iShareARide: Taxi Sharing Via GPS

(Powered by Google Maps API)

User's Manual

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ABSTRACT

This capstone research project look at the problem of the passengers of the taxi in Davao City and investigates what are the main or usually problem during the ride. It shows the problem is passenger trick the route and cause of expensive fare.The researchers are considering about how to help taxi passengers. A way to do is to create mobile application because most of people have their own smartphone. They can easily install application into their mobile and go. It serves everything that passengers need when they use taxi service. This app will aim to help passenger save money, able to share their fare and passengers can view their route.The researcher was conducted through a questionnaire distribution to survey the people who use a taxi for their travel and collect data for the study.

TABLE OF CONTENTS

Title Page i
Abstract ii
Table of Contents iii
Minimum Requirements 1
Getting Started 2
Search Destination 3
Create a ride 7
Modify a ride 10
Profile Activity 17
Usage (Mobile Application) 11
3.1 Driver 12

MINIMUM REQUIREMENTS

Software Requirements	
Operating System	Windows 10 Home x64-bit
Database	Microsoft SQL Server 2014
.Net Framework	.NET 3.5 SP1
IDE (Integrated Development Environment	Visual Studio Xamarin(Xamarin.Android), Microsoft SQL Server Management Studio, SQL Manager Lite for SQL Serve
Programming language	C#
Server	Windows Server 2014 Standard 64-bit

Hardware Requirements		
Factors	**Minimum**	**Recommended**
Processor	32-bit ARMv7, MIPS or x86 architecture processor	Higher
Memory	512 MB RAM	1 GB of RAM or higher
Operating system	Android 5.0 (Lollipop)	Android 5.0 to High Version
Internet	Mobile Data (not free data	Wi-Fihigher

GETTING STARTED

How to install and access the **iShareARide**?

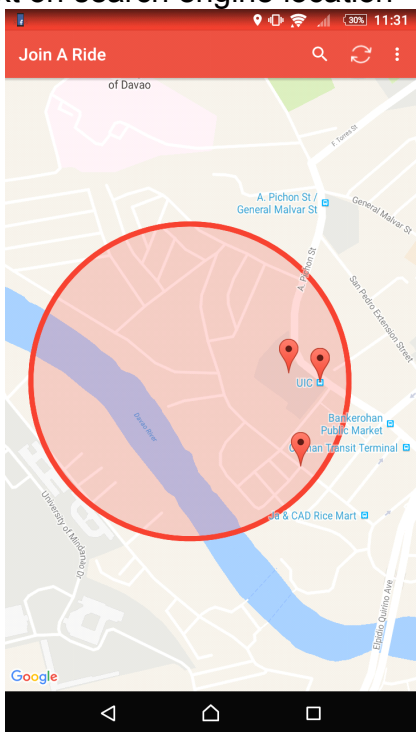
iShareARide: Taxi Sharinf Via GPS (Powered by Google Maps API) is mobile based. The mobile application provides access for the passengers.

1. Install APK iShareARide on android phone
2. Open the application installed
3. Login through Facebook account

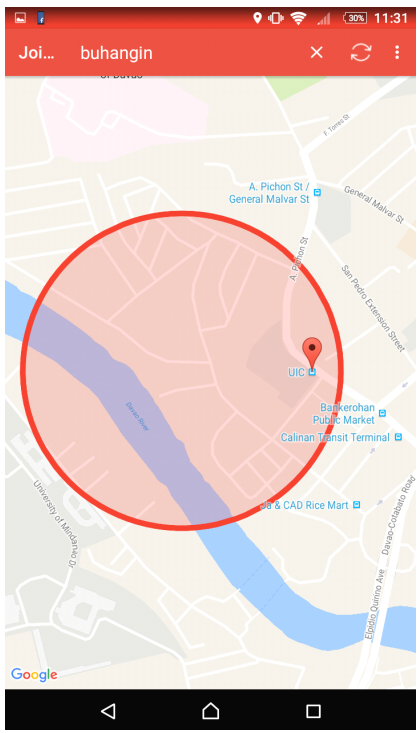
Search Destination

To join the ride and to search the same destination

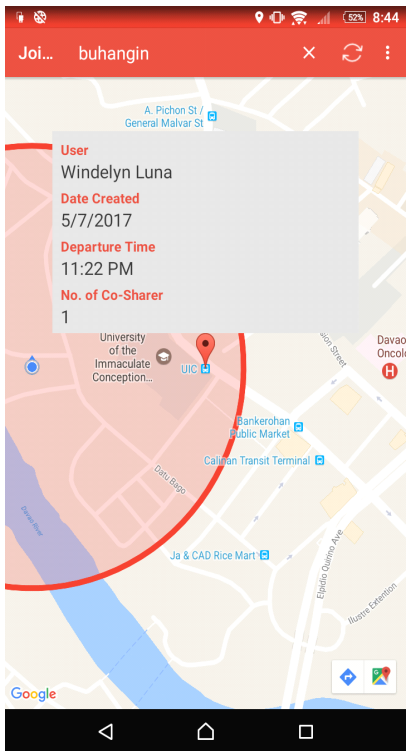
Step 1: Input text on search engine location



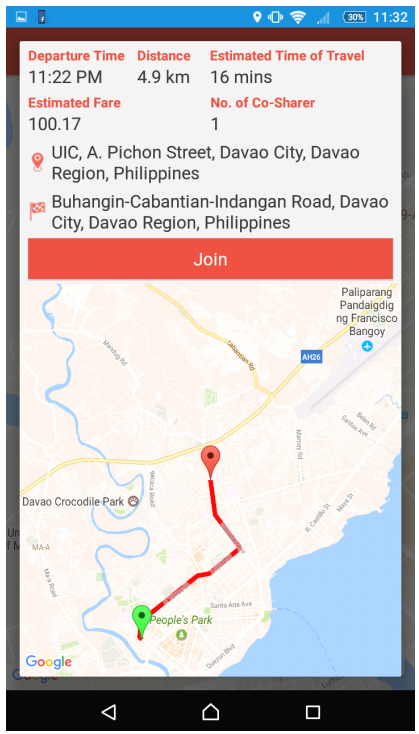
Then the destination search will be displayed



Step 2 : Tap the location pin and click the info window



Step 3 : Click the join button

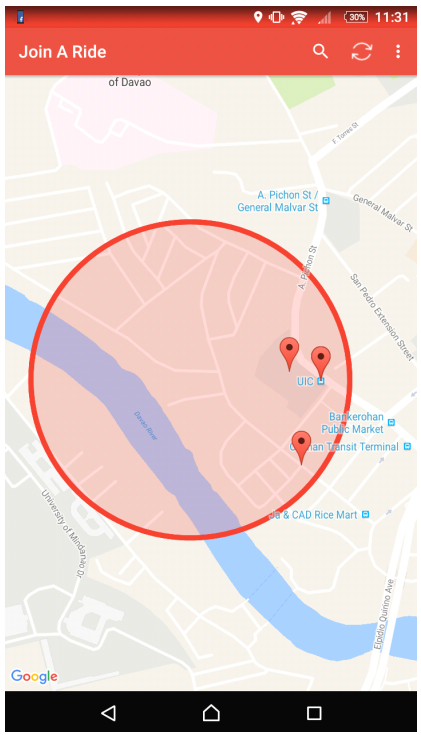


Note : *The user cannot join multiple rides and the user cannot create a ride if a ride is existing.*

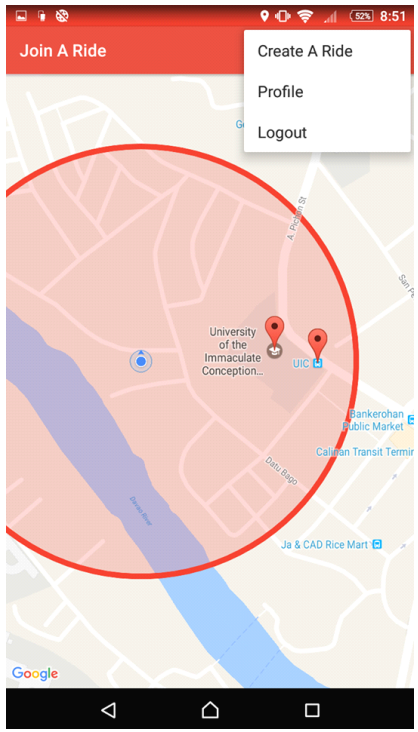
Create a Ride

How to create a ride

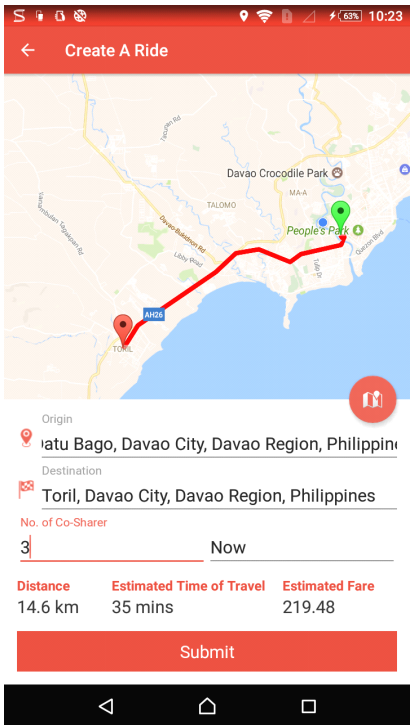
Step 1 : On join ride screen click the toolbar icon



Step 2 : Choose the create a ride on the menu



Step 3 : Input text on ride information fields and click "Submit".

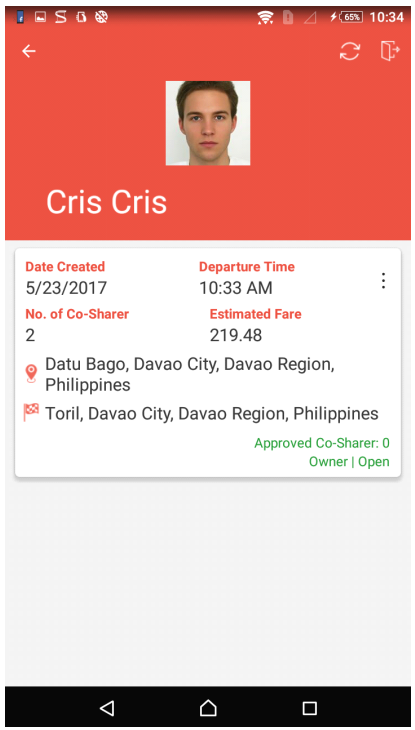


Note : *The user is not allowed to create multiple ride and is not allowed to join a ride if one ride is existing. Only 1-3 number of co-sharer is accepted.*

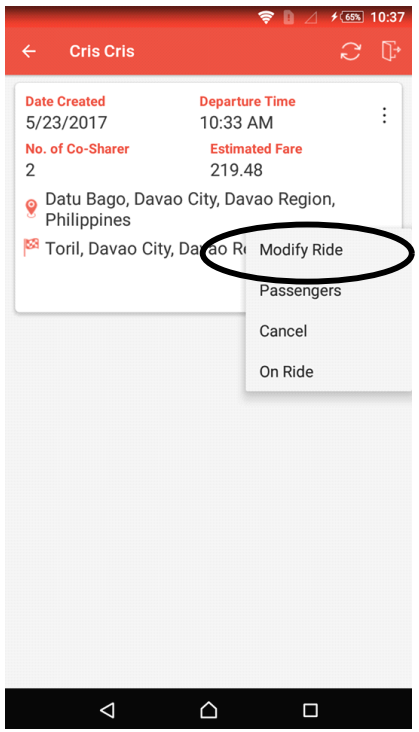
Modify a Ride

To change ride details

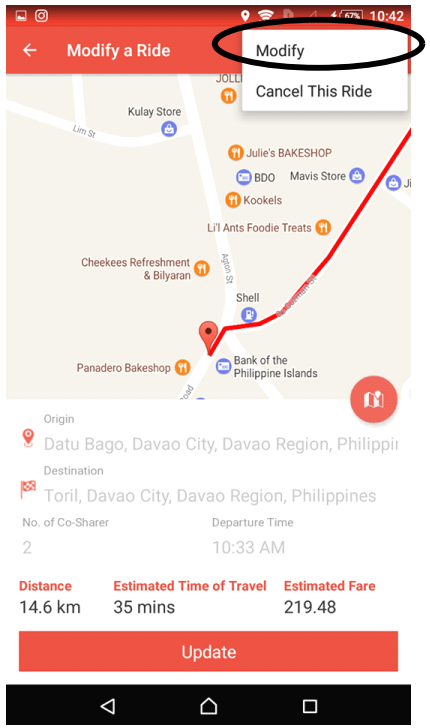
Step 1 : Click the toolbar icon on ride logs



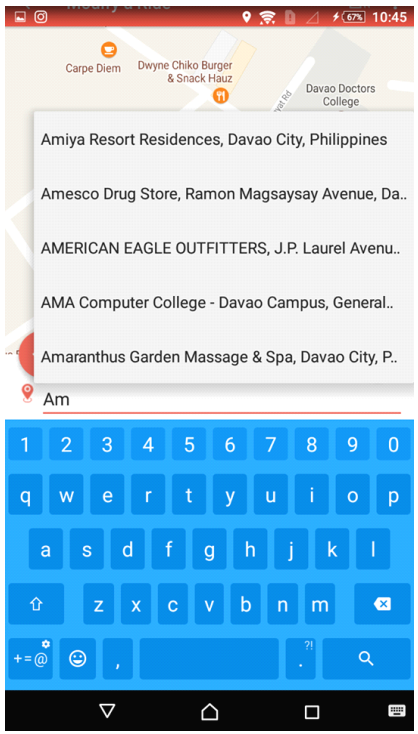
Step 2 : Choose "Modify Ride"



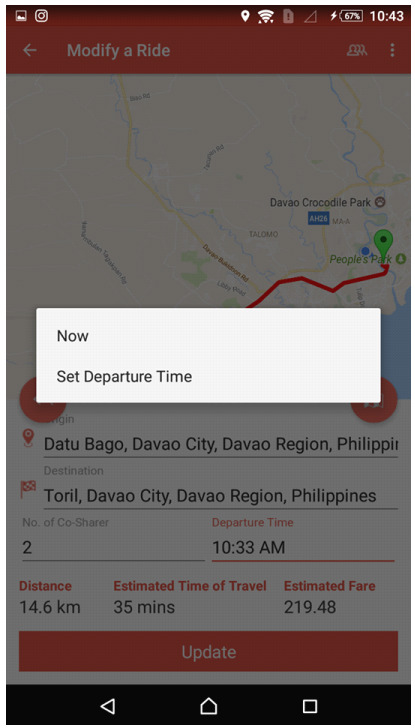
Step 3 : Click the toolbar icon then choose "Modify"

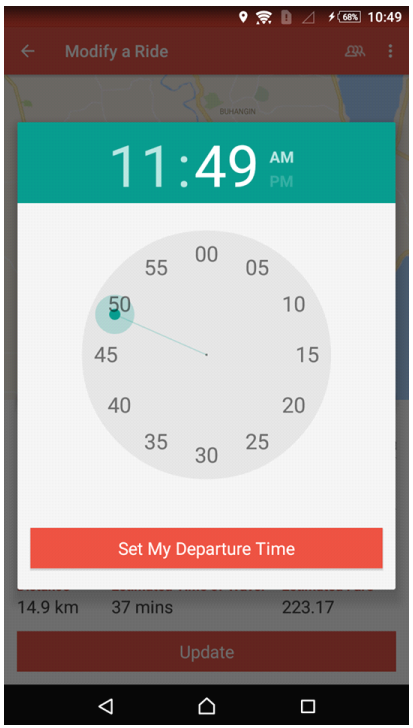


Step 4 : Input text on ride information fields

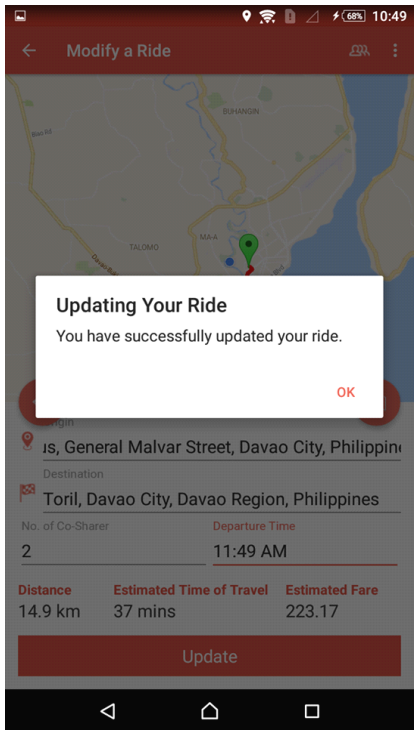


Step 5: Long press "Departure Time" and set on present or future time





Step 6: Click "Update" button then click "ok " to finish the action.



Note : *User is not allowed to change the ride details if already accepted by the pending users. User cannot update the ride if the departure time is not set on present or future.*

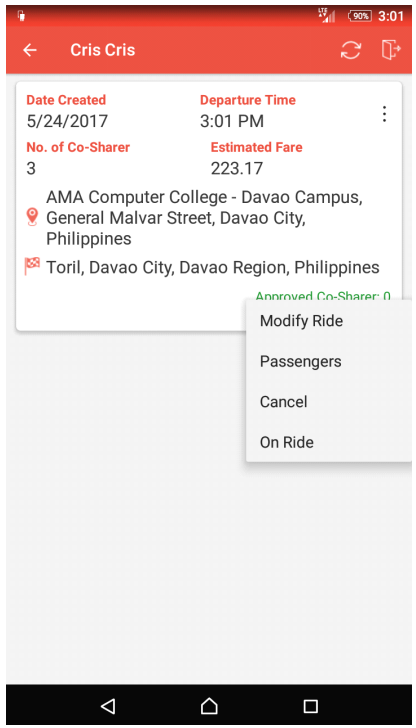
Profile Activity

Profile activity has many actions to execute: Cancel, to cancel the ride; Delete to delete the ride logs; On ride if the ride is on travel and ride complete if the ride is completed.

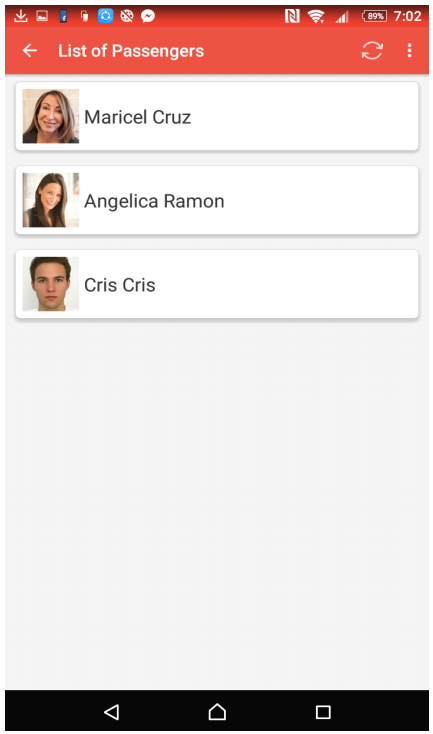
Step 1 : Click the toolbar icon on join a ride screen And choose "Profile"

Step 2 : User can view the list of passenger.

Able to accept or decline.

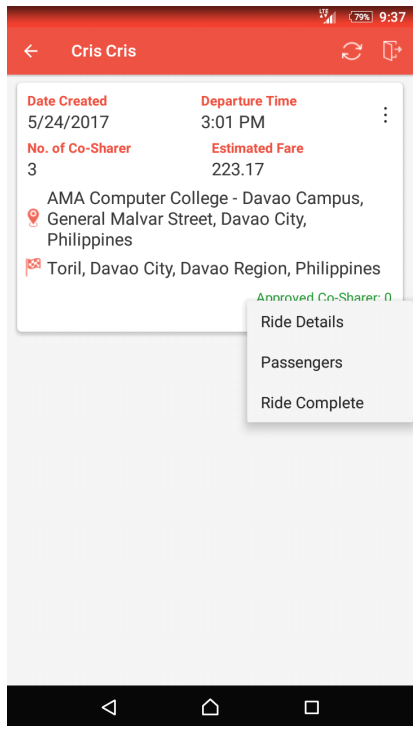


List of passengers



Step 2 : Choose "on ride" in the menu if the ride is on travel.

Step 3 : If the duration time of travel is done then choose "Ride Complete" to finish the ride and able to create or join a ride.



***Note**: Only the creator of the ride can authorize these actions.*