

## **UML DIAGRAMS & TABLE DESIGN – MOBILE REPAIR MANAGEMENT**

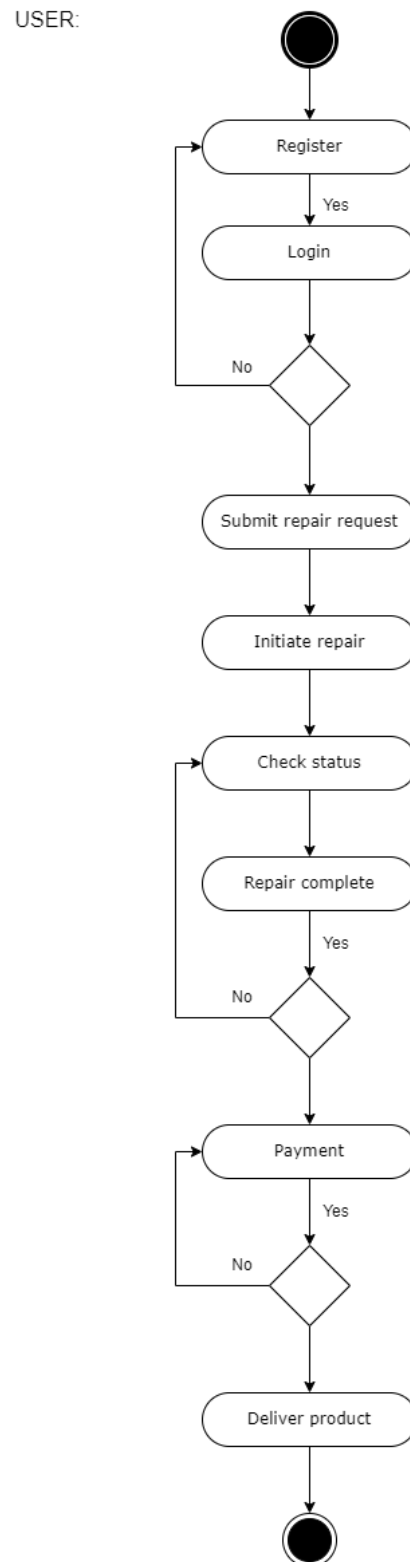
Submitted by:

Kevin Liza Alex

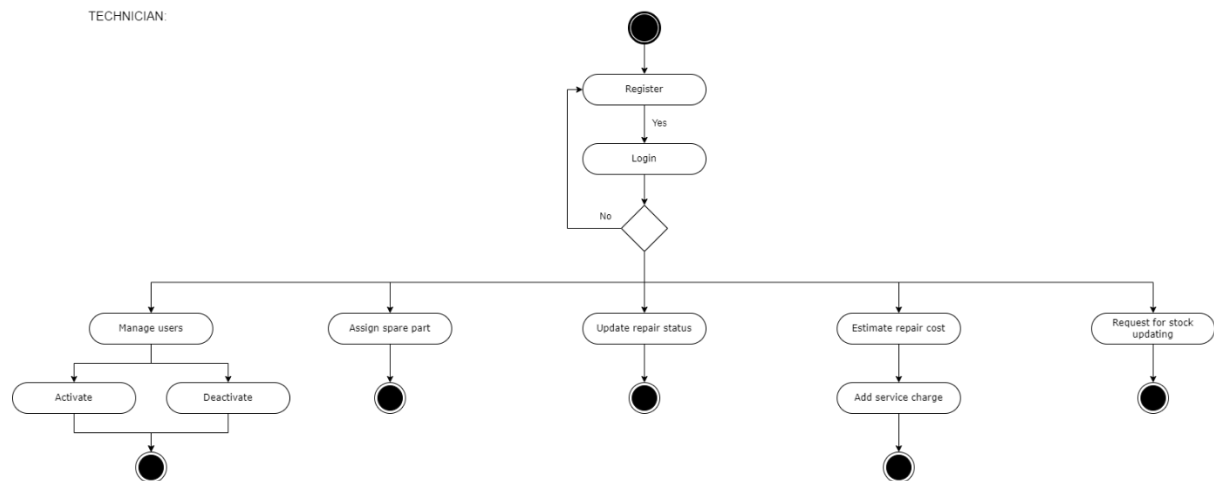
INMCA S10, 25

## UML DIAGRAMS

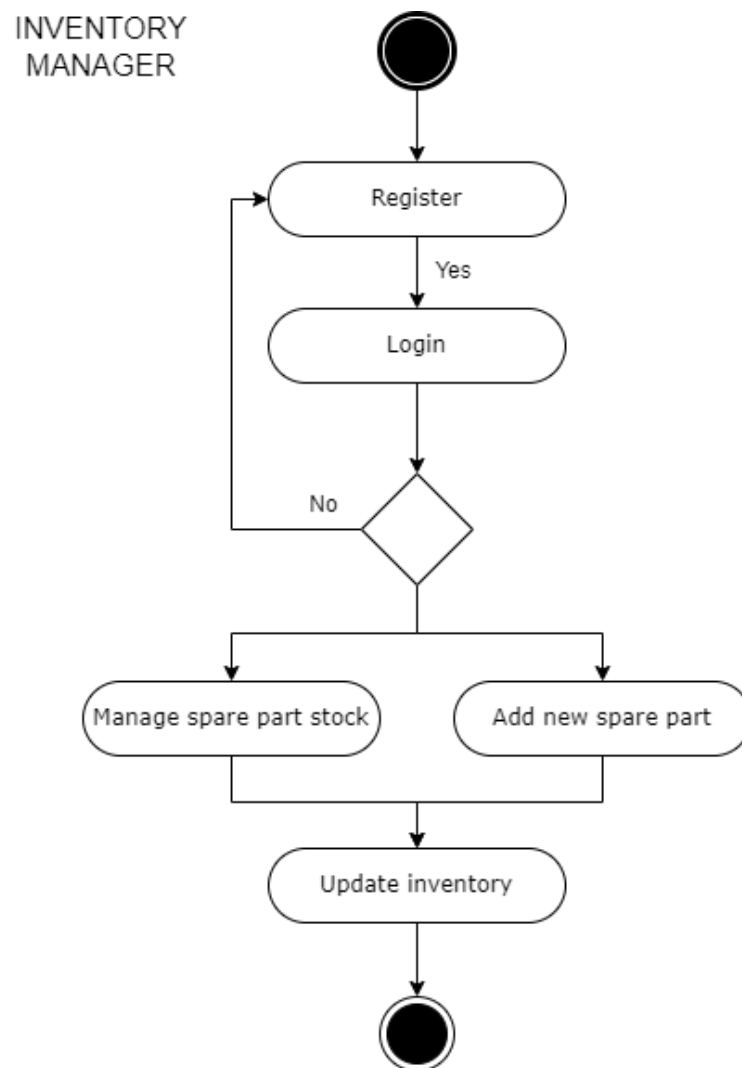
- Activity Diagram (User)



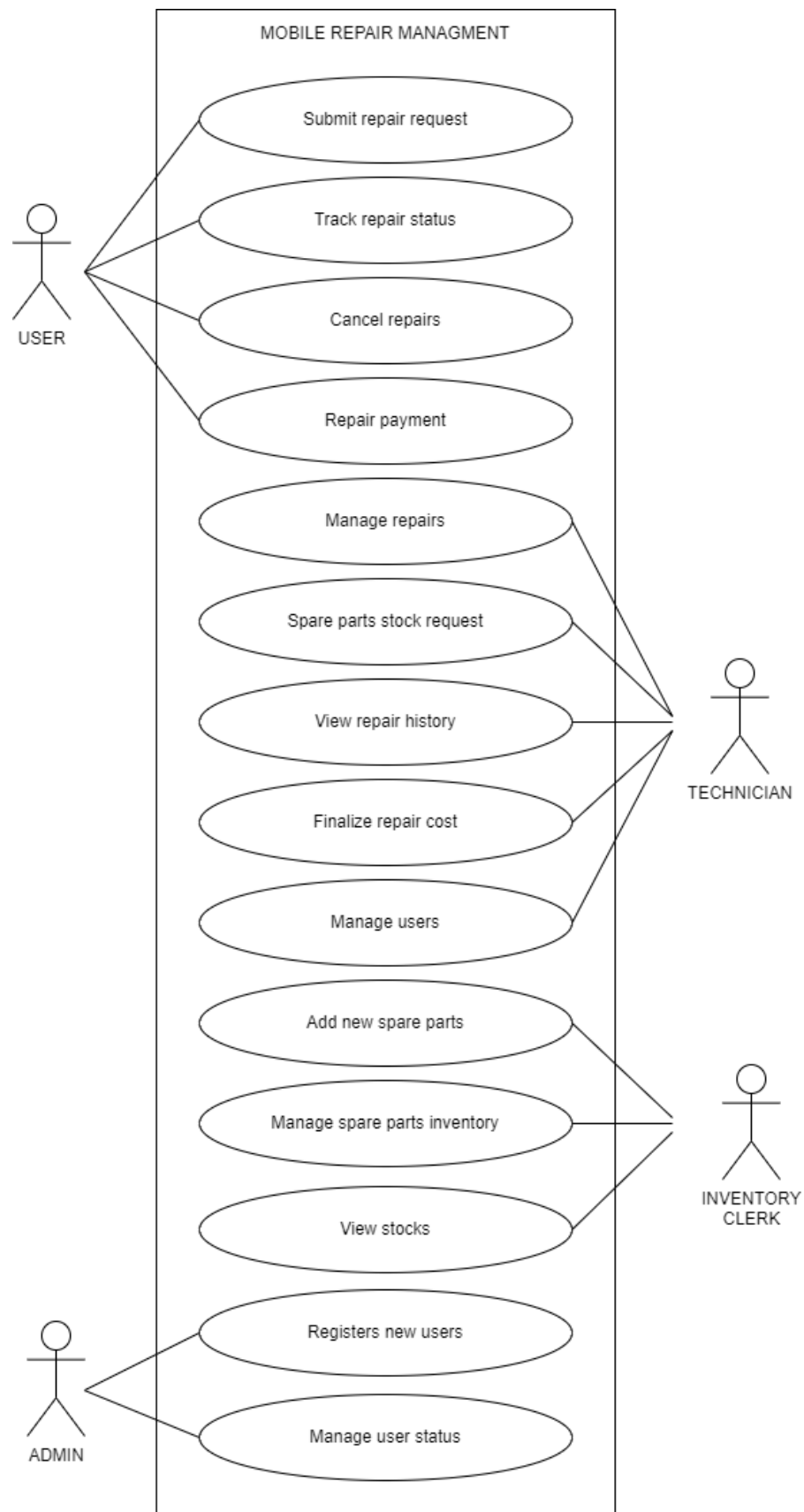
- Activity Diagram (Technician)



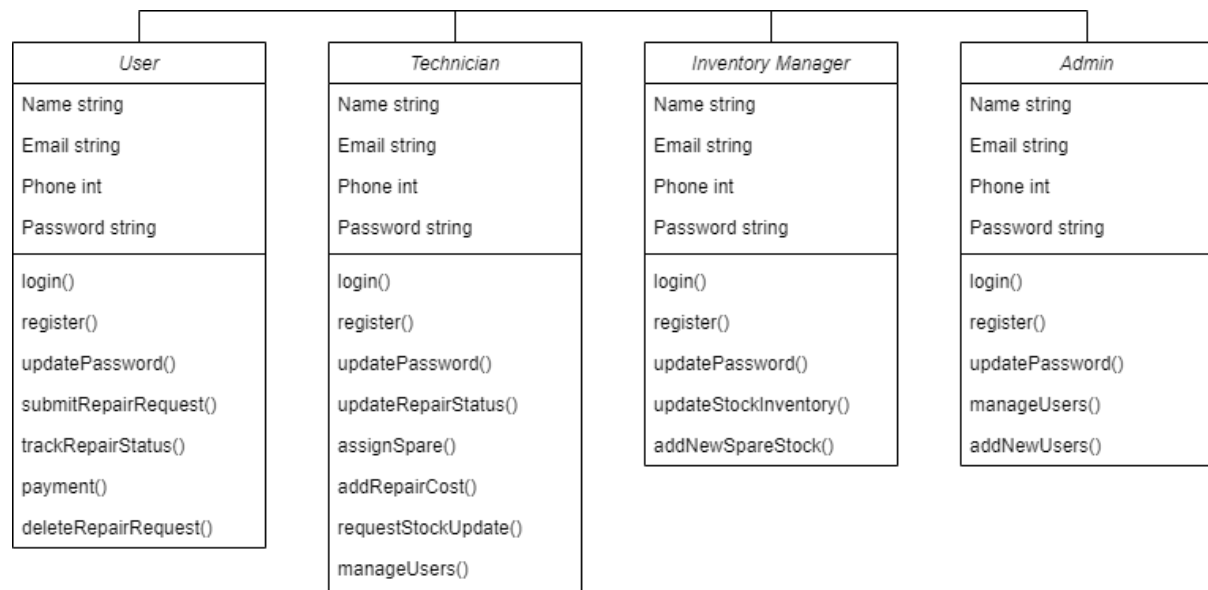
- Activity Diagram (Inventory Manager)



- Use Case Diagram



- Class Diagram



## TABLE DESIGN

- tbl\_user: To store user registration information.

Fieldname	Datatype	Size	Description
id	integer	11	Primary key
name	varchar	20	Name of user
email	varchar	20	Email of user
phone	bigint	10	Phone number of user
password	varchar	1000	Password
status	integer	1	Status

- tbl\_spares: To store spare parts details.

Fieldname	Datatype	Size	Description
id	integer	11	Primary key
category	varchar	20	Name of repair category
brand	varchar	30	Mobile brand name
model	varchar	30	Mobile model name
price	integer	11	Price of the spare
quantity	integer	11	Stocked spare count
requirement	integer	11	Required spare count
status	integer	1	State

- tbl\_repairdetails: To store repair infromations.

Fieldname	Datatype	Size	Description
id	integer	11	Primary key
username	varchar	20	Name of user
useremail	varchar	20	Email of user
userphone	bigint	10	Phone number of user
repairtype	varchar	1000	Password
brand	integer	1	Mobile phone brand
model	varchar	20	Mobile phone mobile
spare	varchar	200	ID of spare part used
imei	bigint	20	Mobile IMEI number
rate	integer	10	Repair cost
payment_status	integer	11	Status of payment
addressline1	varchar	50	Address line 1
addressline2	varchar	50	Address line 2
city	varchar	20	Name of city

state	varchar	20	Name of State
zip	integer	10	Zip code
country	varchar	20	Name of country
date	varchar	50	Drop date
rstate	integer	1	Repair state
state	integer	1	State