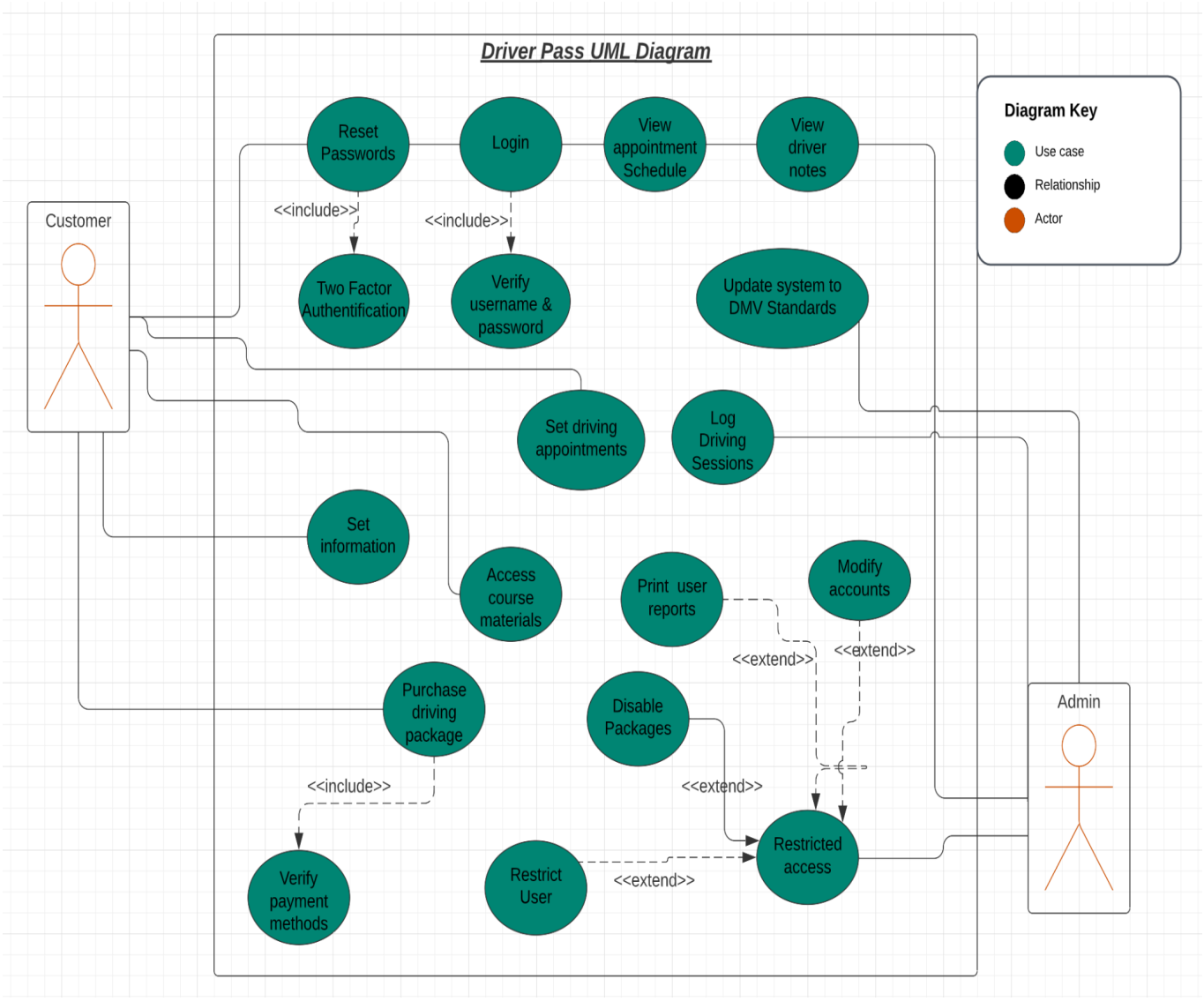
Southern New Hampshire University

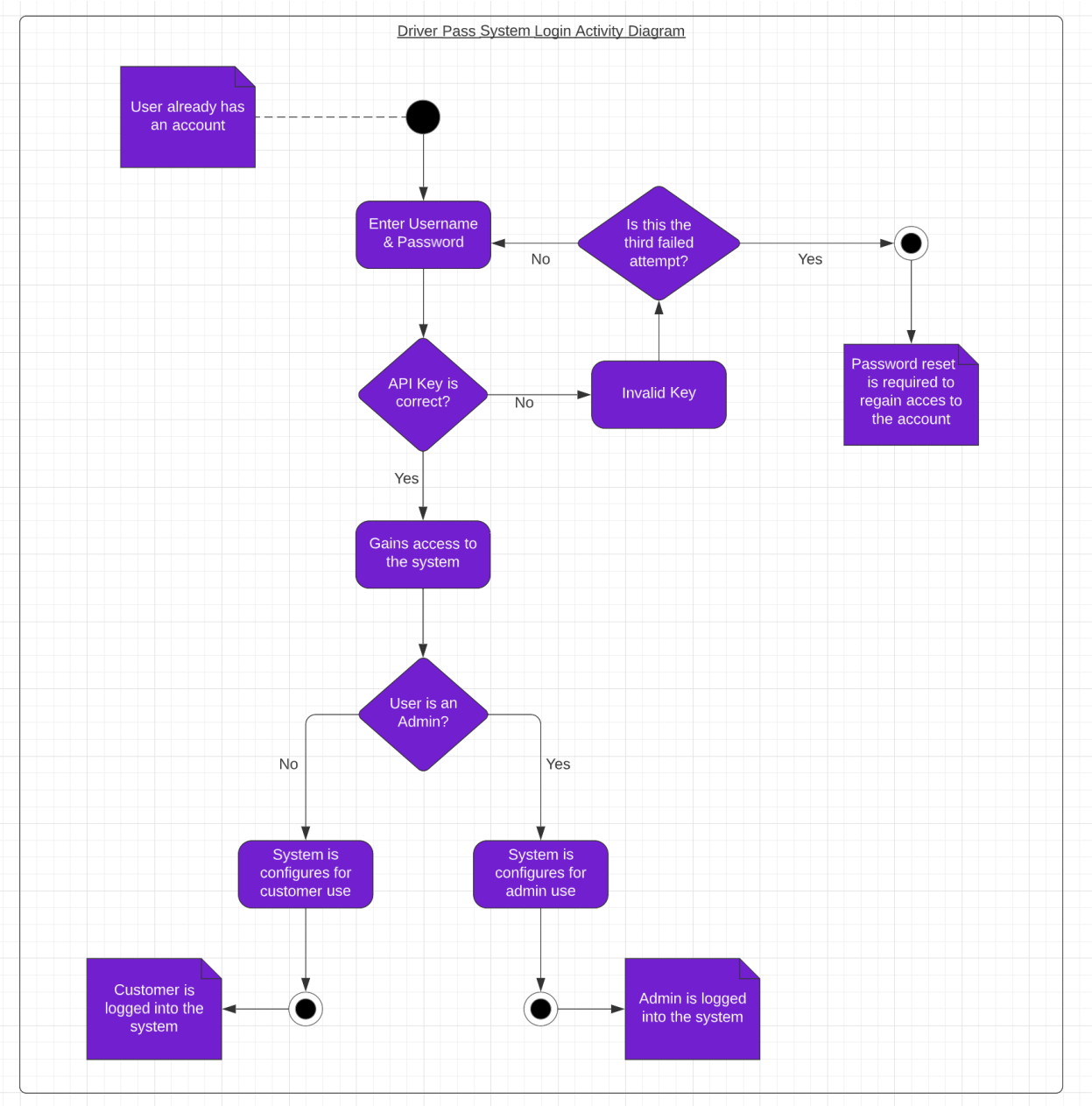
CS 255 System Design Document

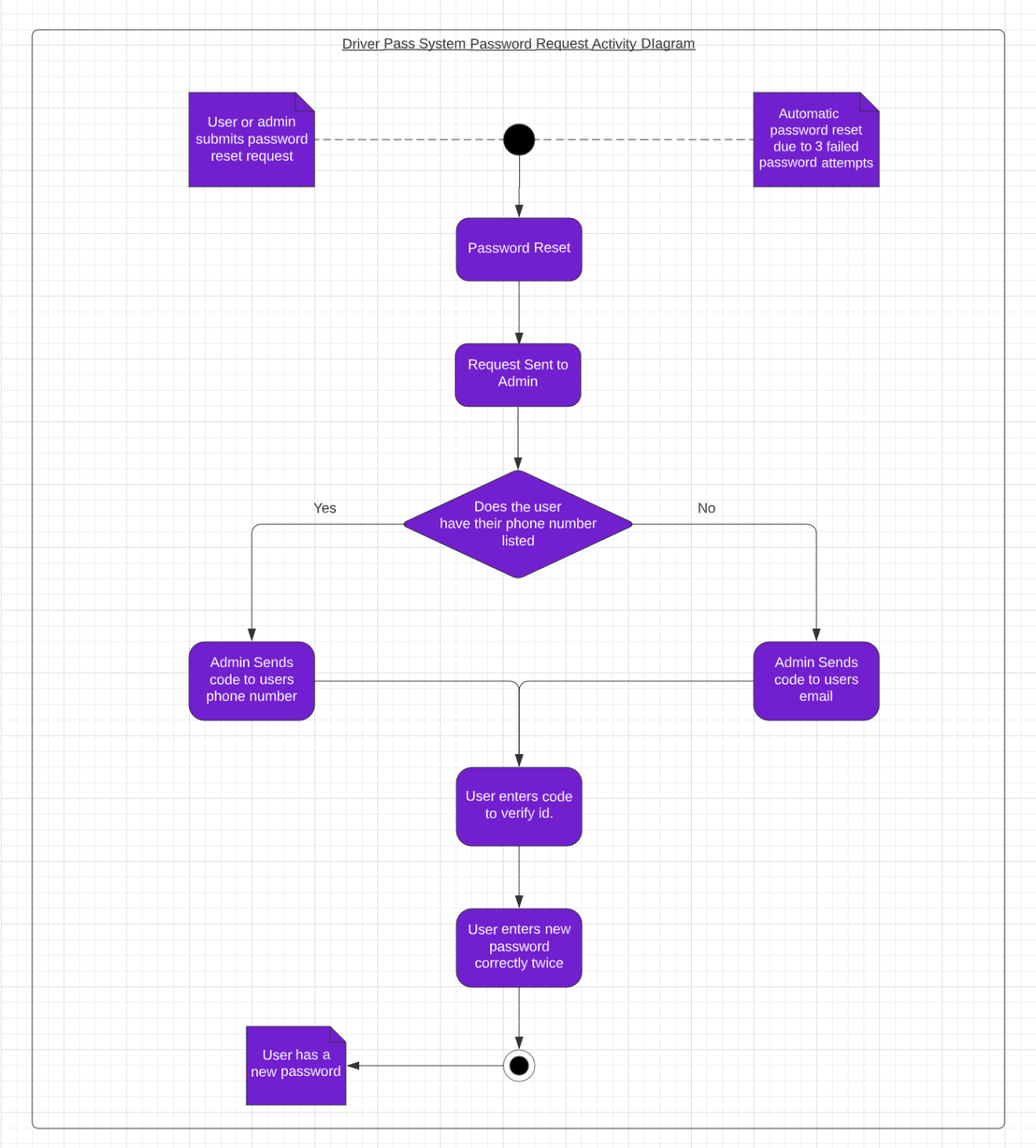
UML Diagrams

UML Use Case Diagram

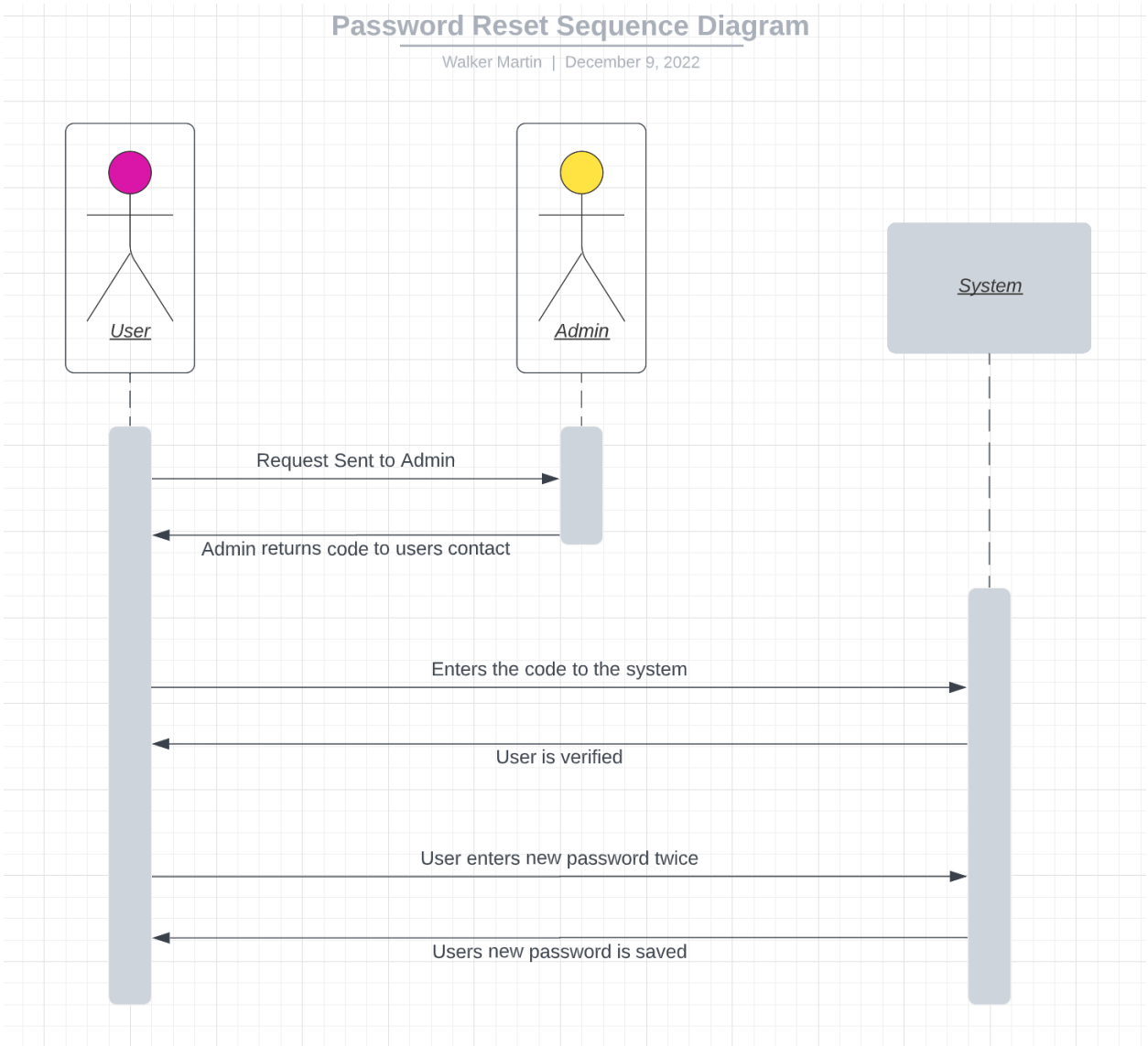


UML Activity Diagrams

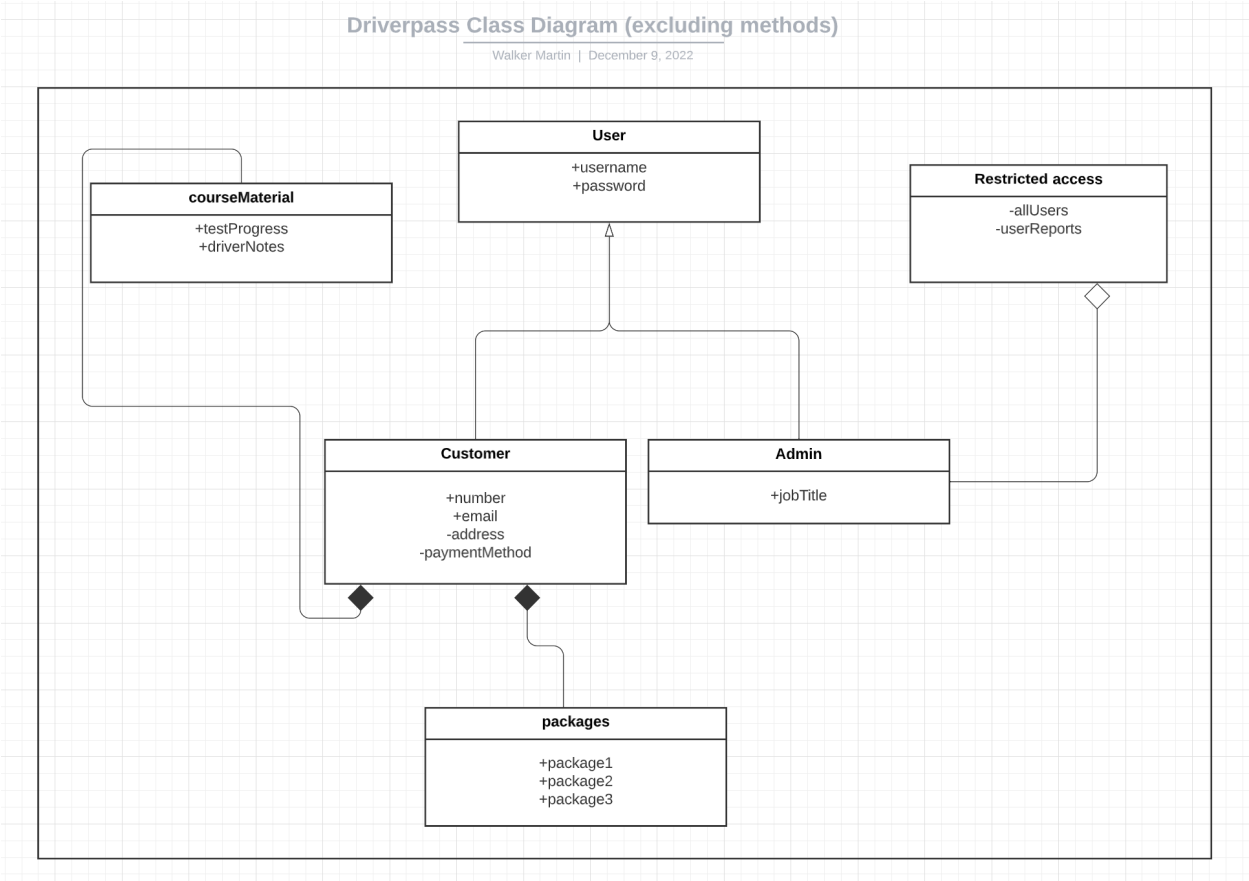



Driver Pass System Password Request Activity Diagram
User or admin submits password reset request
Automatic password reset due to 3 failed password attempts
Password Reset
Request Sent to Admin
Does the user have their phone number listed
Yes
No
Admin Sends code to users phone number
Admin Sends code to users email
User enters code to verify id.
User enters new password correctly twice
User has a new password

UML Sequence Diagram



UML Class Diagram



Technical Requirements

- The systems requires internet connection for users to reach the web app.
- The minimum specs to run the site are very low.
- It will be compatible across all devices that include a search engine.
- The web app will implement serverless development and cloud infrastructure.
- The backend will be made with firebase for easy scalability.
- System will be active 24/7 in a restful state when not being used.