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LOW FIDELITY PROTOTYPE

Emerging IoT in Tracking and Management System

TASK DISTRIBUTION

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- Introduction

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- AWS Architechture
- Low fidelity Mock-ups

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- AWS architecture
- Business flow diagram

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- Detail steps and descriptions

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- Detailed descriptions
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INTRODUCTION

LOW FIDELITY PROTOTYPE

1 PROBLEM BACKGROUND

- E-commerce has become a popular way for people to sell or purchase things.
- The goods will be delivered to their homes by couriers.
- During the transportation of the parcel, many problems may arise such as parcel is damaged in transit.

2 PROPOSED SOLUTION

- IoT-based tracking and management system
- Implement RFID technology and GPS

3 OBJECTIVE

>> To allow the users to track the real-time location of their parcel to avoid losing.

>> To allow the user to check the condition of their parcel.

>> To help the user to choose the most suitable logistic company for them.

>> To make the operation of tracking easier and more concise with a user friendly interface.

>> To simplify the process of assigning parcels to the courier.

4 SCOPE

- Collect the information of the user for login.
- Allow the users to manage their goods with a simple inventory management system.
- Allow the users to book the courier with autogenerated tracking number
- Allow the users to track the real-time location in the map form and condition in picture and text form and rate their experience with courier services.

Detail steps and descriptions

EMPATHY

Developers need to understand the problems met by the user.

DEFINE

Verify the problems faced by users.

IDEATE

Brainstorming to gather different types of opinions and solutions to solve the problem statement.

PROTOTYPE

Determine the most suitable solution and put it into the product.

TEST

Tested by users and gets feedback from them to identify the flaw of our product to improve and enhance our product.

PROBLEMS

- PARCELS BEING DELAYED, DAMAGED OR EVEN MISSING

- COURIER MUST BE HELD RESPONSIBLE FOR THE INCIDENTS

- SOME UNSUSPECTING CUSTOMERS CHOOSE TO CRITICIZE THE SELLER'S POOR SERVICE

- CAUSING THE SELLER'S BUSINESS TO PLUMMET

SOLUTIONS

- IOT-BASED TRACKING AND MANAGEMENT SYSTEM

- LATEST STATUS OF THE PARCEL WILL BE UPDATED EVERY TIME WHEN IT ARRIVES AT A HUB

- RFID TAGS WILL BE ATTACHED ON PARCELS SO THAT REAL-TIME LOCATION AND CONDITION CAN BE TRACKED
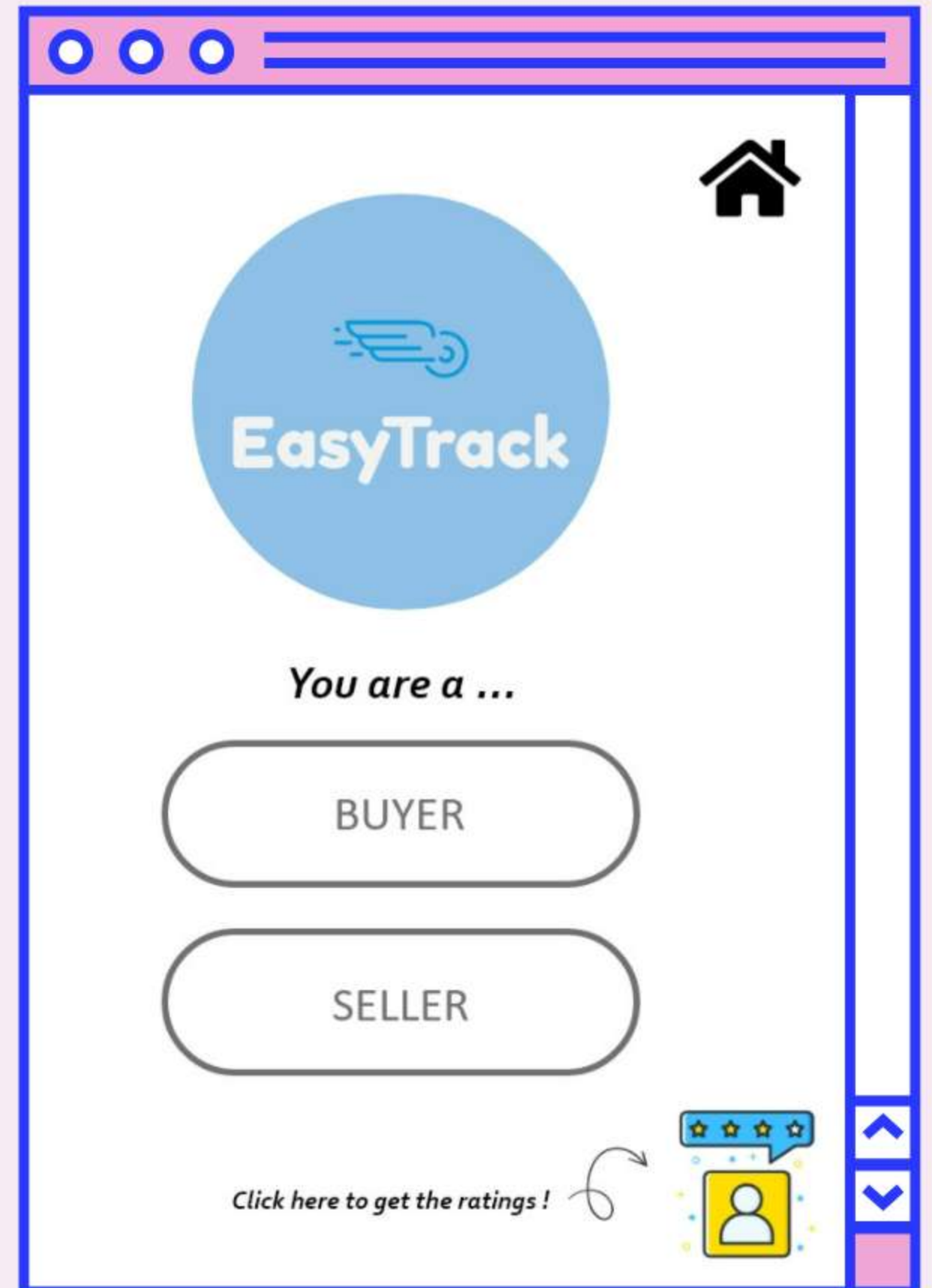
- INTRODUCE RATING SYSTEM

HOME PAGE

EASY TRACK

TWO POTENTIAL CLIENT:

- Buyer
- Seller

ADDITIONAL FEATURE:

- Rating

EasyTrack

You are a ...

BUYER

SELLER

Click here to get the ratings !

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CONCLUSION

Thank you