Design Document

Guac N Roll

10/31/2024

Version 1

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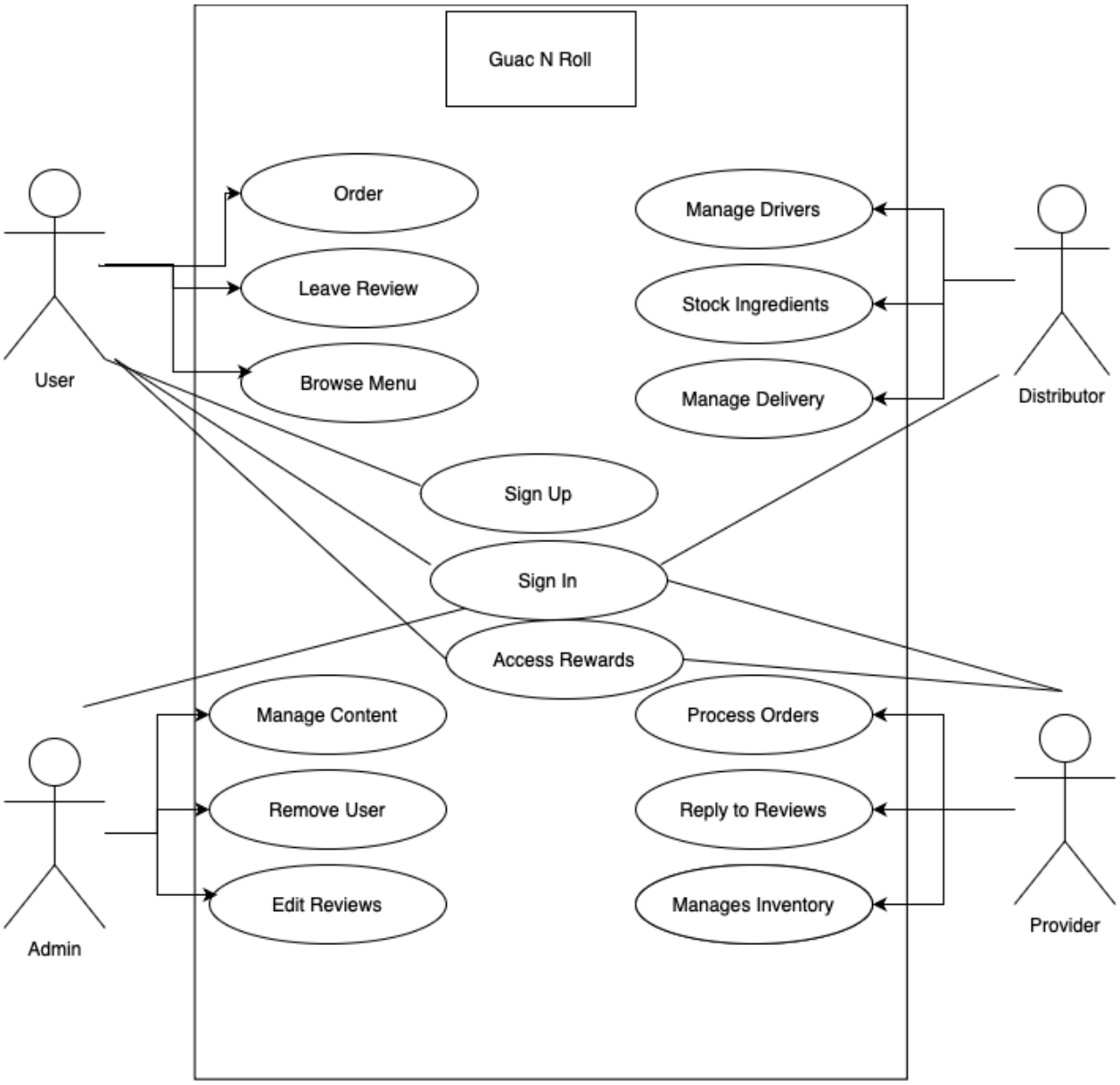
Revelo and Sreyes Venkat

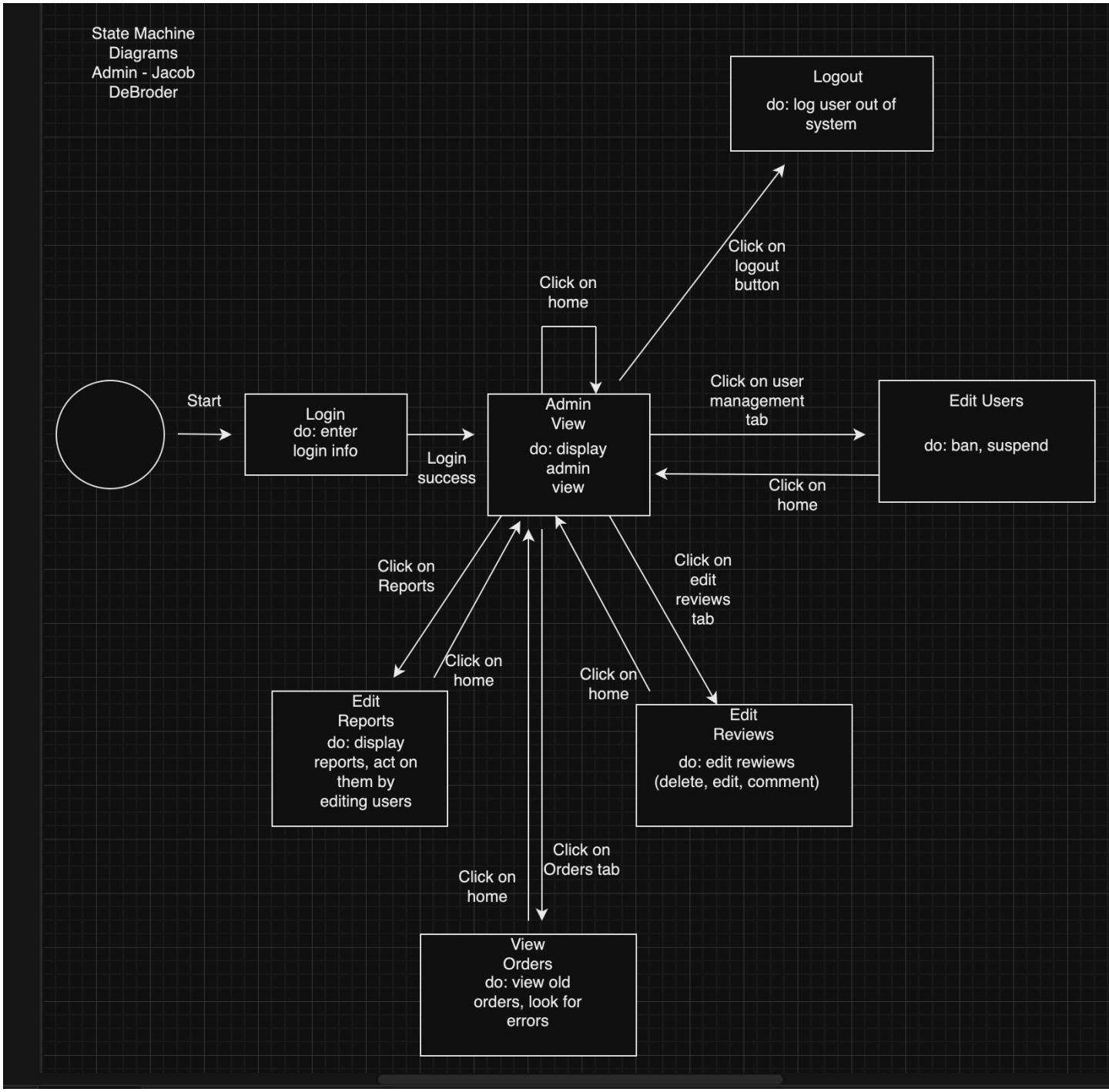
1. Project Overview

The goal of the Guac N Roll web application is to provide customers a convenient and fast way to order food from a variety of Mexican inspired dishes. Customers will be able to go through the menu and add menu items to order, and if they prefer to edit a particular menu item, they can make changes as well. The web application is an interactive website, users will be able to review food items and view other customers' reviews. Customers will also have their own Rewards points system, accruing points proportional to every purchase amount, and those points can in turn be used to buy food items. The web application also provides users a shopping cart that allows customers to keep track of their order, shows subtotal price as the customer builds their order, and has the option to edit or delete an item in the shopping cart. The System Admin is responsible for website moderation and making appropriate website changes if needed.

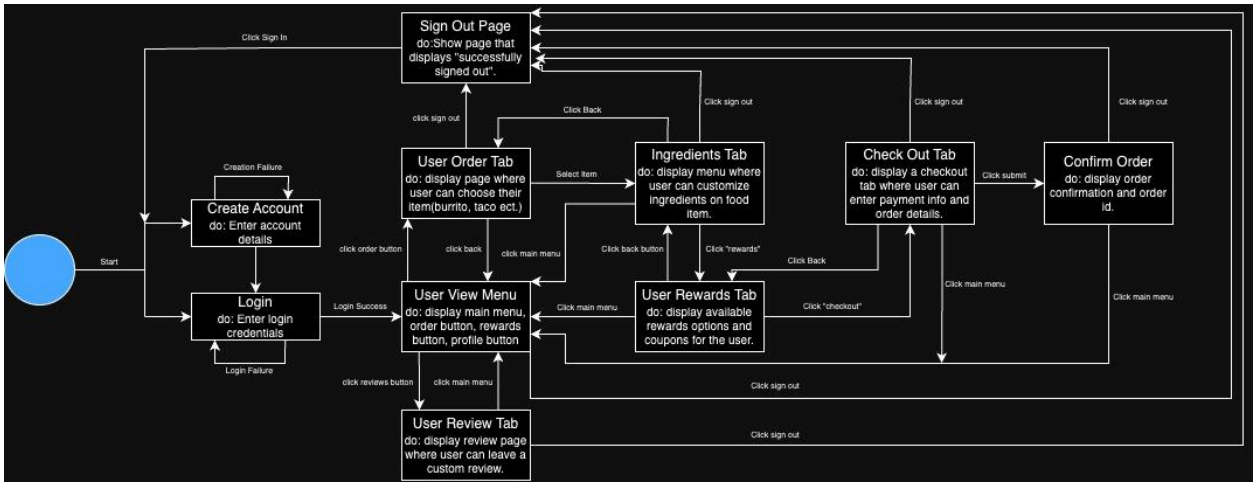
2. Use-Case Model



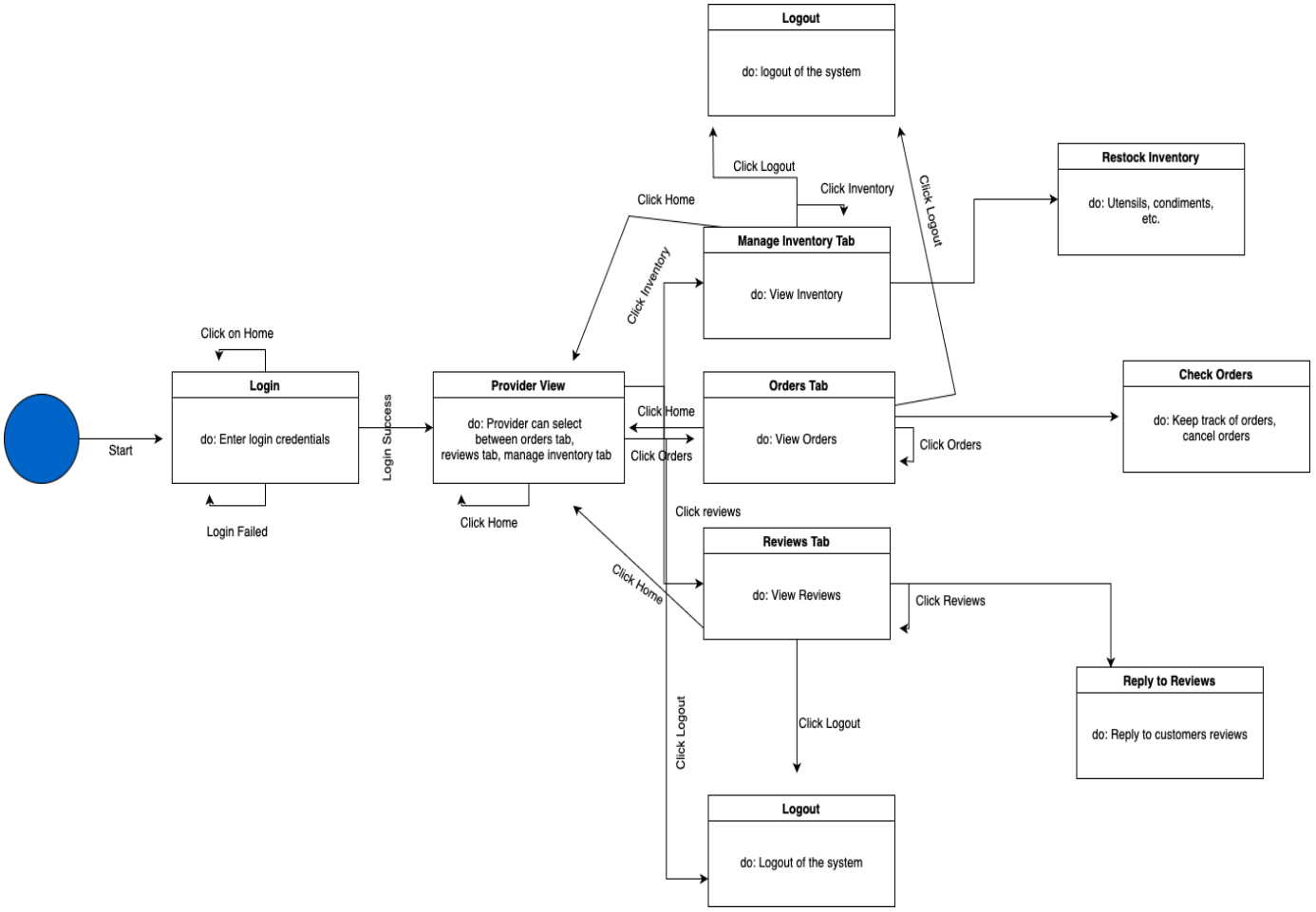
3. State Machine Diagrams
    a. Admin – Jacob DeBroder



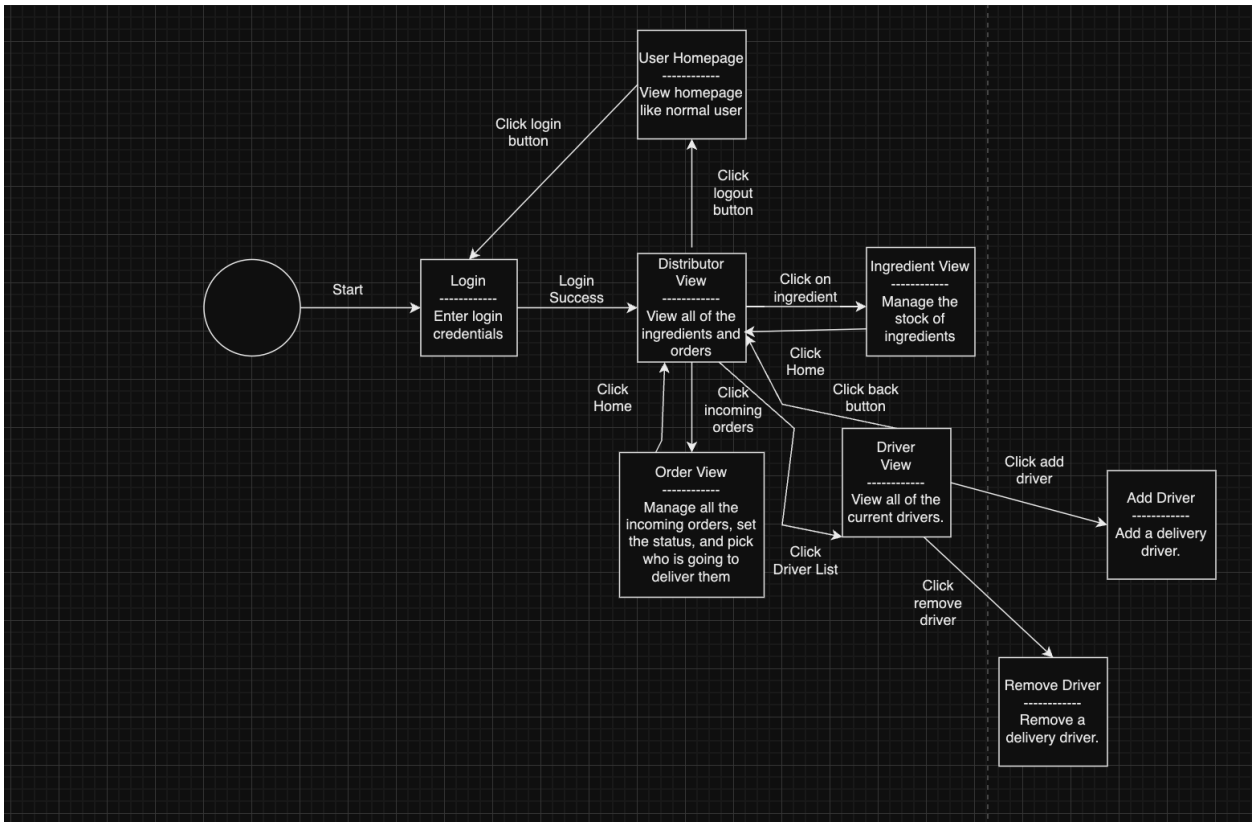
4. User – Sreyes Venkat



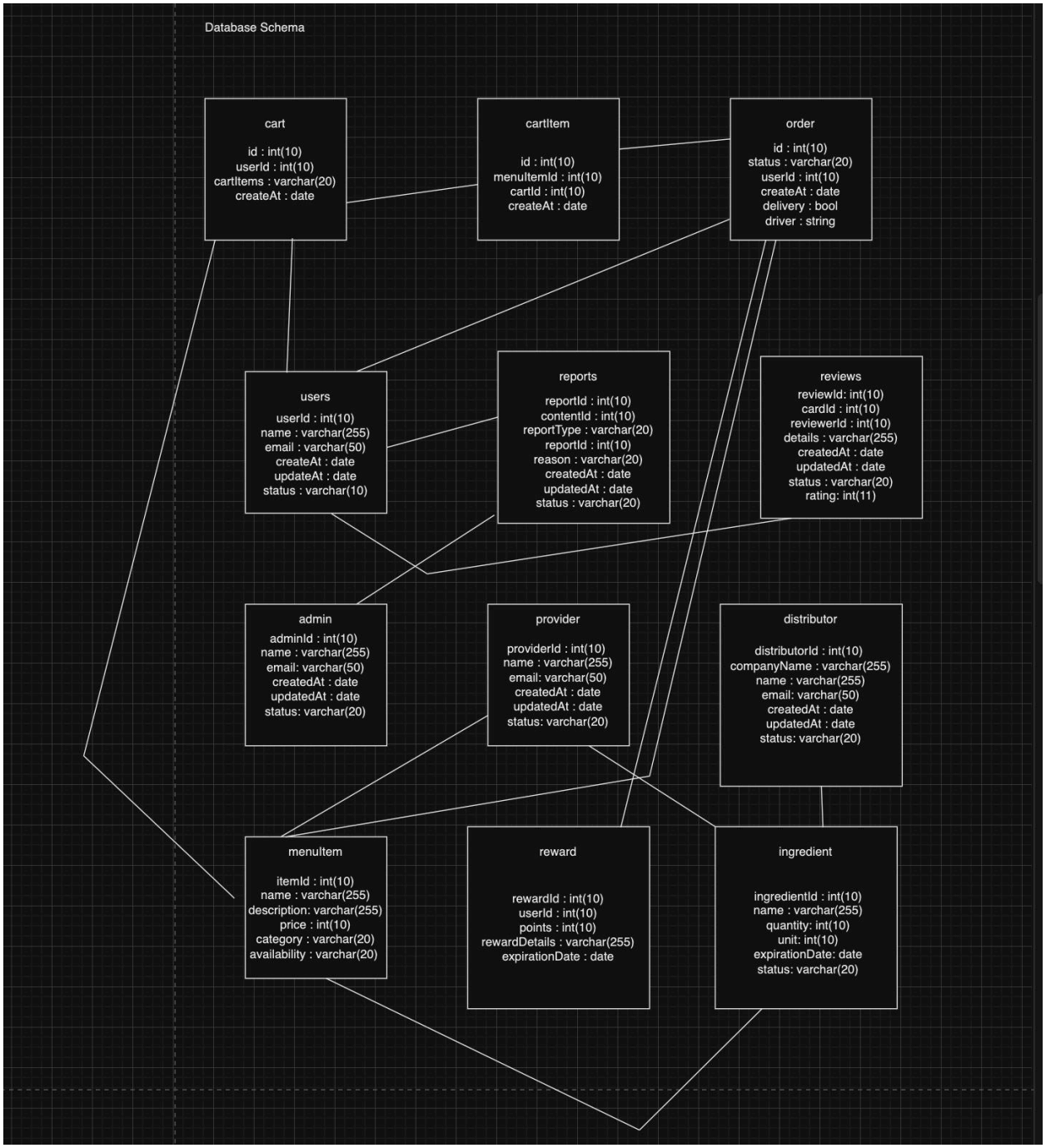
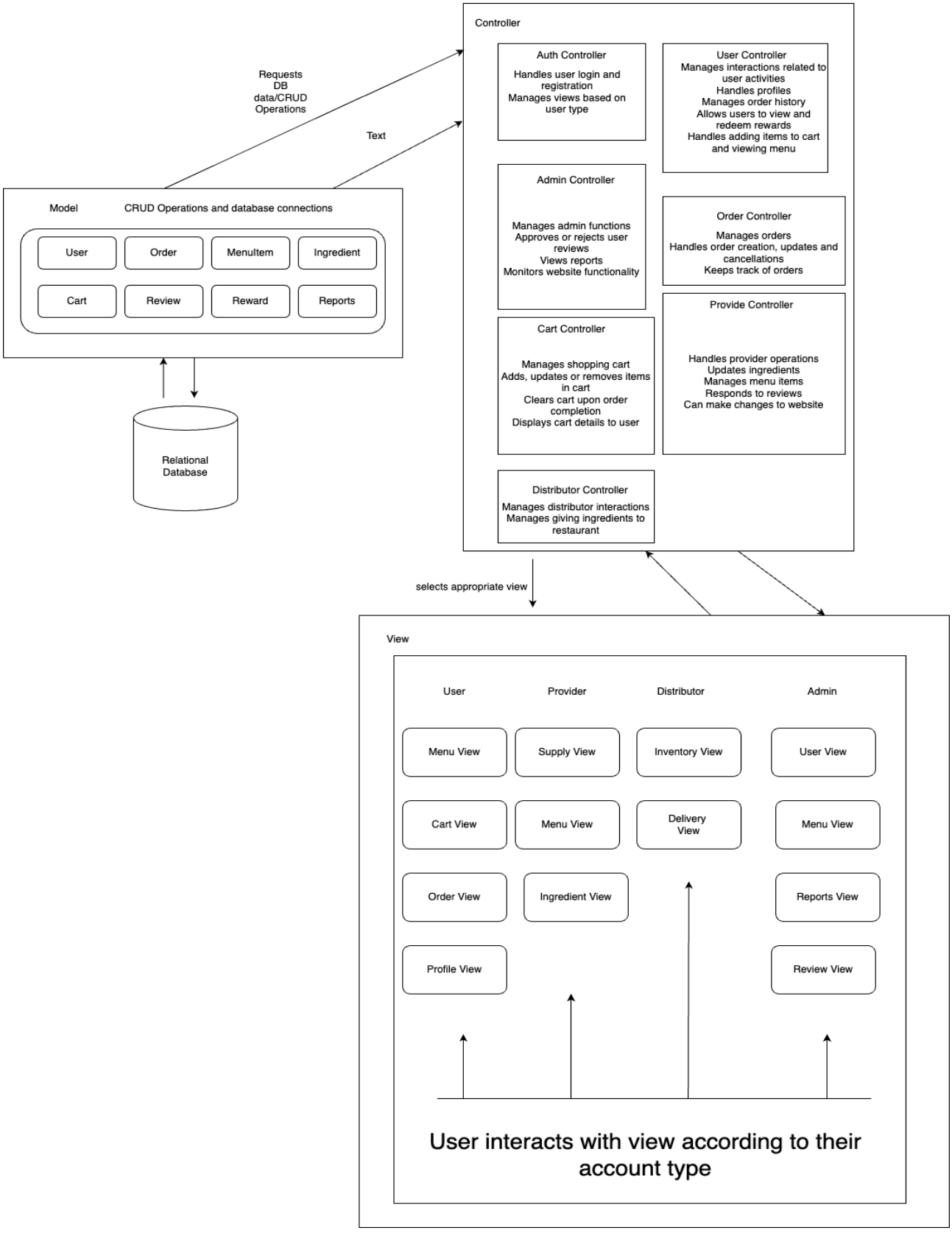
5. Provider – Benjamin Revelo



6. Distributor – Devon Moskowitz


User Homepage
View homepage like normal user
Click login button
Click logout button
Start
Login
Enter login credentials
Login Success
Distributor View
View all of the ingredients and orders
Click on ingredient
Ingredient View
Manage the stock of ingredients
Click Home
Click back button
Click Home
Click incoming orders
Order View
Manage all the incoming orders, set the status, and pick who is going to deliver them
Driver View
View all of the current drivers.
Click add driver
Add Driver
Add a delivery driver.
Click Driver List
Click remove driver
Remove Driver
Remove a delivery driver.

7. Database Schema



8. Software Architecture