

Project Description

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Abstract

Fleet of Delivery and Pick-Up Vehicle Management System

1 Input

- Will need pick and drop-off locations, using a mapping system.
 - User Login Details
 - Driver Interaction (delivery/pick-up confirmation).
 - Package Description (Weight, size, fragility etc).
 - Package Priority (Classified, High priority, low priority)

2 Output

- Generated route for package together with live update of current location of delivery vehicle(GPS Style).
 - Pricing of delivery.
- *Description of project*
 - Name of Company is *CourierJZ*, responsible for delivery of parcels from beginning point and destination.
 - Delivery can be any shape and size, it just has to be stated prior and customers have until 10:00am to book for the current day.
 - Driver and customer real time interaction/communication is very vital for efficiency and simple work flow.
 - Driver transparency, Generated route for package together with live update of current location of delivery vehicle(Uber Style).
 - Constant confirmation to customer of parcel status (from initial pick up location, en route and delivered).
- *Front – end tasks*
 - Customer login ins
 - Pick up and destination locations, parcel specifications(size, shape , fragility, parcel priority etc)
 - Mapping system for the vehicles and route calculations.
 - Parcel status(Delivered, on the way, picked up from initial locations etc) and driver status(busy , free , en-route etc).
 - Driver and Customer chat-box for simplicity and delivery efficiency
 - Customer and driver personal details for security.
 - Payment options(cash, card, eft etc).
- *Back – end tasks*
 - Customer authentications and authorizations
 - Database management and maintenance.
 - Input validations and verifications.

3 Task Description

3.1 Nyawasedza Marevhula

:Database architecture, database management and maintenance.

3.2 Ngwato Magabotsa

: Graphical User Interface, App design flow (how user will navigate through App).

3.3 Itumeleng Malalane and Litha Mguzuli

: Connecting front end with back end, User inputs, verification of input with database, validation handling, Using a map or/and mapping API.