PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science

DRIFT STORE
(CAR DEALERSHIP)

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Project Guide
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1. Introduction

- In Drift Store user gets to buy or sell vehicle of his or her choice.

- All the credentials of user will be kept safe and secure.

Problem Identified :

- People find a lot of issues in selling there 2nd hand vehicles.

- Issues related to car , paperwork and money transfer.

Solution Proposed :

➢ This a platform on which user can Buy/Sell their second hand vehicles easily.

➢ All the vehicles will be thoroughly checked by a certified mechanic

➢ All paperwork can be done online which is feasible for both the parties.

➢ Transaction details can be saved on google drive for future reference.

2. Scope

- Can be applied in automobile domain.

- Can be applied in various car showrooms.

- Can be useful to people who want to sell their cars.

- Can be useful to people who want to buy authentic second hand Cars.

- Can be useful to people as the paperwork would be done online providing feasibility to both the buyer and seller.

- Can help people to get authentic reviews about the car as it would be checked by a certified mechanic .

3. Objectives

1. To provide users with various options for customising user experience (Using javafx and msql)

2. To provide a platform for fair trade and buyer and seller safety (by using encrypted protocols and hashing wherever possible)

3. To give users various filters for choosing the right vehicles according to their need (using MySql)

4. To build a user oriented and seamless application (Using material ui and javafx)

5. To achieve efficiency (using latest Java apis)

6. To achieve security while saving credentials and user's personal data. (using hashing and encryption in MySql)

4. Feature /Functionality

Write all the features & Functionality you are planning to implement

1. Feature 1 : Cloud Database

   • Cloud database removes the need to have a dedicated static ip thus saving on costs

   • Cloud databases are less likely to get attacked as the security is managed by cloud service provider

   • Easy scalability: As the app grows, we can buy more resources as we need rather than investing a large sum in hardware

2. Feature 2 : Easy to use and familiar UI

   • UI will be closely following the design language of Google's Material design

   • Because of similarity to most mobile apps, most users will not take much time to adapt to our app

4. Feature /Functionality

1. Feature 3: Filters

    1. Users can sort and filter vehicles as per their requirement.

    2. By use of filters, only those cars are shown which match the user criteria.

    3. This makes the process of buying vehicles efficient.

2. Feature 4: Easy Selling process

    1. All details of the vehicle are easy to upload.

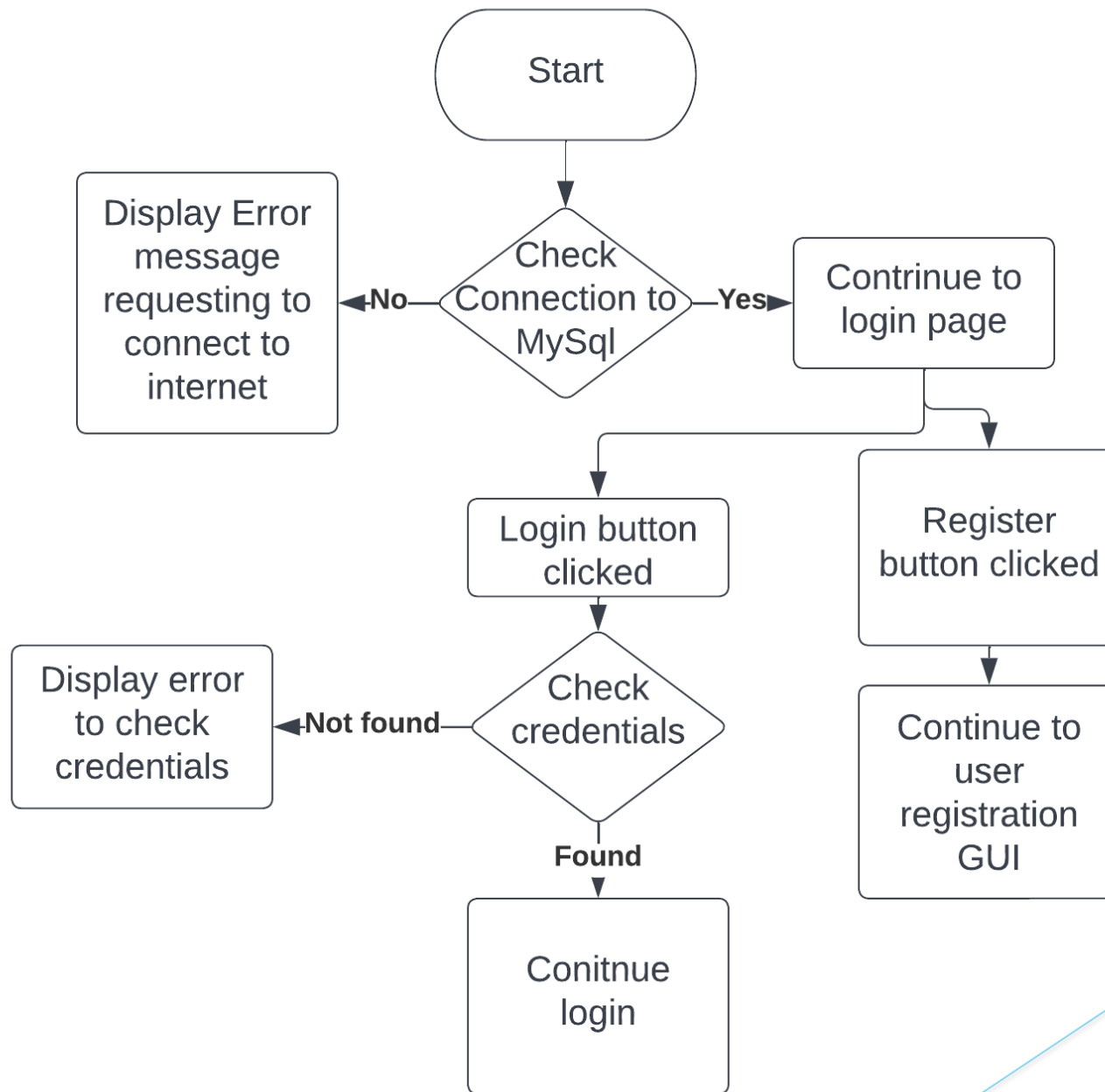   2. Car gets listed on the platform as soon as verification is done.
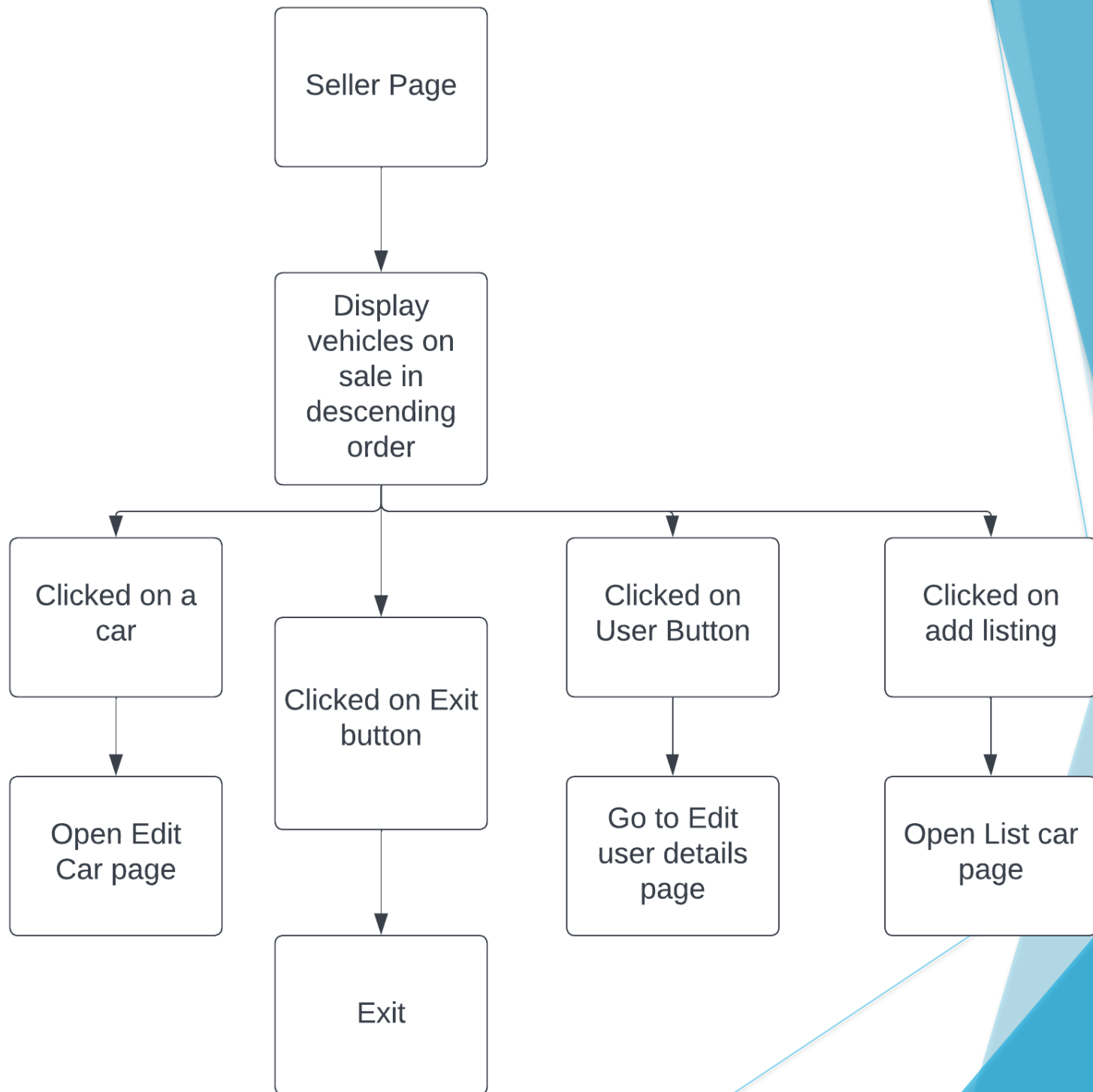
5. Outcome of Project

1. User Can log in Using his credentials .

2. User can Choose between the option of buying or selling a vehicle.

3. After choosing the option the user will be redirected to the respective page .

4. User can choose the vehicle which he wants to buy / sell according to his/her preference with the help of various filters .

5. All the paperwork would be done online to provide feasibility to both the buyer and the seller .

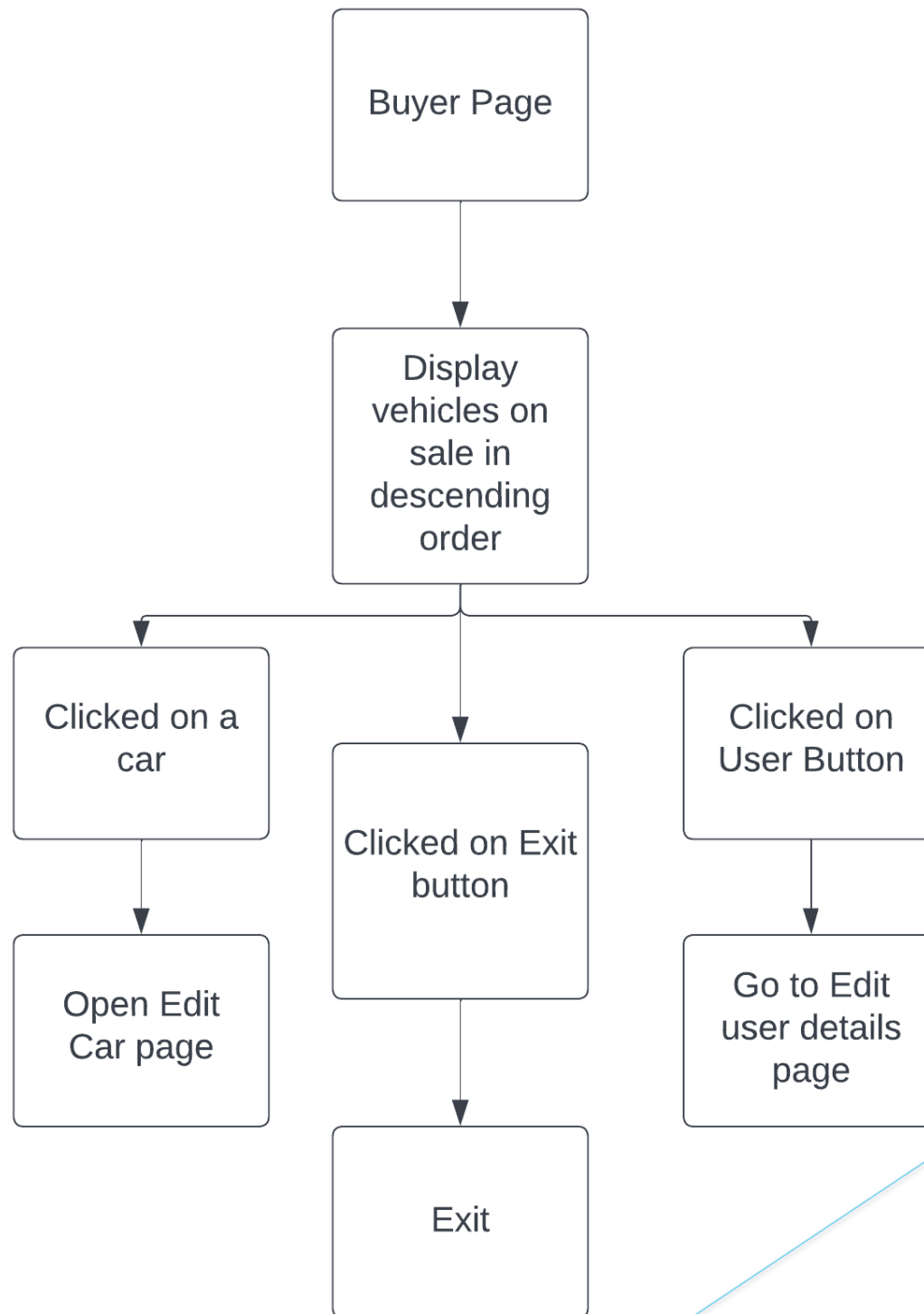6. Provide a usable and stable environment which promotes peace of mind for the user

6. Technology Stack

1. JDK 18

2. JAVA FX (GUI)

3. MySQL (RDS via AWS)

4. Google Drive for storing documents

7. Block Diagram

```mermaid
flowchart TD
    A[Buyer Page] --> B[Display vehicles on sale in descending order]
    B --> C[Clicked on a car]
    B --> D[Clicked on Exit button]
    B --> E[Clicked on User Button]
    C --> F[Open Edit Car page]
    D --> G[Exit]
    E --> H[Go to Edit user details page]
```

Buyer Page

Display vehicles on sale in descending order

Clicked on a car

Clicked on Exit button

Clicked on User Button

Open Edit Car page

Exit

Go to Edit user details page

Thank You...!!