

Design Document

SpartanRide

10/31/2024

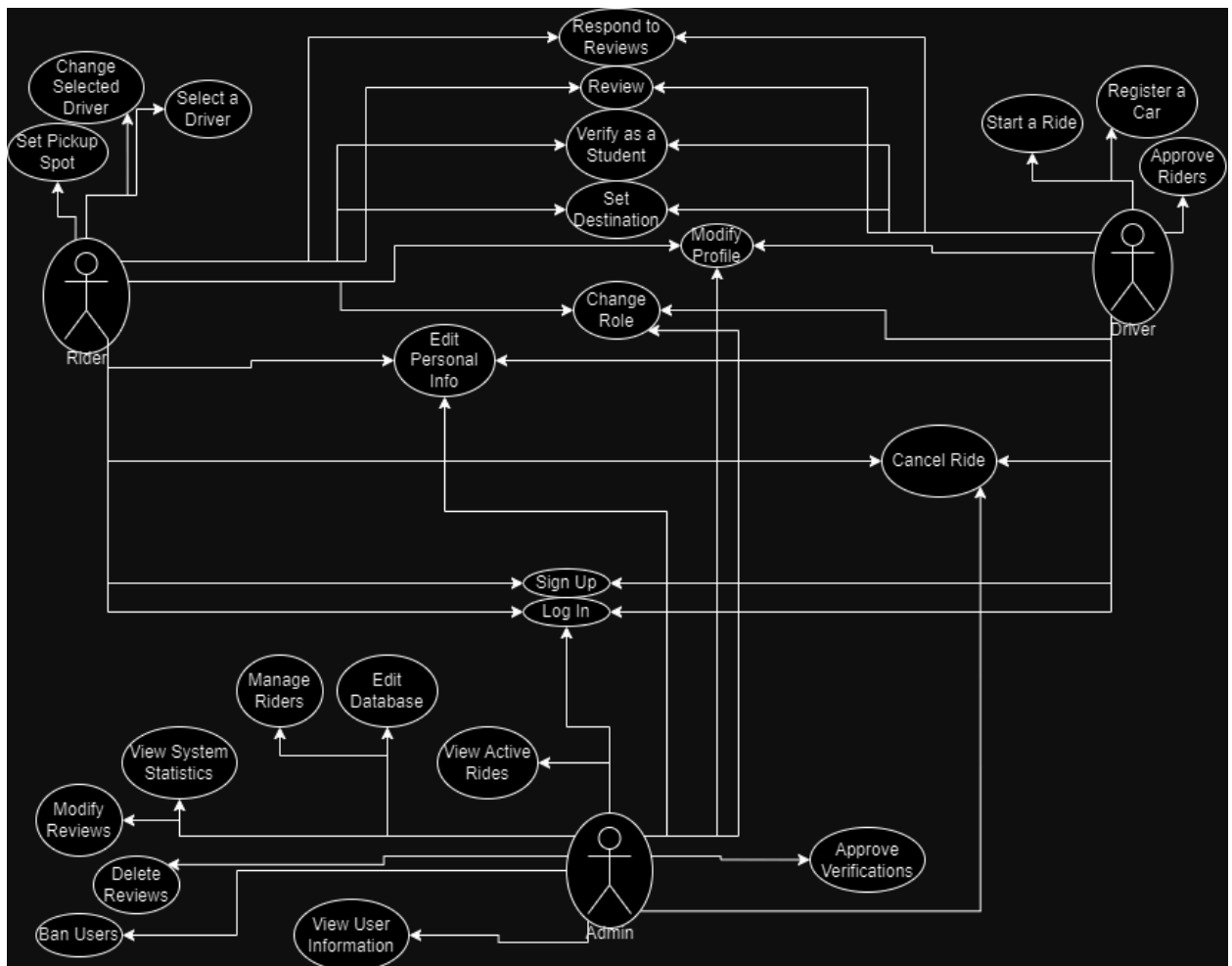
Version 1

Aidan Quinn_(Driver), **Elijah Carpenter**_(Admin),
Kannan Thilak_(Rider)

1. Project Overview

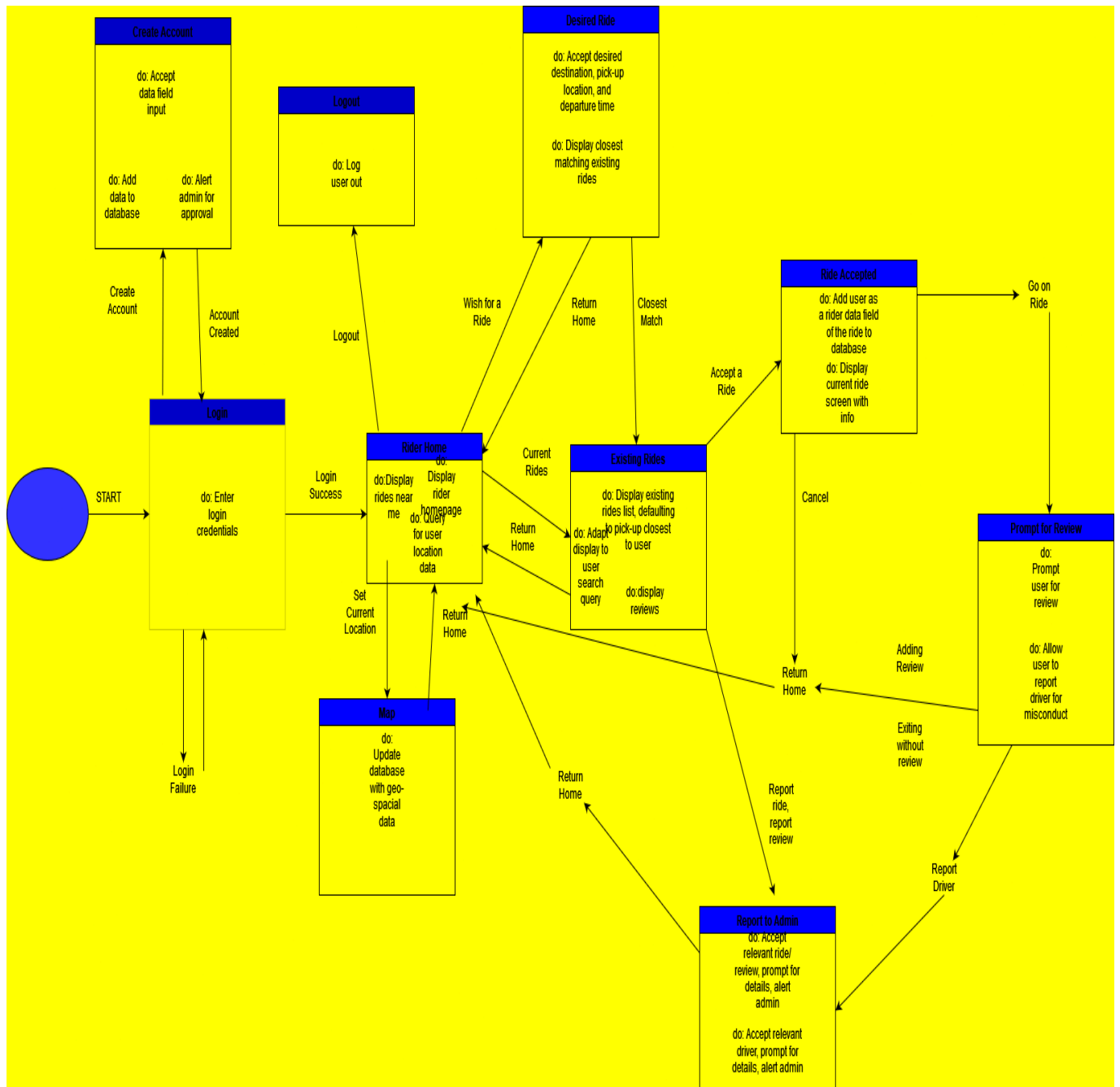
The goal of SpartanRide is to provide a traveling service to college students. It is a carpooling service wherein a student can set a destination, either as the driver or rider, and find others going towards the same destination. This will not only allow students to save money on gas, but to assist the environment, help students meet new people, and to build a larger community. The users that will be interacting with the application would be under these three categories of actors: Rider, Driver, and Administrator.

2. Use-Case Model

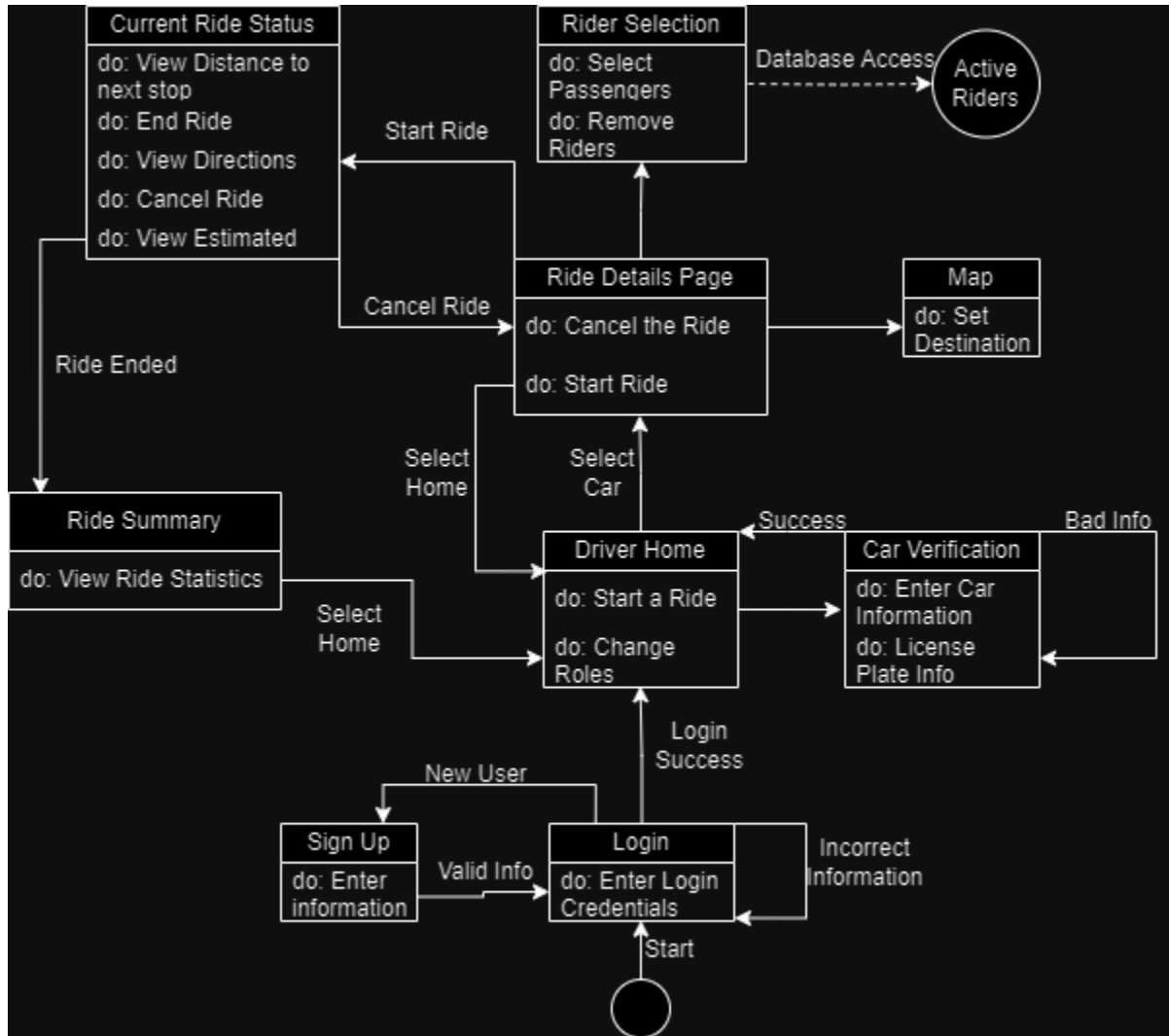


3. State Machine Diagrams

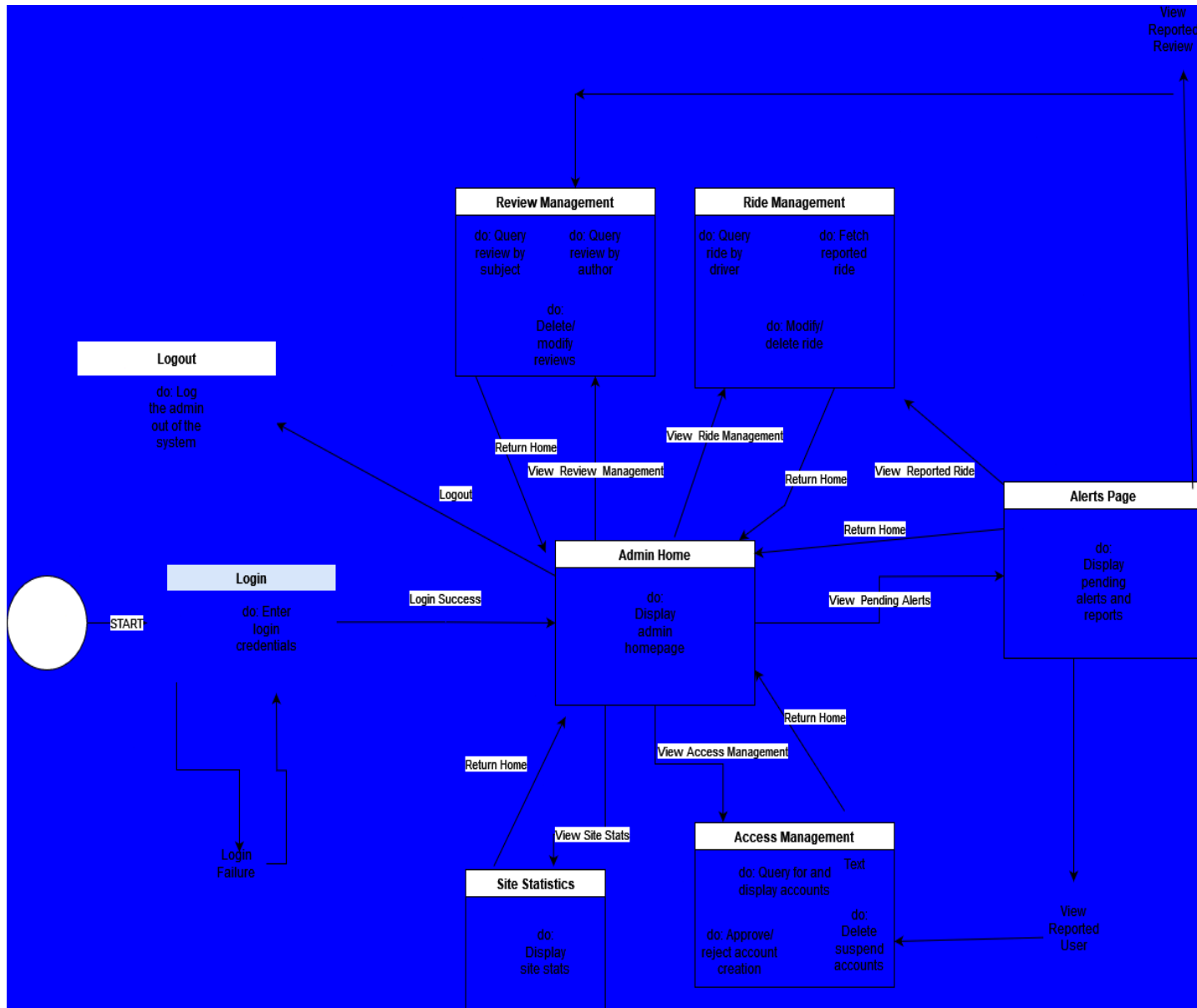
a. User(Rider) – Kannan Thilak



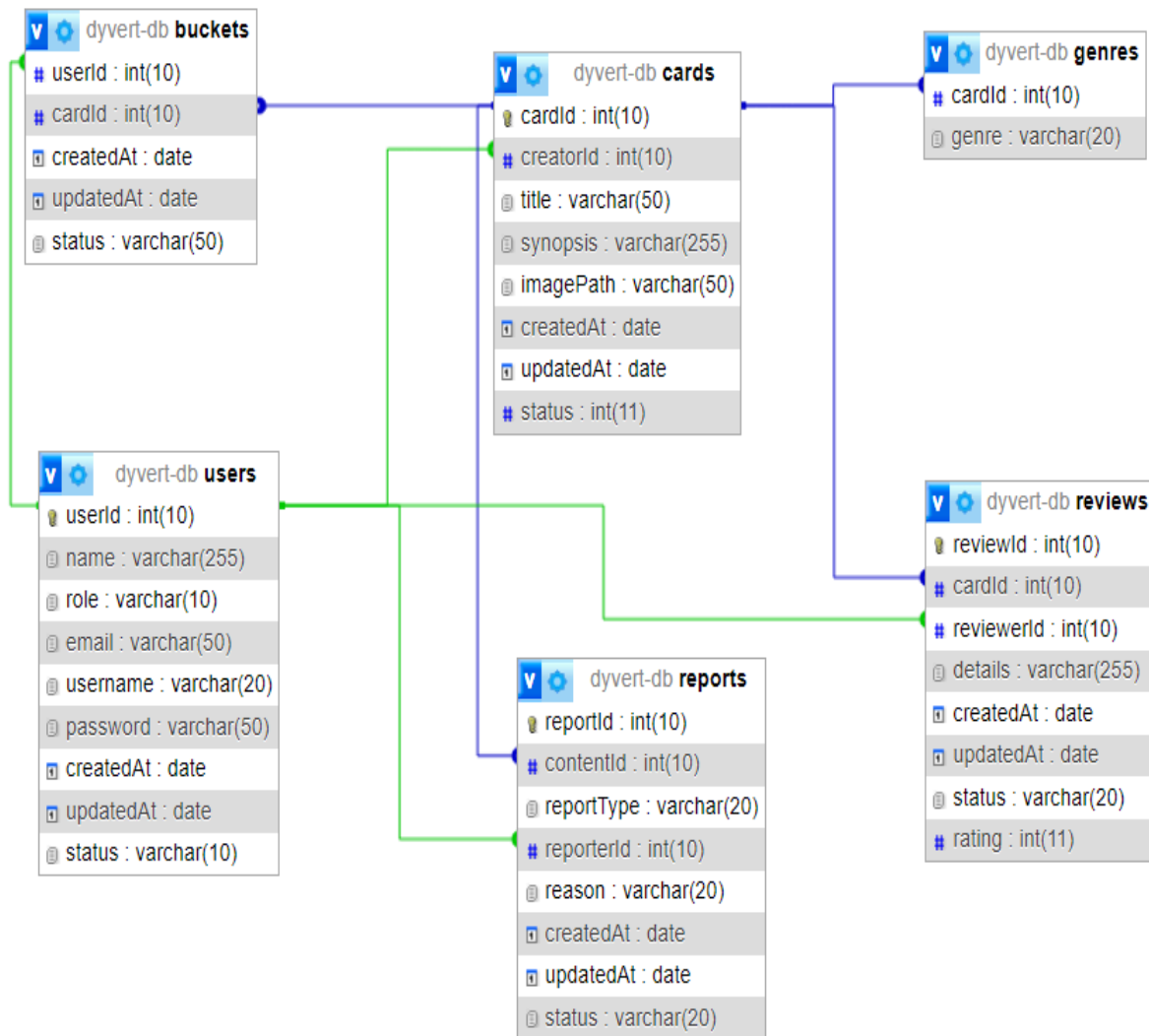
b. Provider(Driver) – Aidan Quinn



c. Admin – Elijah Carpenter



4. Database Schema



5. Software Architecture - MVC

