**Information:**

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**1. User Requirement Specification**

**1.1 Guest Requirement**

* Login with phone number
* Login with facebook

**1.2 Member Requirement**

**1.2.1 Customer Requirement**

* View personal information
* Edit personal information
* Create order
* Cancel order
* Rate driver
* Logout

**1.2.2 Driver Requirement**

* Get notified when new order is assigned to
* Get notified when order is canceled
* Send notification to customer upon arrival
* Update order status
* Send notification when ready for other order
* Logout

**1.2.3 Driver Requirement**

* Get notified when new order arrived
* Accept order
* Assigned order
* Update order status
* View list accounts
* Logout

**2. System Requirement Specification**

**2.1 External Interface Requirement**

**2.1.1 User Interface**

Web:

* Can only be access by manager of our company.
* Web application, so it’s must be dynamic and interactive.
* Simple and clear, so new manager can be able to learn how to use as fast as possible.
* Process includes: Accept Order, assign order to driver, confirm order have been completed.

App:

* For user:
* Can be access by everyone that have account (sign up via phone number or facebook)
* Main function is book driver, and it must attract user attention first when they open app.
* Process includes: Enter/Scan current location, enter destination, confirm order, get notification when driver arrive, rate driver when order have been complete (optimal).
* For driver:
* Can only be access by our company driver/partner.
* Map must be clear for driver can see while driving.
* Process includes: Get notification when new order is assigned, confirm you have arrive the pickup point, confirm you have complete driver.

**2.1.2 Software Interface**

Web:

* Browser: Google Chrome version 78 or above

App:

* Android OS: Version 4 or above

**2.1.4 Communication Protocol**

* Use HTTP protocol 1.1 for communication between the web browser and the web server.

**2.2 System Overview Use Case**



**3. Software System Attribute**

**3.1 Usability**

* Support :

Web: Browser: Google Chrome version 78 or above

App: Android OS: Version 4 or above

* Average time a user needs to perform individual actions:3-14s

**3.2 Reliability**

* System can continue to operate under predefined conditions (inaccessibility of external elements such as databases, systems, and network connections)

**3.3 Availability**

* 3 hours for user to report bugs.
* 3-7 days for fixing bugs.
* 3-5 hours downtime to update.

**3.4 Security**

* User enumeration
* Open direct
* JSON Web Token (JWT)
* Sql injection
* Cross-site request forgery
* Command execution
* Reflected xss
* Restrictions of user access in accordance with authentication/authorization.
* secure connection

View more detail: <https://www.hacksplaining.com/lessons>.

**3.5 Maintainability**

* Using 3 layer architecture for back-end design
* Using Vuejs for front-end design
* Using MVP for android mobile project

**3.6 Portability**

**3.7 Performance**

* Maximum User at one time:2000
* App loading time: 2-4s
* Method execution time:0.2-4s