# Design Document
# YouSell
# 10/31/2024
# Version 1

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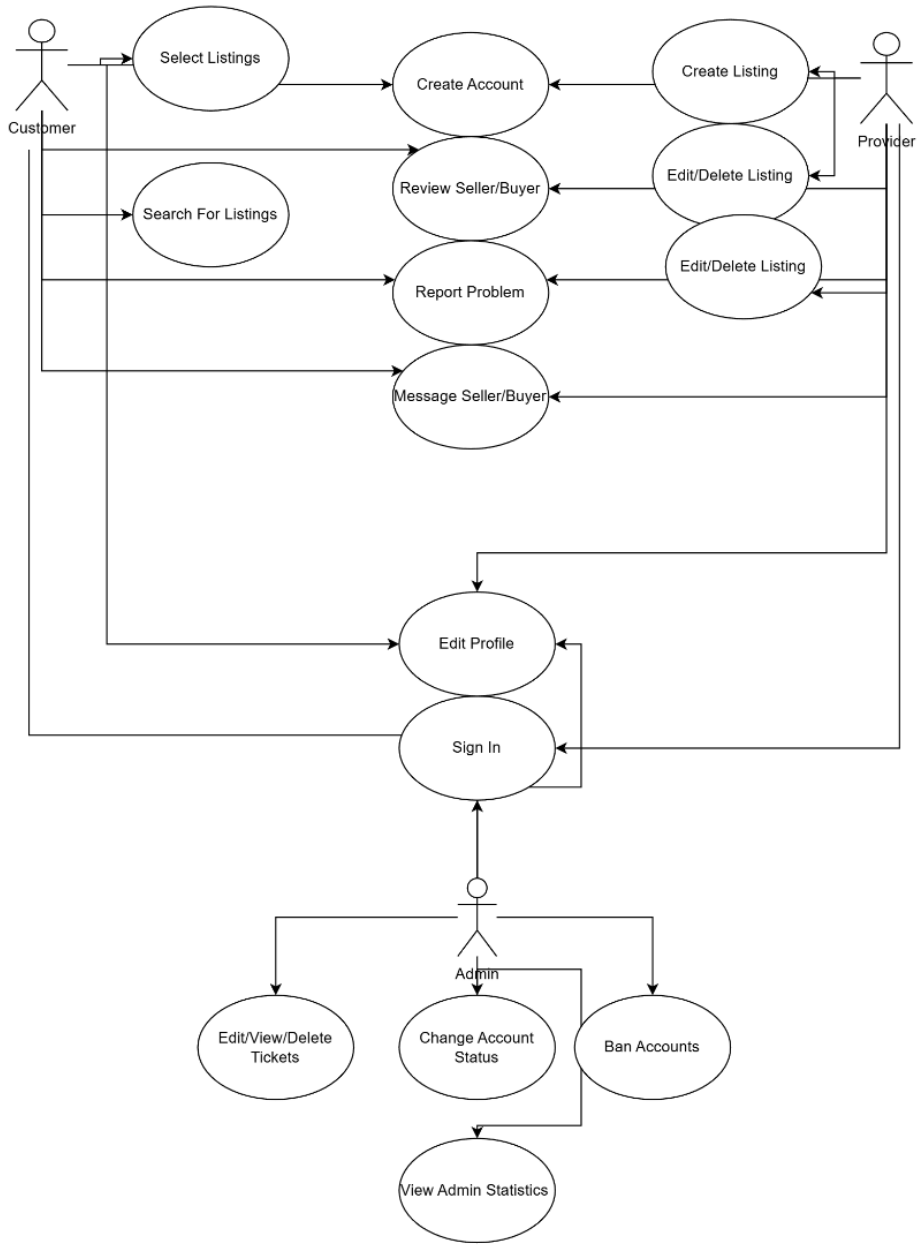
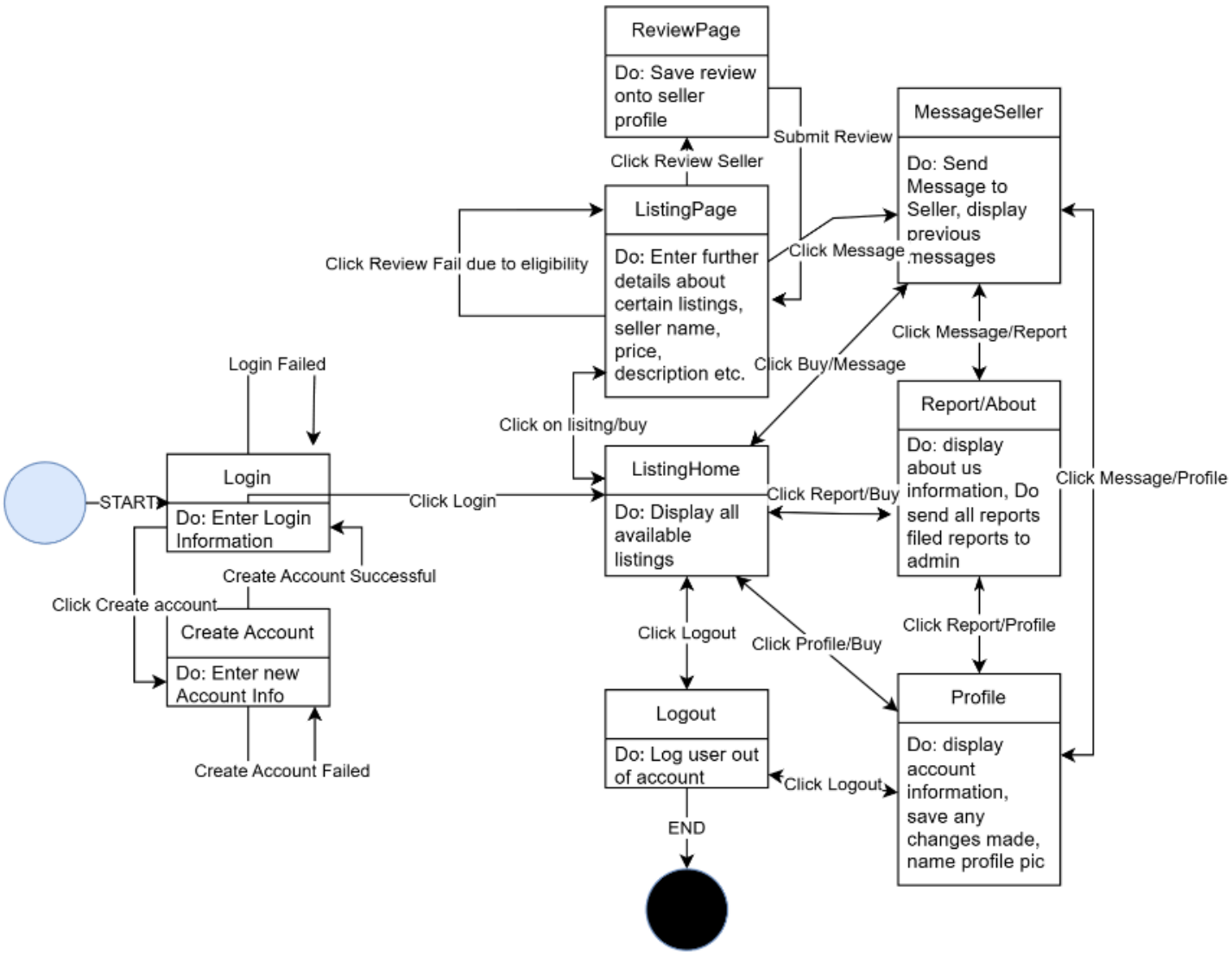
1. Project Overview

Our app will provide a platform for anyone and everyone to buy and sell used and new items. Our app offers a great opportunity for people trying to get rid of unused items or make a profit on something they've made or manufactured. This app will make it easier for people to find great deals on item they may have never thought of getting/needing. We aim to provide plenty of user-friendly features including but not limited to direct messaging and a review panel. We also strive to implement a block/report feature, so that users can report suspicious or inappropriate behaviors by customers or providers, this way admins are able to see this kind of behavior and make any appropriate actions.

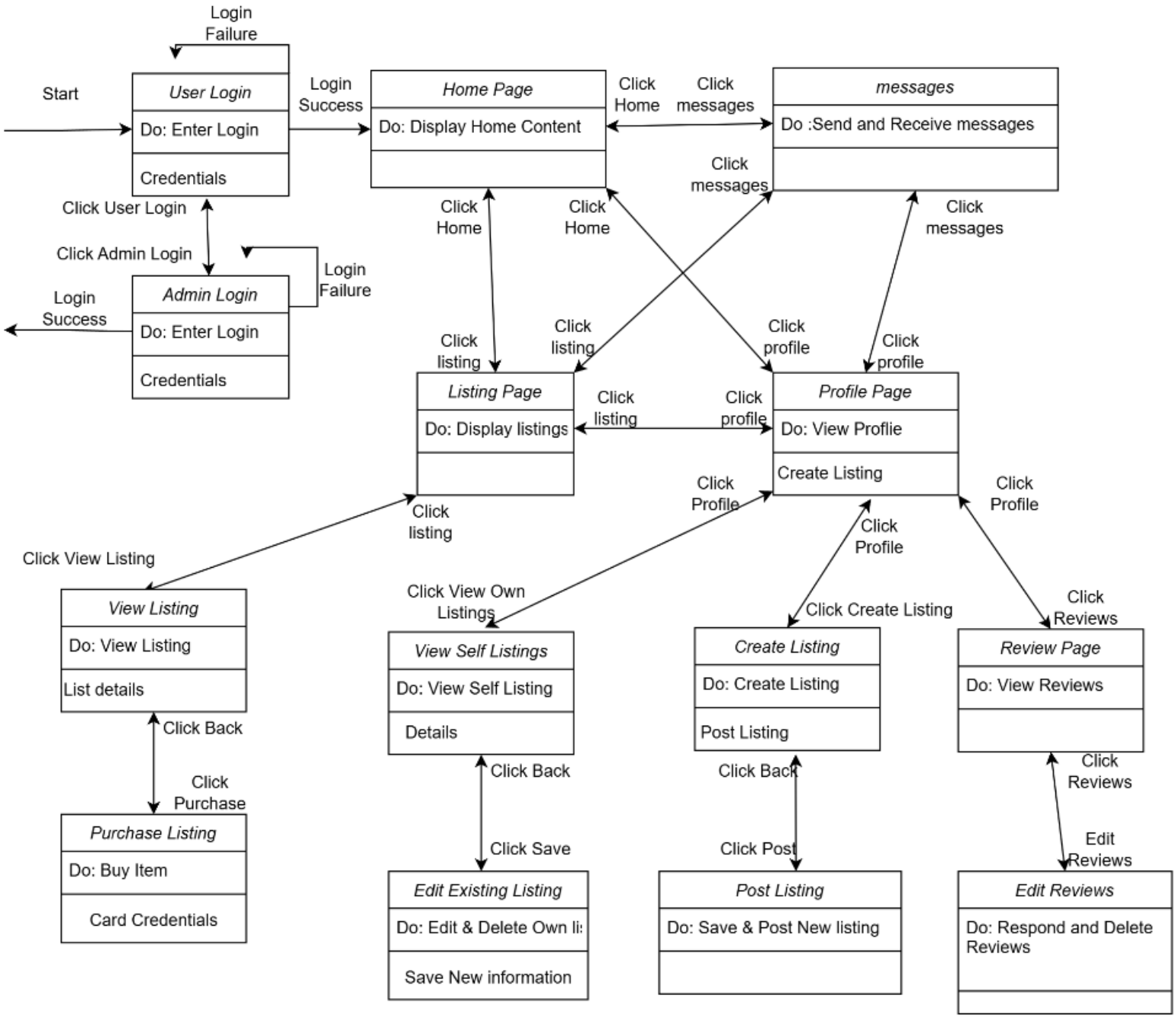
2. Use-Case Model



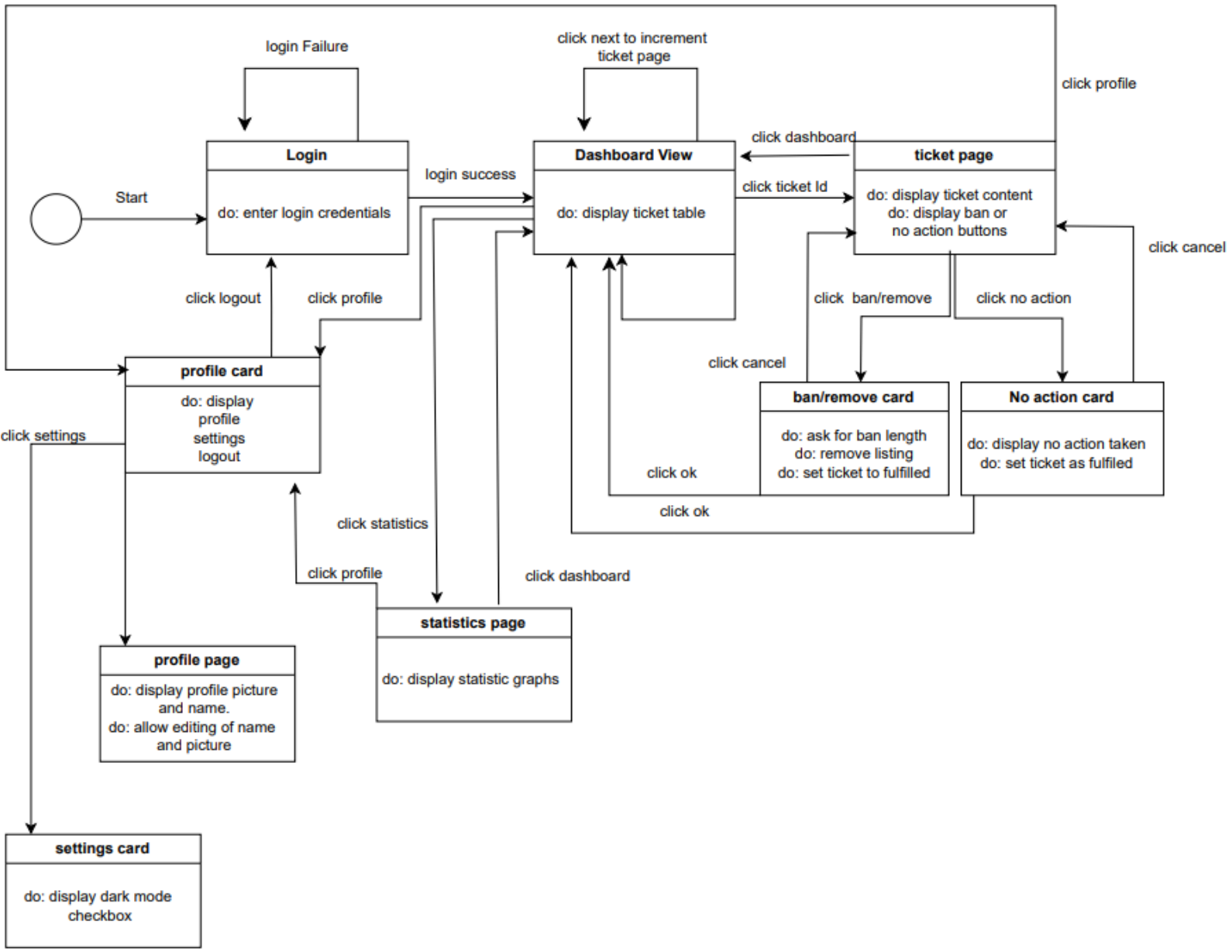
3. State Machine Diagrams
    a. User



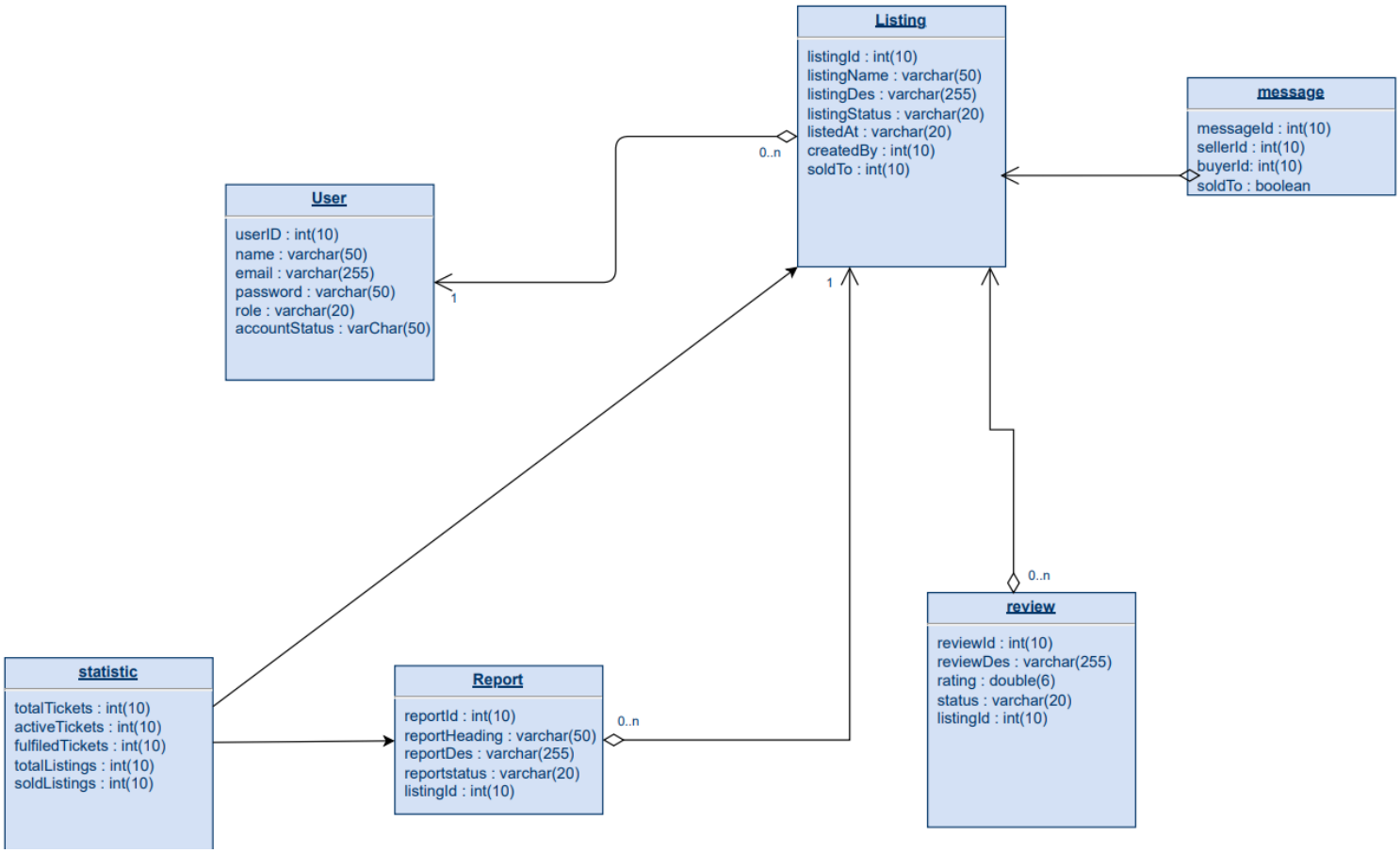
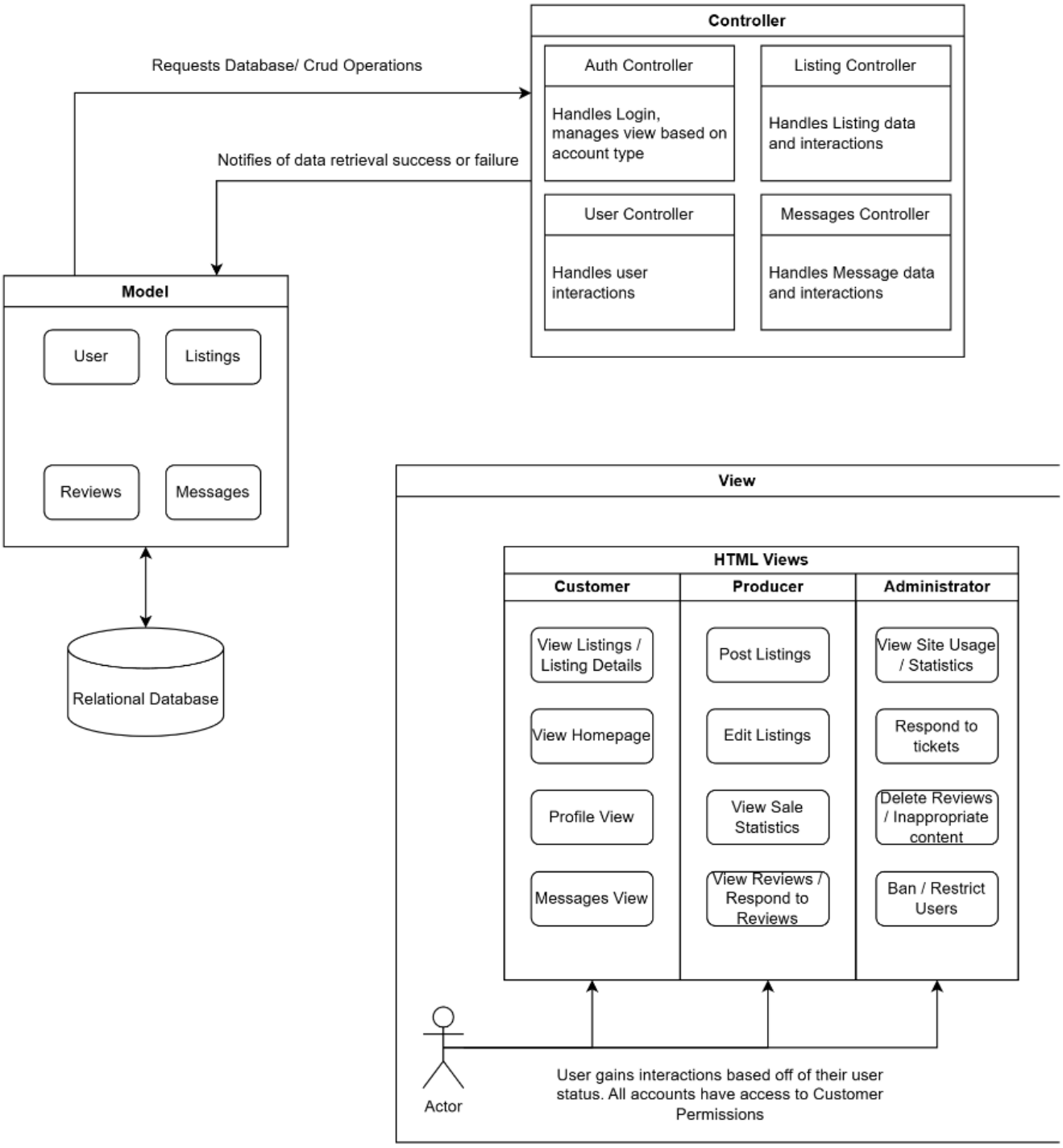
b. Seller


Login Failure
Start
User Login
Do: Enter Login
Credentials
Login Success
Home Page
Do: Display Home Content
Click Home
Click messages
messages
Do :Send and Receive messages
Click User Login
Click Admin Login
Admin Login
Do: Enter Login
Credentials
Login Failure
Login Success
Click Home
Click Home
Click messages
Click messages
Click listing
Click listing
Click profile
Click profile
Listing Page
Do: Display listings
Click listing
Click profile
Profile Page
Do: View Proflie
Create Listing
Click listing
Click Profile
Click Profile
Click Profile
Click View Listing
Click View Own Listings
Click Create Listing
Click Reviews
View Listing
Do: View Listing
List details
View Self Listings
Do: View Self Listing
Details
Create Listing
Do: Create Listing
Post Listing
Review Page
Do: View Reviews
Click Back
Click Purchase
Click Back
Click Save
Click Back
Click Post
Click Reviews
Edit Reviews
Purchase Listing
Do: Buy Item
Card Credentials
Edit Existing Listing
Do: Edit & Delete Own li
Save New information
Post Listing
Do: Save & Post New listing
Edit Reviews
Do: Respond and Delete Reviews

c. SysAdmin


login Failure
click next to increment ticket page
click profile
Login
do: enter login credentials
Start
login success
Dashboard View
do: display ticket table
click dashboard
ticket page
click ticket Id
do: display ticket content
do: display ban or no action buttons
click cancel
click logout
click profile
click ban/remove
click no action
profile card
do: display profile settings logout
click cancel
ban/remove card
do: ask for ban length
do: remove listing
do: set ticket to fulfilled
No action card
do: display no action taken
do: set ticket as fulfiled
click settings
click ok
click ok
click statistics
click profile
click dashboard
statistics page
do: display statistic graphs
profile page
do: display profile picture and name.
do: allow editing of name and picture
settings card
do: display dark mode checkbox

4. Database Schema



5. Software Architecture – MVC