**Use Case Diagram**

A diagram of a driver pass

Description automatically generated

**Activity Diagram One – Password Request or Alert**

A diagram of a computer program

Description automatically generated

**Activity Diagram Two – Package Purchase**

*Shown whole and split for viewing/zooming ease.*

A diagram of a car

Description automatically generated

A diagram of a student driver pass

Description automatically generated

A diagram of a student schedule

Description automatically generated

**Sequence Diagram – Package Purchase**

A diagram of a package

Description automatically generated

**Class Diagram**

*Since the methods were optional to include, I omitted them for simplicity. Otherwise, there would be so many “setter and getter” functions.*

A diagram of a workflow

Description automatically generated

**Technical Requirements**

**Hardware**

* Desktop computer, laptop, or similar device
* Possible: phone, tablet, or similar mobile device
* Keyboard
* Monitor/Display screen
* Mouse or trackpad
* Internet router and/or connection

**Software**

* Compatible, up-to-date operating system
* Compatible, up-to-date web-browser
* Up-to-date security software like Windows Defender
* Website along the lines of “https://www.driverpass.com”
  + Webpages with links, buttons, input fields, photos, text, and colors

**Tools**

* IDEs for desktop and (possibly) mobile development
  + WebStorm (desktop)
  + Xcode (mobile)
* HTTPS
* Cloud services
  + Amazon Web Services (AWS), Microsoft Azure, or Google Cloud
* Web-scraping or RSS for monitoring DMV webpage changes

**Infrastructure**

* Possible long-term maintenance to handle changes based on feedback or system errors
  + Site maintenance will be done at non-peak hours
* Alert system to notify admin of suspicious activity, password reset requests, or DMV rule/guideline changes
* Tracking system to show who made what changes to data based on ID and data changed (cloud backup will preserve data if it needs reverting)