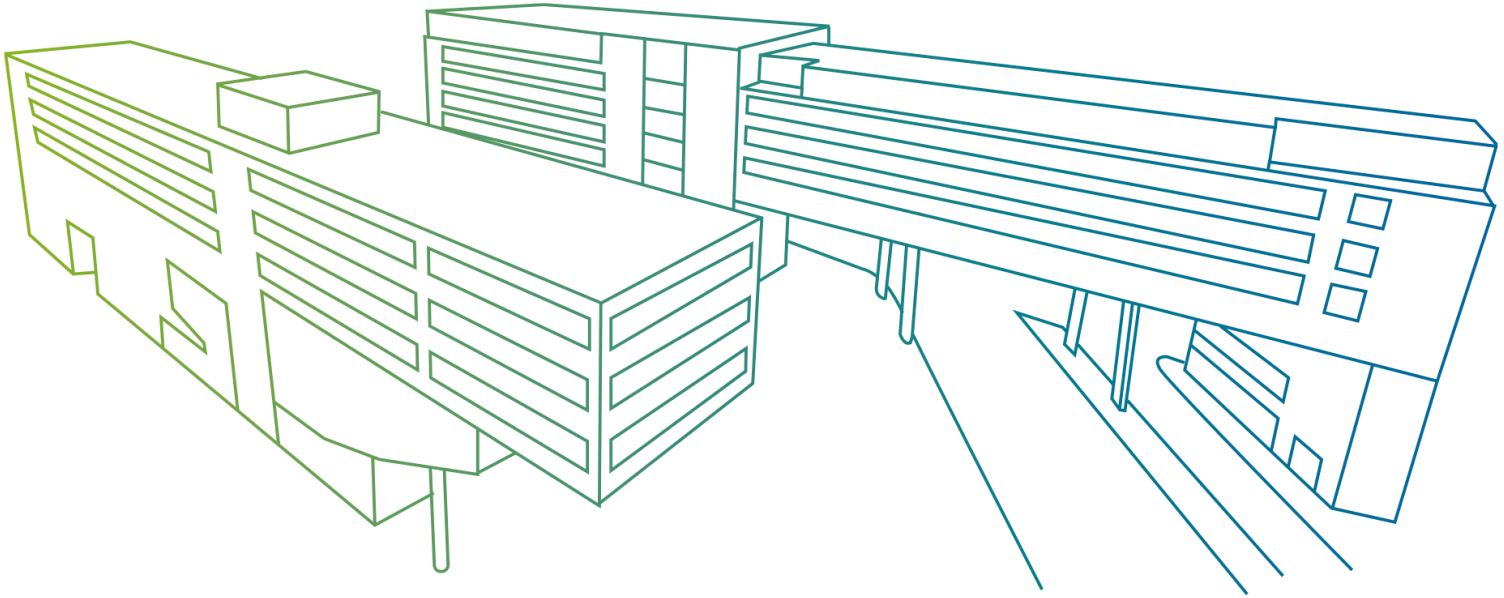

FH University of Applied Sciences TECHNIKUM WIEN

Introduction and Goals

Software Architecture

Requirements Overview

What is MOTUS ?

The MOTUS is a mobile application designed to provide users with an affordable and convenient transportation option through ride sharing. The app allows users to connect with nearby drivers and share rides, reducing the number of cars on the road and promoting sustainable transportation. This document outlines the use cases for the RideShare app and how users can interact with the app to book and share rides.

Main features

Search for Rides

Actors: Passenger

Description: Allows passengers to search for available rides based on location, destination, and desired travel time.

Accept/Decline Ride Request

Actors: Driver

Description: Allows drivers to view and accept or decline ride requests from passengers.

Track Ride

Actors: Passenger, Driver

Description: Allows passengers and drivers to track the progress of the ride and monitor estimated arrival time.

Complete Ride

Actors: Passenger, Driver, Payment Processor

Description: Allows passengers and drivers to confirm that the ride has been completed and process payment through the app.

View Ride History

Actors: Passenger, Driver

Description: Allows users to view their ride history, including details such as ride date, time, location, and payment information.

Stakeholder

Role/Name	Expectations
Investor	Regular Updates, Involvment in decision making, ROI!
Passenger	A user who is seeking a ride through the RideShare app.
Driver	A user who is offering a ride through the RideShare app.
Payment Processor	A third-party system that handles payment transactions for rides booked through the app.
Developers	Advise executives on which features are feasible and how long each would take to build, give technical insights.

Quality Goals

Priority	Quality	Motivation
1	Usability	Userfriendly experience leads to higher user counts, essential for the app and for higher revenue.
2	Security	Payment services handle sensitive information, therefore a safe environment is required.
3	Availability	Easy scalability for peak times, therefore efficient use of infrastructure resources for cost reduction.