CARTSHARE

Project-Group 10
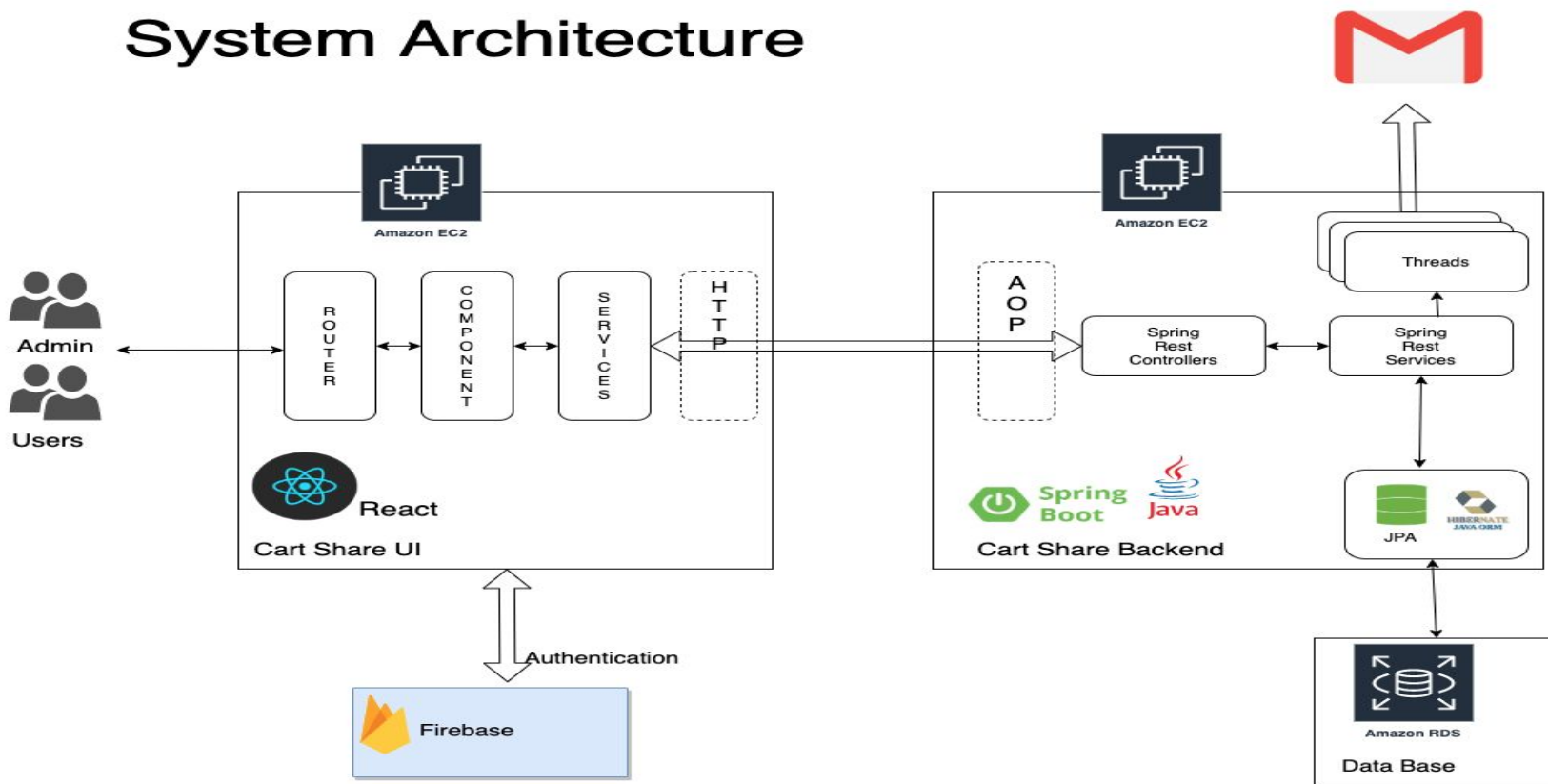
Kowshhal Uppu (014538134)
Vamsi Mundra(014608464)
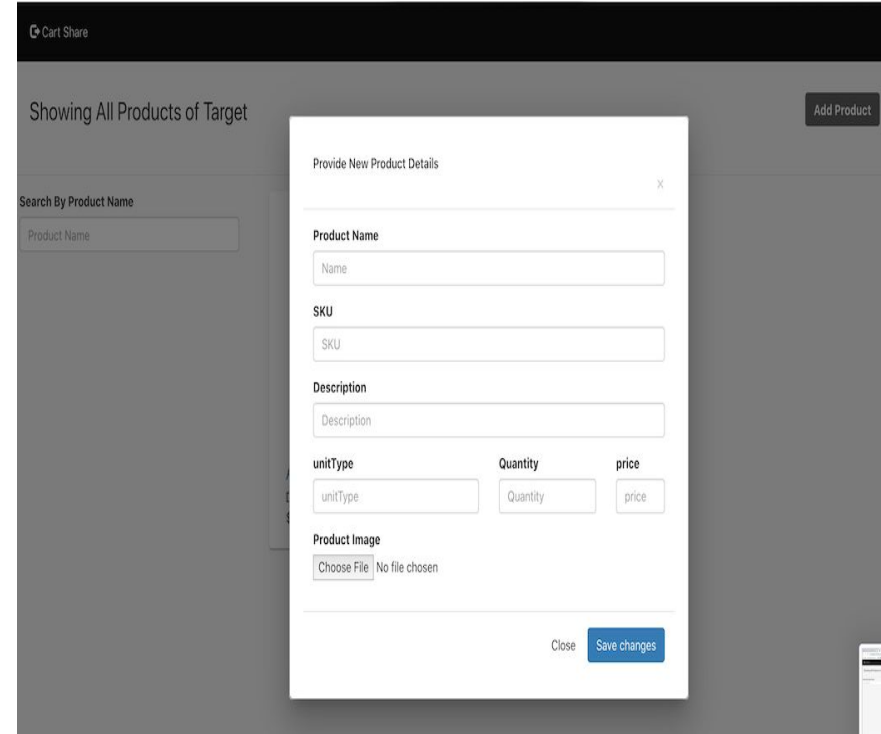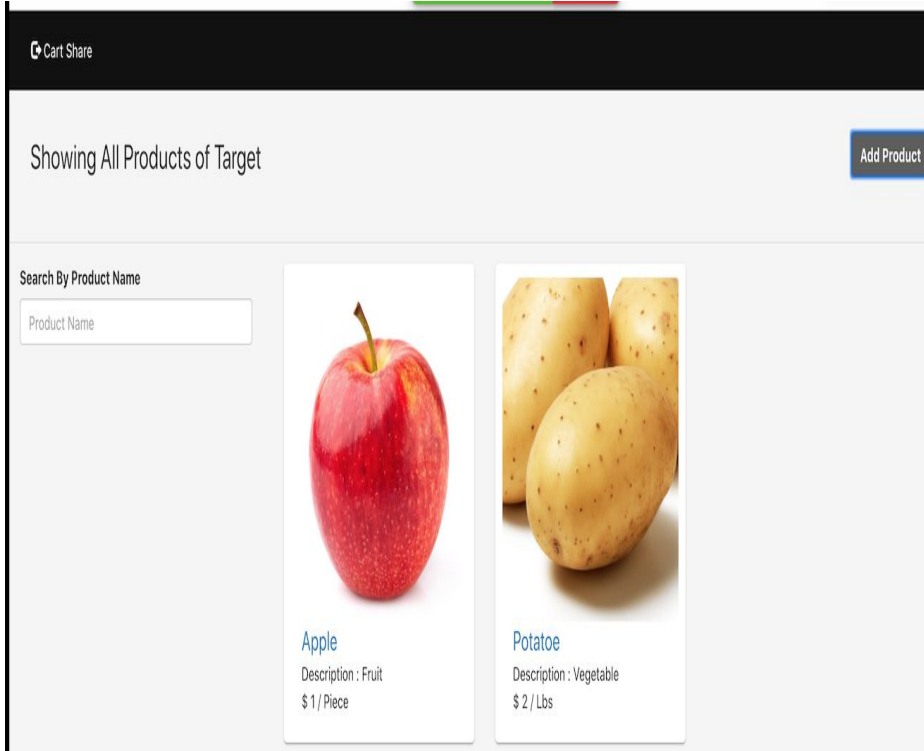Nithya Kuchadi(013769665)
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INTRODUCTION

- Spring Boot for backend APIs, React js for frontend and MySQL RDS for database.
- Firebase for authentication, and JPA with Hibernate implementation as ORM.
- Multi-threading to send emails using JavaMailSender.
- Spring Autowiring for Dependency injection, and Rest controller and services for APIs.
- Transactions for all DB operations and AOP for input validation.

System Architecture

Admin

Users

Amazon EC2

ROUTER ↔ COMPONENT ↔ SERVICES ↔ HTTP

React

Cart Share UI

Authentication

Firebase

Amazon EC2

AOP

Spring Rest Controllers ↔ Spring Rest Services

Threads

Spring Boot   Java

Cart Share Backend

JPA   HIBERNATE JAVA ORM

Amazon RDS

Data Base

Admin - Products view, add a Product view

Admin - Store view, Pooler - Create pool view

Pooler - place order, checkout view
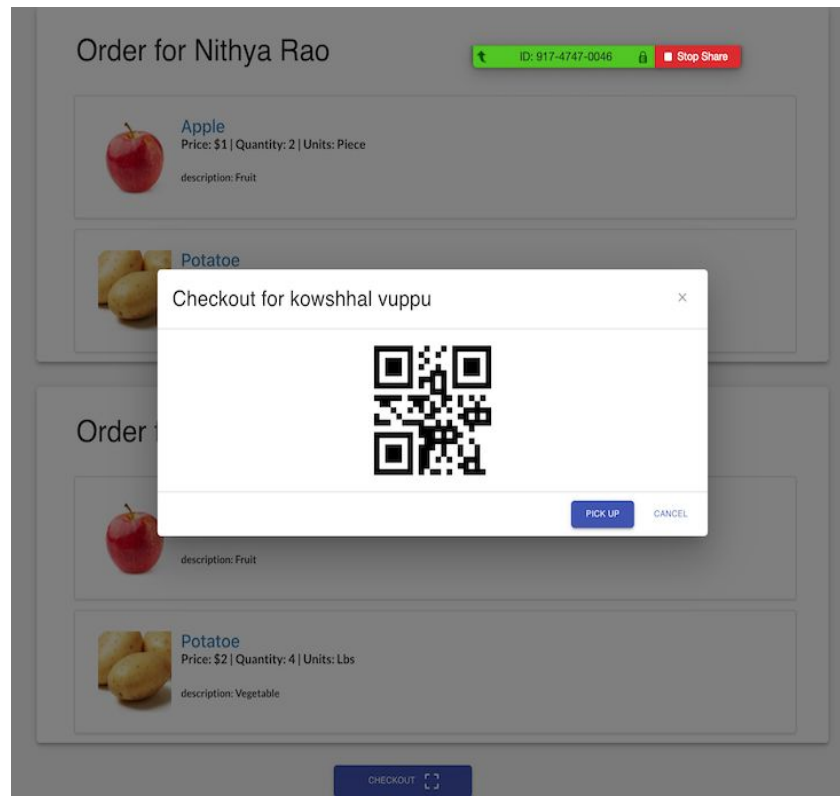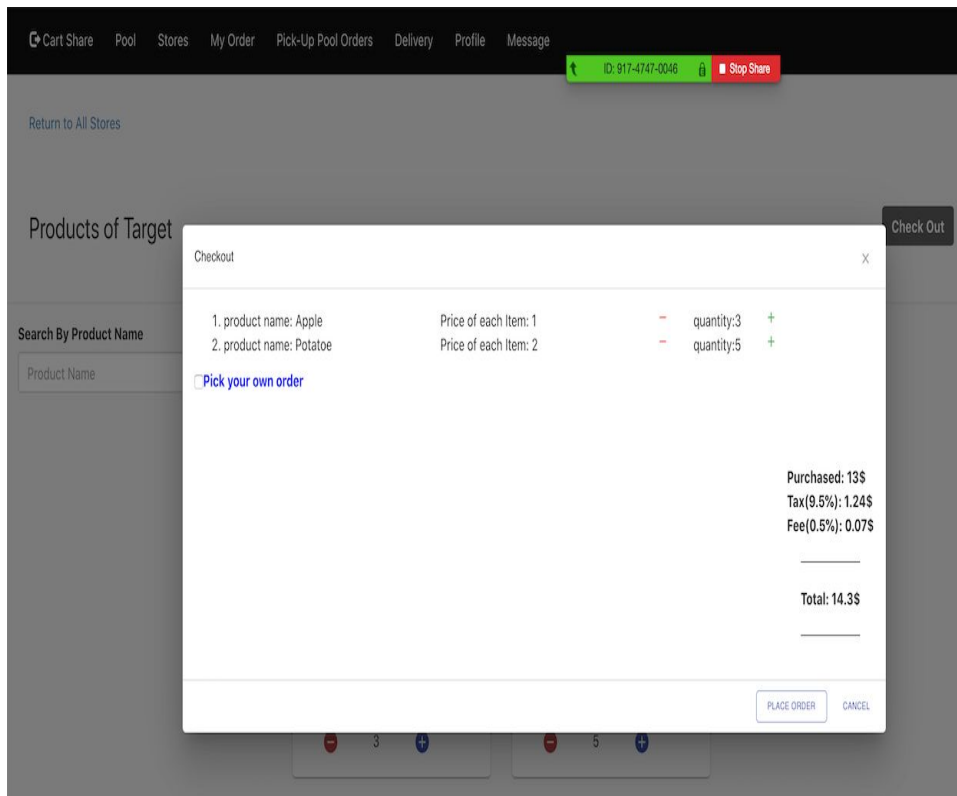
Pooler - Delivery Instructions, Email view