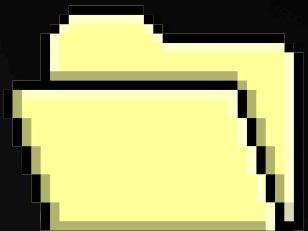
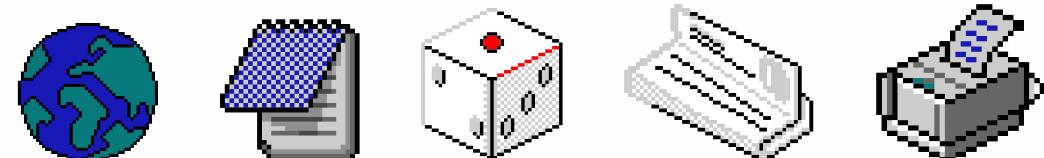


# GETHUB: A Ride Booking System Project



Press Folder to Start

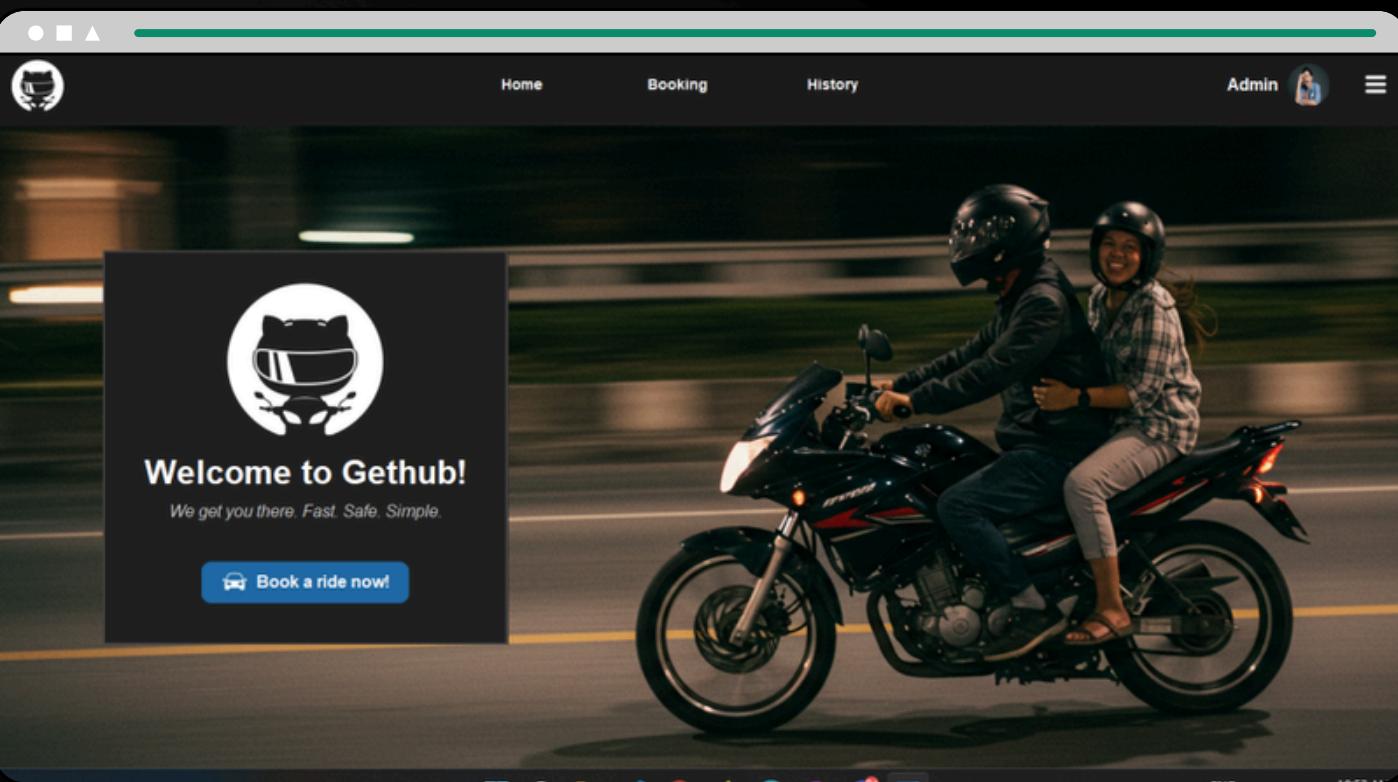


11:11PM



## PROJECT OVERVIEW

Github – a ride-hailing app designed to provide faster, safer, and more accessible transportation for everyone. This project aims not only to address everyday commuting needs but also to serve as a practical application of all the concepts of Object Oriented Programming. Through Github, we intend to demonstrate how OOP concepts can be effectively used to build a simple yet functional ride-booking app.



## PROGRAMMING LANGUAGE



Python

## SOFTWARE TOOLS USED

### LIBRARIES/TOOLS



- CustomTkinter
- OpenStreetMap
- GeoPy
- SQLite
- ImageFX

### PLATFORMS



- Google Docs
- Figma
- Draw.io
- Git/Github
- Discord



## OBJECTIVES

- To apply object-oriented programming concepts such as classes, inheritance, and polymorphism.
- To learn and implement file handling in Python for saving and retrieving application data.
- To design and develop a graphical user interface using Tkinter.
- To understand and implement basic software engineering principles such as modularity and encapsulation in a practical application.



# Interactive Map Interface

Drag, zoom, and add markers with our interactive and responsive map.

# Route Calculation and Display

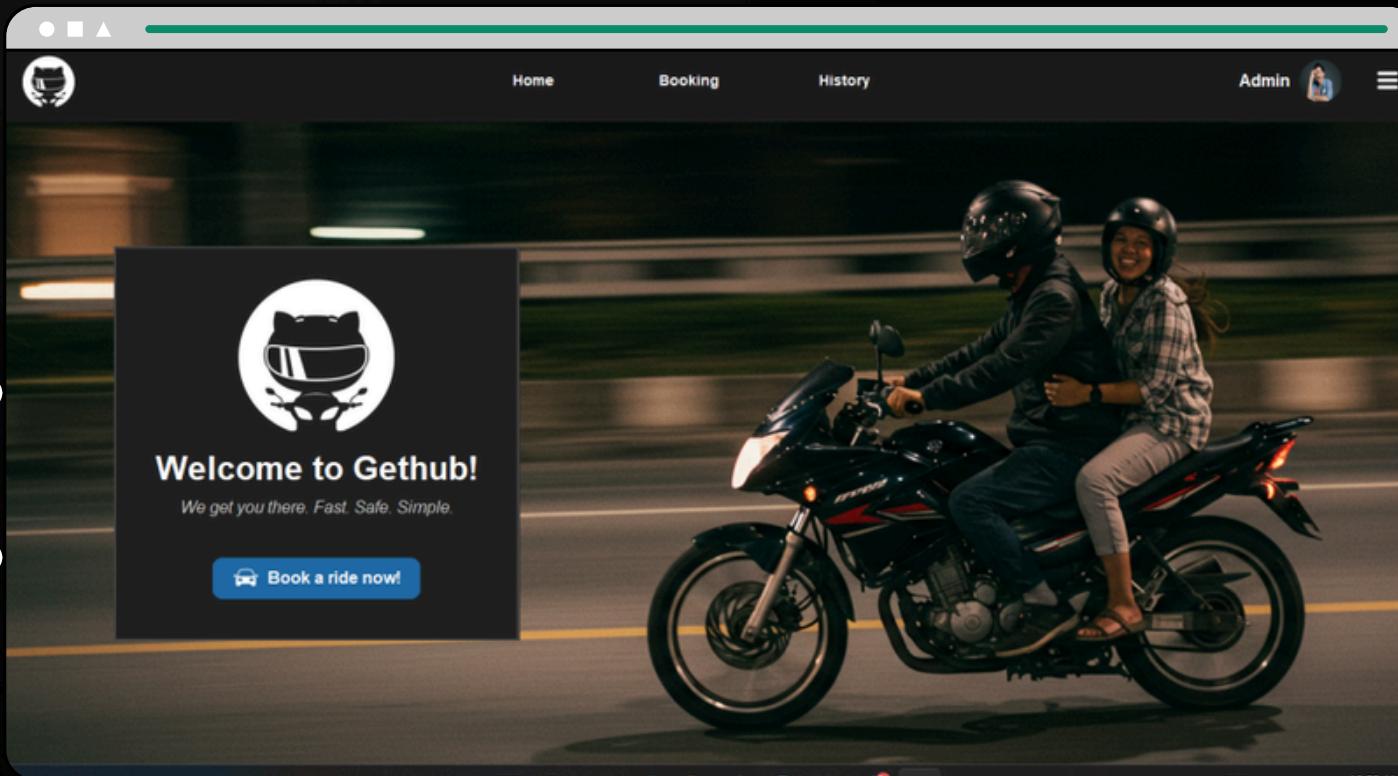
Automatic route calculation with OSRM.

## Vehicle Types

Users can select various vehicle types such as car, van, or motorcycle.

## User Accounts

Users can create their accounts which stores account-specific booking database for privacy.



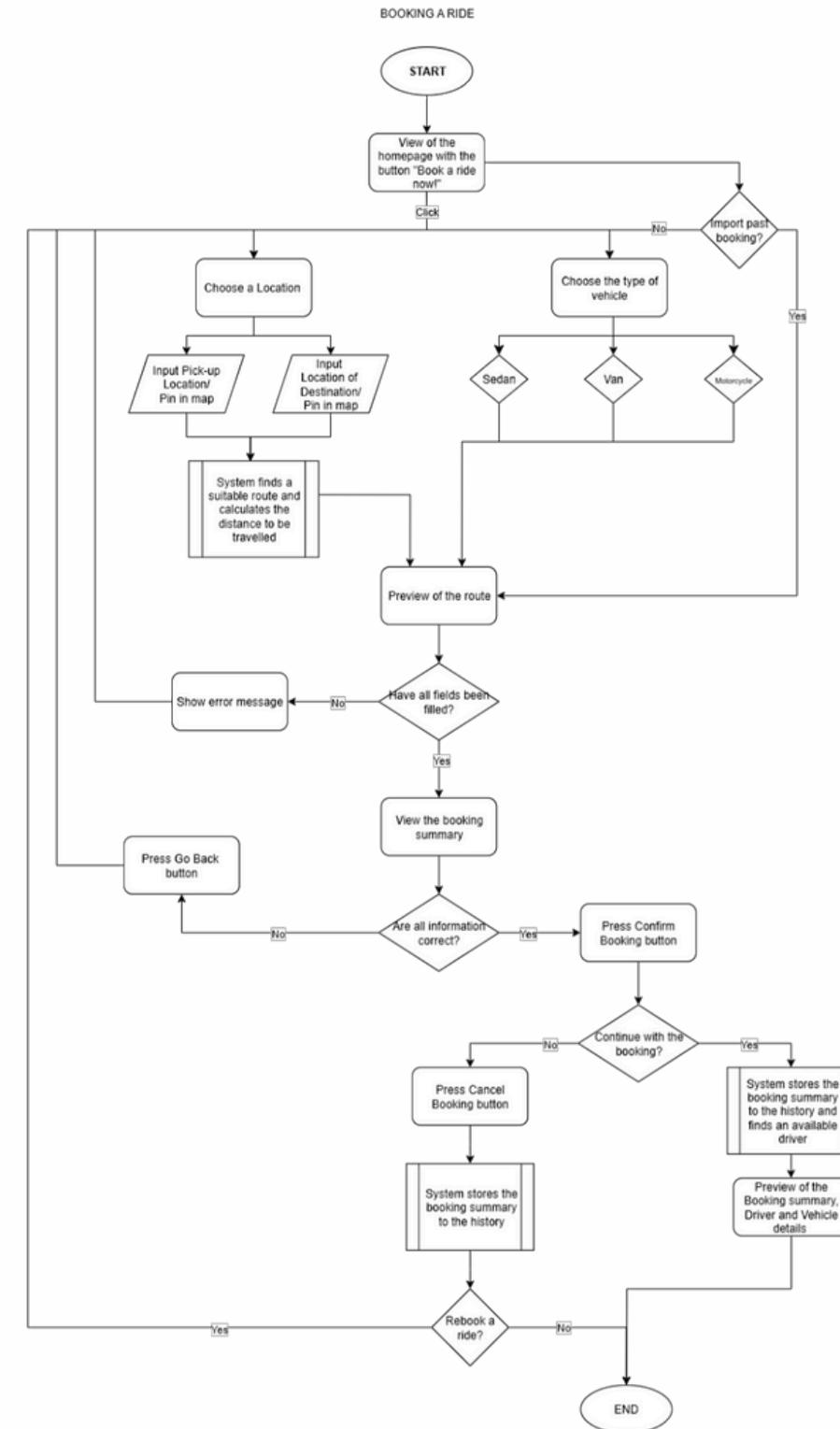
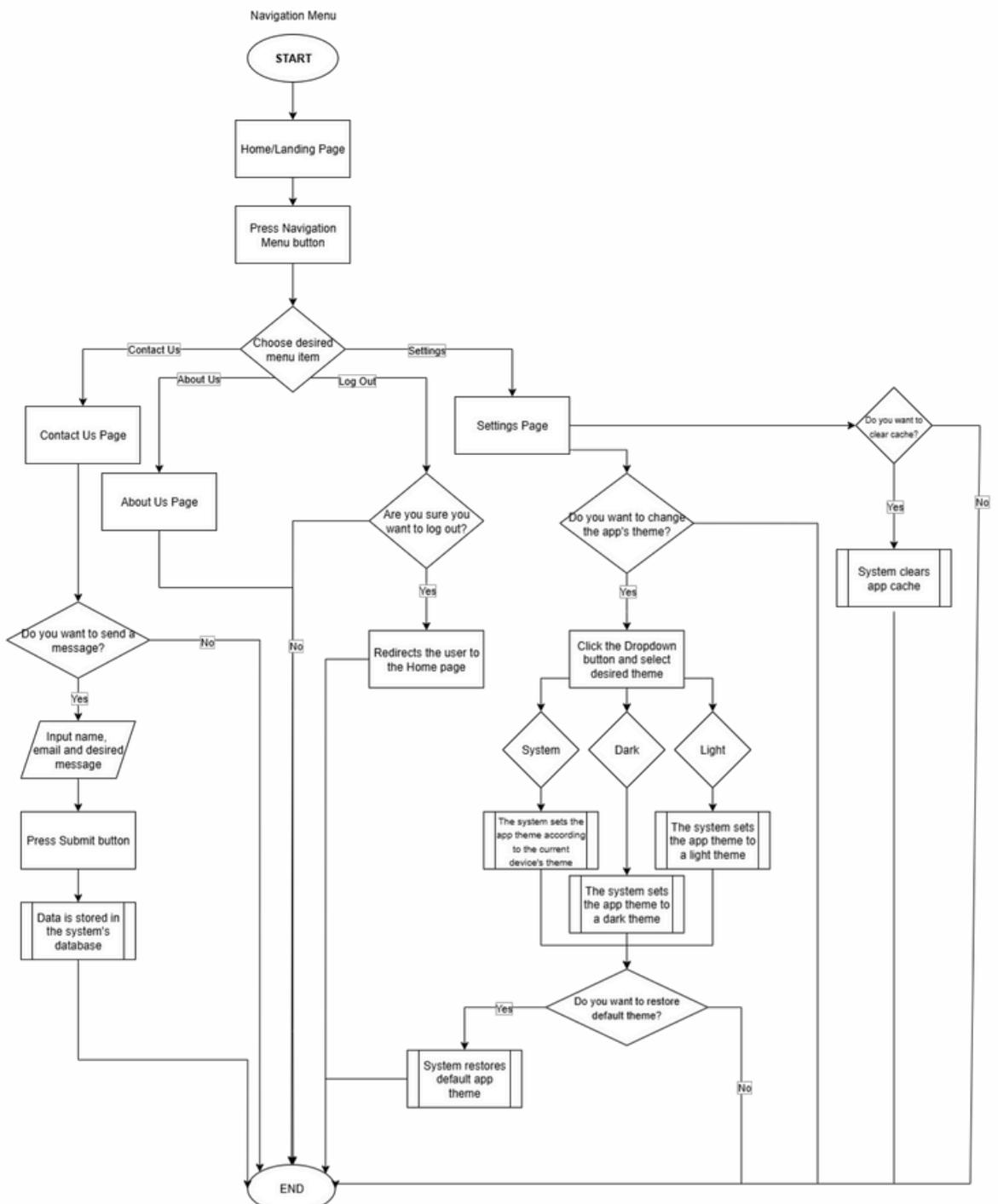
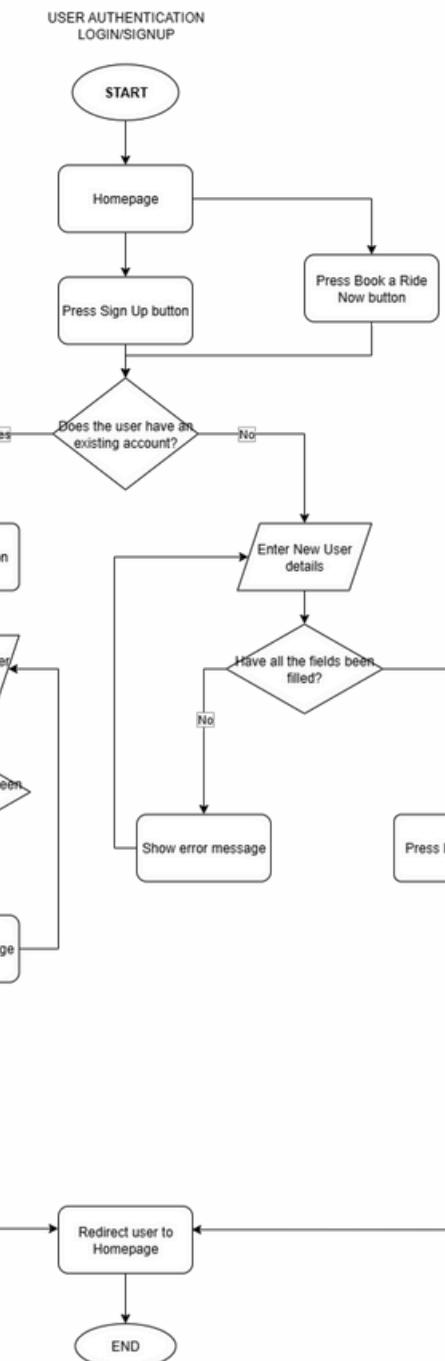
# Distance, Time, and Fare Calculation

Automatic ride details calculation with OSRM.

# Booking Information Management

SQLite database holds all information of saved bookings to allow for downloads.







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# Team Members

Lead Developer

*Mark Christian Abucejo*

Full-stack Developer

*Zybert Jio Sibolboro*

QA/Test Engineer

*Luke Philip Lopez*

Back-end Developers

*Lorens Aron Mercado*

*Renier Dela Cruz*

UI/UX Designers

*Kathlyn Estorco*

*Maeryl Venida*