**Software Requirements**

**TaxiApp**

**Company: TaxiApp**

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**1. Introduction**

**1.1 Purpose**

TaxiApp is a ride-hailing company that offers the TaxiApp mobile app, which you can use to submit a trip request that is automatically sent to an TaxiApp driver near to you, alerting the driver to your location. The accepting TaxiApp driver will then come and pick you up and drive you to your requested destination. The TaxiApp app automatically figures out the navigational route for the driver, calculates the distance and fare.

**1.2 Intended Audience**

For customers who need a taxi, as soon as possible by checking which taxi is closest.

The application is also used by drivers, drivers have the opportunity to gain new customers in an easier way.

**1.3 Intended Use**

The software we think to build is for "Taxi App" ,In order to get a ride, you had to be near a bus or metro line at the right time or be in an area where a taxi was available. This could make things challenging for those who live in areas without a lot of public transportation. With "Taxi App" you can now get a ride anywhere, at any time.

**1.4 Scope**

#### Uber Objectives:

#### TaxiApp’s key focus is to provide dependable and readily available transportation service

#### TaxiApp’s goal is to continually expand globally and bring its services to different cities to allow riders and drivers to connect.

#### To eliminate private car ownership.

#### TaxiApp’s mission is to reimagine the way the world moves for the better. Essentially, TaxiApp aims to provide people with greater access to transportation. The mission at TaxiApp involves creating opportunities by making transportation more accessible. TaxiApp’s mission is to reimagine the way the world moves for the better.Essentially, TaxiApp aims to provide people with greater access to transportation. The mission at Taxi involves creating opportunities by making transportation more accessible.

**2. Overall Description**

Describe what you are building and for who.

**2.1 User Needs**

TaxiApp is a platform where those who drive can connect with riders. In cities where TaxiApp is available, you can use the TaxiApp app to request a ride. When a nearby driver accepts your request, the app displays an estimated time of arrival for the driver heading to your pickup location.

**2.2 Assumptions and Dependencies**

the problems that are supposed to occur can be:

* false data of driver or customer
* problems with payments
* problems with cars

**3. System Features and Requirements**

**3.1 Functional Requirements**

**a) Functional requirements from the driver’s perspective:**

* the driver should be able to match with a nearby customer with his current geolocation.
* drivers should be able to share the expected time of arrival with the customer.
* the driver should be able to end and start the trip.
* the driver should be able to see all his past ride history.

**b) Functional requirements from the customer’s perspective:**

* customers should be able to see nearby available cars.
* customers should be able to share geolocation.
* customers should be able to see all their pass ride history.
* customers should be able to write reviews for the driver.

**3.3 System Features**

* The software must have drivers and clients,
* drivers must have a driver's license and a car,
* drivers and users need to be online while driving
* drivers must have limited hours of work