



Human Decision Making on Boarding Public Transport

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Project Aim

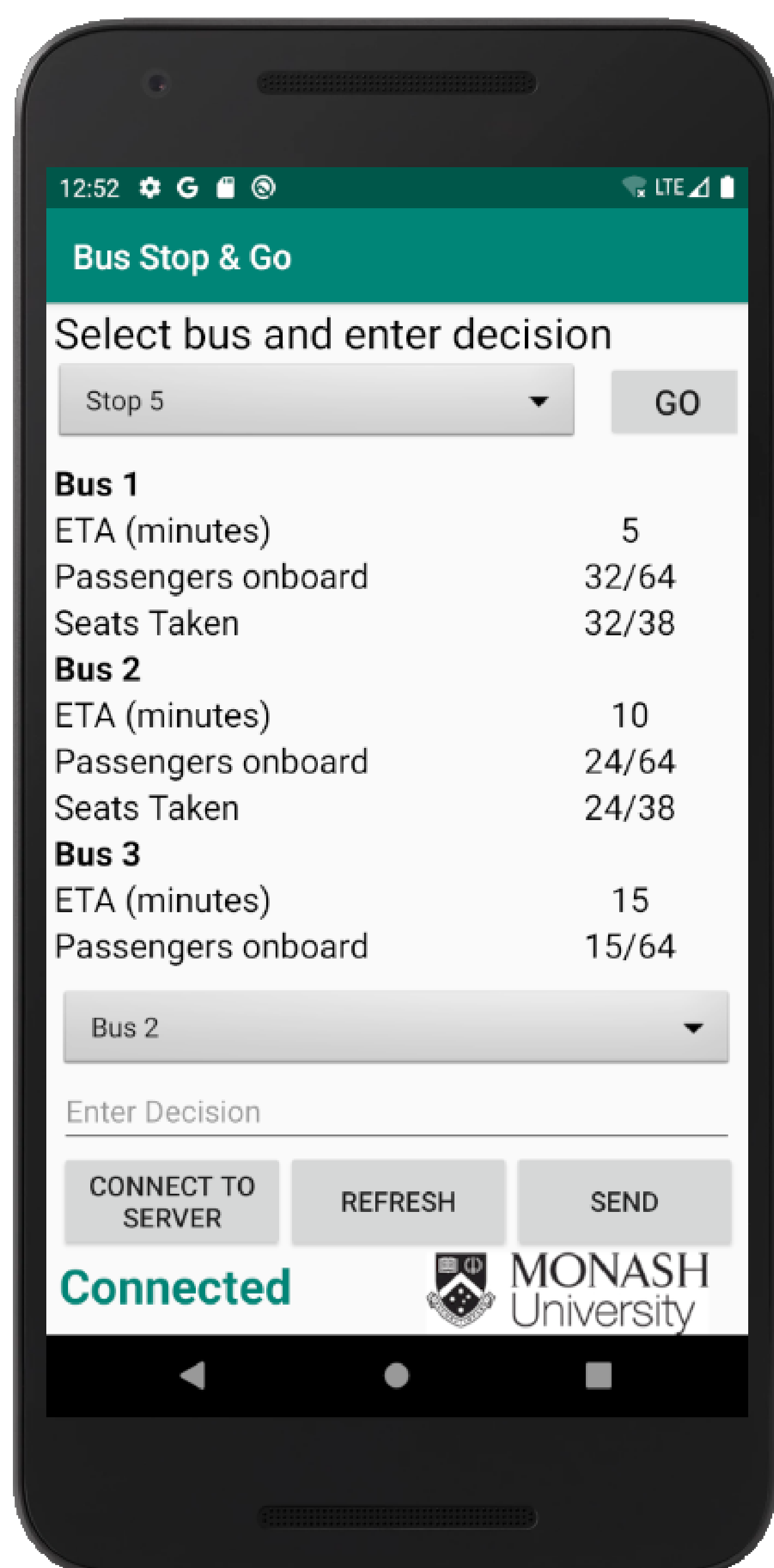
Design and develop a human-in-the-loop simulation platform, based on SUMO, for gathering data on human decision making when boarding public transport.

Server/Simulation

The simulation developed in this project is developed on the open source, continuous traffic simulation software SUMO. It is run from a python script that acts as the server, receiving information from the simulation and sending it to the application.

Server Connectivity

The application developed in this project uses a TCP socket connection to connect to the server running the bus simulation that is also developed in this project.



The app allows the user to select a bus stop in the route and view the buses arriving to that stop

The app displays key details for each bus arriving to the stop selected by the user. These details can allow the user to make a decision on which bus to take

The app allows the user to select a bus, and provide a reasoning behind their decision

Buttons to interact with the app

Status bar to show whether the app is connected to the server