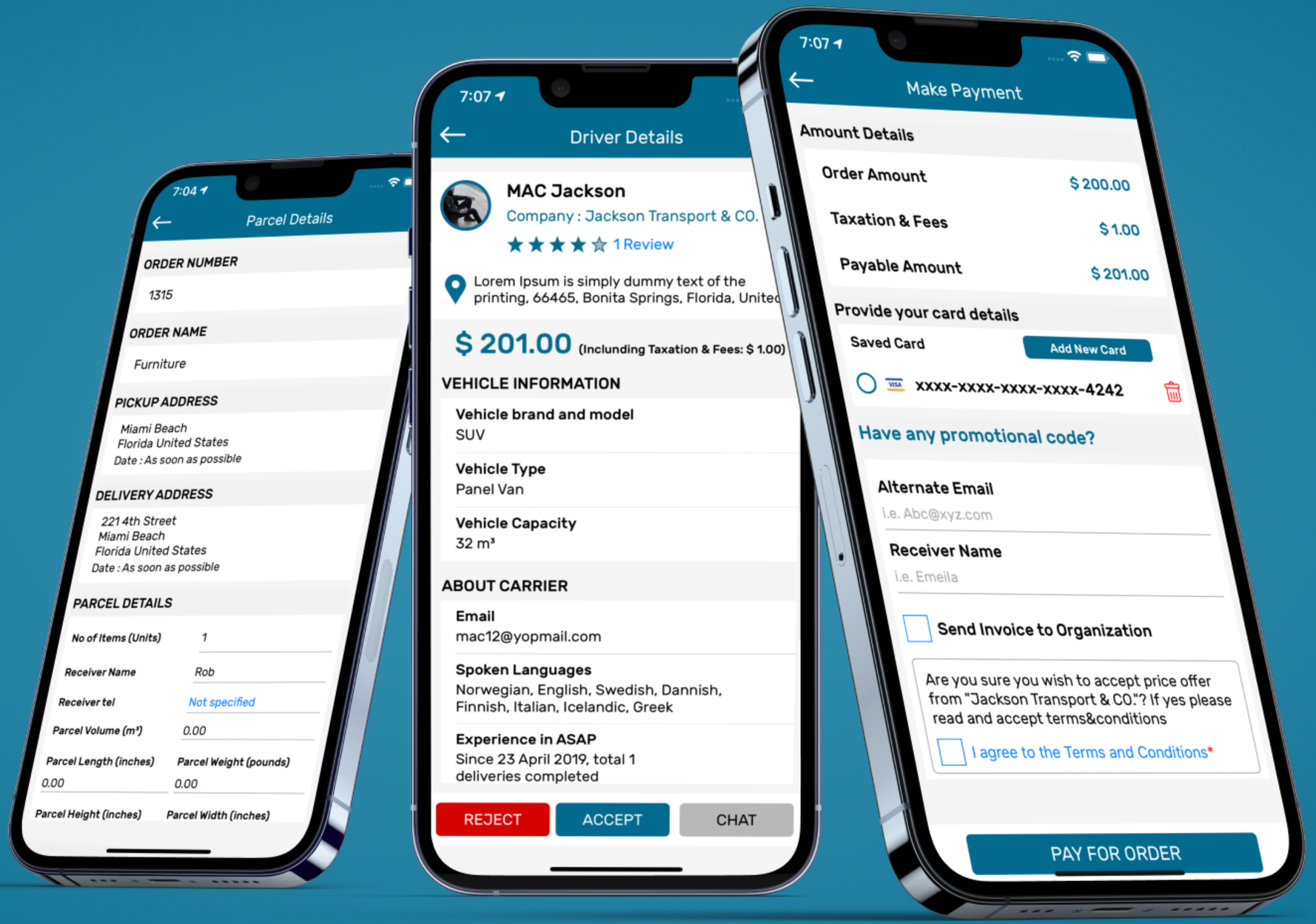
Highlighted Features

- **Vehicle Selection:** Provides a range of vehicle options to choose from depending on the size and type of items to be transported.
- **Offline Store Data:** In case of network issues, the app stores data offline to ensure that important information is not lost.
- **Driver Availability:** Maintains a comprehensive list of available drivers, allowing you to quickly assign tasks to them.
- **Real-Time Location Tracking:** Enables you to track the real-time location of goods and items, allowing you to plan the transportation route accordingly.
- **Photo Upload:** Allows you to upload photos of the items before the transmission begins, ensuring that the recipient receives the correct items.
- **Delivery Verification:** Enables you to verify the delivered items by reviewing the photos uploaded before the transmission.
- **Signature Collection:** Allows you to collect the recipient's signature upon delivery, ensuring that the items have been received by the right person.

Highlighted Features

- **Refund Policy:** In case of driver failure or any unexpected event, the app provides a refund policy to ensure that your investment is protected.
- Driver Earnings and Income Monitoring.
- Secure Chat System between End User and Driver.
- Payment Processing for Services.
- Option for End User to Give Tips to Driver.
- Selection of Driver based on Price, Time, and Ratings.


ASAP
APPLICATION STARTING, PLEASE WAIT..
Miami Beach, FL, USA
1433 Collins Ave, Miami Beach, FL 33139,...
CVS
Lincoln Rd
Loews Miami Beach
Royal Palm South Beach Miami, A...
Señor Frog's
The Front Porch Cafe
La Sandwicherie Miami Beach
Create Order
Create request
My orders
Ongoing
Pickup and Delivery time
As soon as possible
Please select pickup and delivery time
Date for pickup
From
To
Date for delivery
From
To
Number of parcels to transport
1 Parcel
2 Parcels
3 Parcels
Do you wish to have the parcel carried inside?
Login
View order
Create request
My orders
Ongoing


7:04
Parcel Details
ORDER NUMBER
1315
ORDER NAME
Furniture
PICKUP ADDRESS
Miami Beach
Florida United States
Date : As soon as possible
DELIVERY ADDRESS
221 4th Street
Miami Beach
Florida United States
Date : As soon as possible
PARCEL DETAILS
No of Items (Units) 1
Receiver Name Rob
Receiver tel Not specified
Parcel Volume (m³) 0.00
Parcel Length (inches) Parcel Weight (pounds)
0.00 0.00
Parcel Height (inches) Parcel Width (inches)
7:07
Driver Details
MAC Jackson
Company : Jackson Transport & CO.
1 Review
Lorem Ipsum is simply dummy text of the printing, 66465, Bonita Springs, Florida, United
$ 201.00 (Inclunding Taxation & Fees: $ 1.00)
VEHICLE INFORMATION
Vehicle brand and model
SUV
Vehicle Type
Panel Van
Vehicle Capacity
32 m³
ABOUT CARRIER
Email
mac12@yopmail.com
Spoken Languages
Norwegian, English, Swedish, Dannish, Finnish, Italian, Icelandic, Greek
Experience in ASAP
Since 23 April 2019, total 1 deliveries completed
REJECT
ACCEPT
CHAT
7:07
Make Payment
Amount Details
Order Amount $ 200.00
Taxation & Fees $ 1.00
Payable Amount $ 201.00
Provide your card details
Saved Card
Add New Card
xxxx-xxxx-xxxx-xxxx-4242
Have any promotional code?
Alternate Email
i.e. Abc@xyz.com
Receiver Name
i.e. Emeila
Send Invoice to Organization
Are you sure you wish to accept price offer from "Jackson Transport & CO."? If yes please read and accept terms&conditions
I agree to the Terms and Conditions*
PAY FOR ORDER

7:18

Ongoing Details

PARCEL DETAILS

No of Items (Units)	1
Receiver Name	Not specified
Receiver Contact No	Not specified
Volume (m³)	0.00
Parcel Length (inches)	32.00
Parcel Weight (pounds)	32.00
Parcel Height (inches)	32.00
Parcel Width (inches)	32.00

TYPE OF DELIVERY

Delivery to stairs

PARCEL STATUS

Not picked up

PAYMENT STATUS

Paid by Card

PICKUP | NOT PICKED UP | CANCEL

CHAT

7:18

New Requests

Enter your keywor... Reset Filter

US Spanish

Pickup From

33825 Avon Park
Florida United States

Pickup Date : Dec 01, 2019 09:17 AM - 09:47 AM

Deliver To

Unnamed Road
Highlands County
Florida United States

Delivery Date : Dec 01, 2019 09:17 AM - 09:47 AM

Type Of Delivery

Carry inside

Parcel Photos

Ongoing | New Requests | My Offers | Profile

7:31

My Offers

All | Offer Given | History | Lost

Bottels INVOICE

Deliver To

Pløens Gate 17 Sentrum
Oslo
Oslo

Picked from kr 92,939.00

Storgata 15 Sentrum
0155 Oslo
Oslo

May 22, 2019 16:12 - 16:42

Ongoing | New Requests | My Offers | Profile

7:10

Profile

sam088

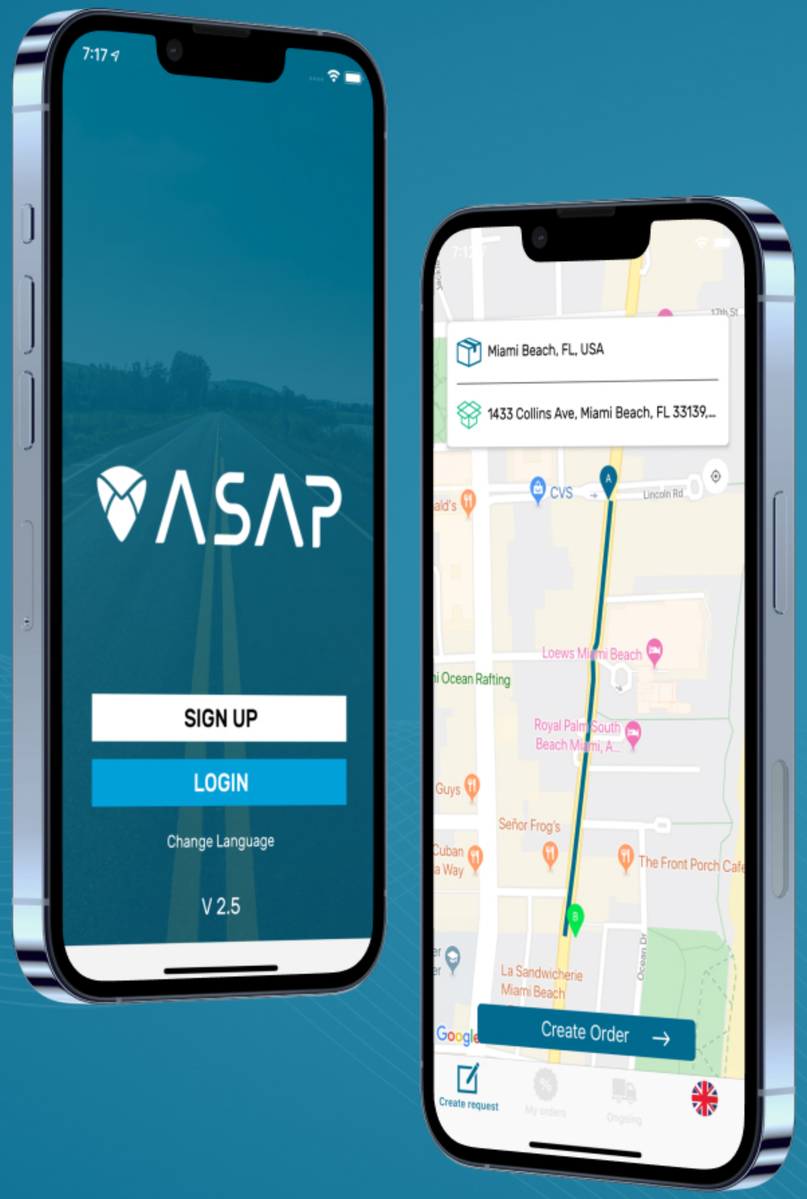
sam088@yopmail.com

United States

Edit Profile

- Change Language
- Change Password
- Organization Details
- Terms & Conditions
- Notifications
- How Does It Work?
- Rate ASAP
- Share ASAP
- Delete Me

Create request | My orders | Ongoing | Profile



ASAP

Technology Overview

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