

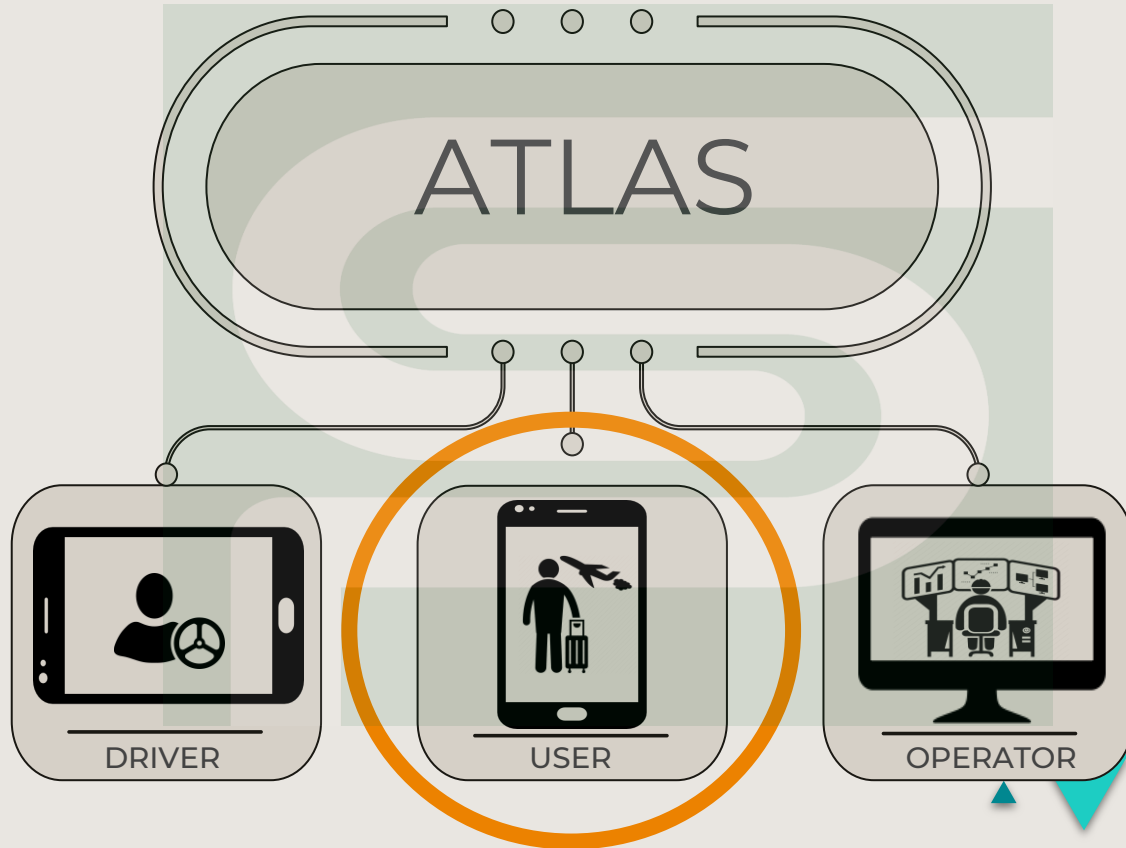


Development of a Mobile Application for Advanced Traveler Assistance System

ENGR. JENSKIE JERLIN I. HABAN
GRADUATE STUDENT RESEARCHER



Advanced Traveler Assistance System



ATLAS User

Provide passengers real-time information regarding:

- mode of travel
- planned routes
- travel times for land, air-based and sea-based transportation.



METHODOLOGY

DATASOURCES

Pull data from the internet
(Bus/Flights/Sea Travel
Schedules)



DATABASE

Data sources will be stored in
their corresponding database



INGEST LAYER

Gathers data and imports it into
the data processing systems.



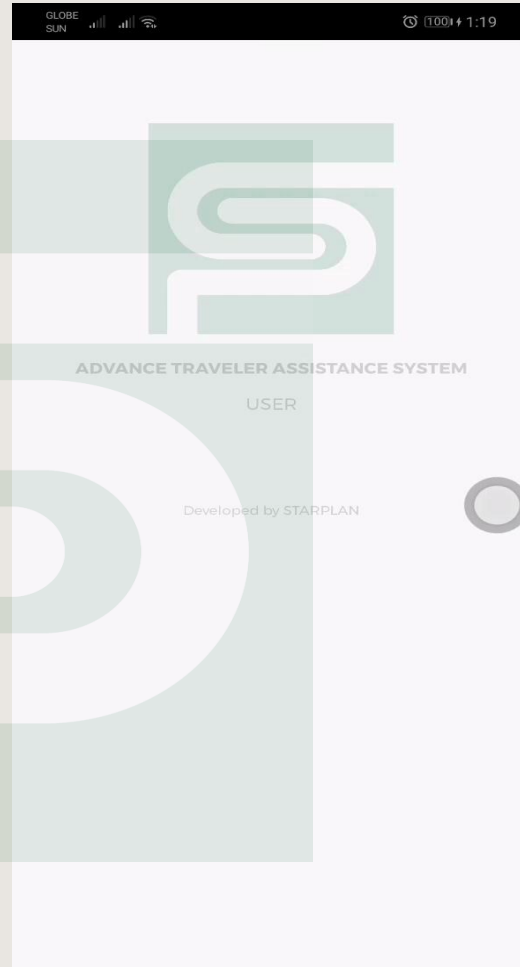
DATA VISUALIZATION

Mobile application (ATLAS User)



APPLICATION FEATURES

- Google Sign-in
- Phone Authentication
- Route Suggestion
- Bus Schedule
- Flight Schedule
- Sea Travel Schedule



Demo

FEATURES UNDER DEVELOPMENT

- Air and Sea Based Schedule (connected to the website)
- Route and Transportation suggestion

A screenshot of a flight schedule application. At the top, there is a search bar and two tabs: 'ARRIVALS' (selected) and 'DEPARTURES'. Below the tabs is a list of flight entries. Each entry includes a time, an airline logo, a flight number, a destination, and a status. The status icons are: a yellow checkmark for 'Expected', a red 'X' for 'Canceled', and a red checkmark for 'Check-In'. At the bottom, there are three tabs: 'YESTERDAY', 'TODAY' (selected), and 'TOMORROW'.

Time	Airline	Flight No.	Origin	Destination	Status
18:20	AIRJUAN	OA 7001	Silay	Expected	
10:20	KALIBO	KG 3821	Kalibo	Canceled	
02:20	AIRJUAN	XE 5202	Silay	Expected	
12:20	KALIBO	SI 0606	Kalibo	Check-In	
07:20	AIRSWIFT	CJ 5662	Cabatuan	ILO	
13:20	Philippine Airlines	MG 2486	Cabatuan	ILO	
12:20	AIRJUAN	UI 5442	San Jose de Buenavista	EUQ	
03:20	Philippine Pacific	TT 3322	Bacolod	Check-In	

Figure 1.0 – Flights

A screenshot of a sea travel schedule application. At the top, there is a search bar and two tabs: 'ARRIVALS' and 'DEPARTURES' (selected). Below the tabs is a list of travel entries. Each entry includes a time, a logo, a destination, and a status. The status icons are: a red checkmark for 'Check-In', a yellow checkmark for 'Expected', and a red 'X' for 'Canceled'. At the bottom, there are three tabs: 'YESTERDAY', 'TODAY' (selected), and 'TOMORROW'.

Time	Logo	Destination	Status
07:31	KALIBO	Kalibo	Check-In
04:31	KALIBO	Bacolod	Canceled
23:31	AIRSWIFT	San Jose de Buenavista	EUQ
06:31	KALIBO	San Jose de Buenavista	EUQ
11:31	AIRJUAN	Kalibo	Expected
14:31	Philippine Airlines	Cabatuan	ILO
23:31	Philippine Airlines	Kalibo	Expected
06:31	KALIBO	Roxas	Canceled

Figure 1.1 – Sea Travel

WHAT WE NEED

- Additional information system to get sea-based travel schedules
- Partnership with bus companies



THE TEAM



Elmer P. Dadios, PhD



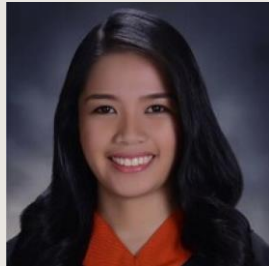
Alexis Fillone, PhD



Robert Kerwin Billones,
PhD



John Carlo Puno,
MSECE



Allysa Kate Brillantes,
MSECE



Marielet Guillermo,
MIT



Jenskier Jerlin Haban,
ECE



Immanuel Jose Valencia,
ECE



LETS TALK!



ADDRESS De La Salle University, 2401 Taft Avenue, Malate, Manila

EMAIL jenskie_haban@dlsu.edu.ph / starplan.2020@gmail.com

WEBSITE starplan.com.ph



THANKS!

