**Java**

* MainActivity.java
  + Starting activity that allows user to decide what they would like to do
  + Goes to four different activities
* EnterTime.java - User inputs their license plate and minutes requested
  + Uses OkHTTP to call read\_from\_db.php to pull all data from the database and stores in JSON Array
  + Calculates price
  + Sets time start/end for user
* WhichLots.java
  + User chooses which lot they are parking in
* ViewLot.java
  + Decodes JSON array and notes all active spots in the selected lot, setting the spot to taken and disabling the gesture detector
  + Displays entire parking lot
* Payment.java
  + User can verify that all the data they have entered is correct
  + User enters credit card information (just a formality)
  + add.php is called with a JSON Array being sent to it
* PutPlate.java
  + Uses OkHTTP to call read\_from\_db.php to pull all data from the database and stores in JSON Array
  + Asks user for license plate
* ShowTime.java
  + Decodes JSON Array and gets the information of a car that matches the license plate from the user
  + If there is no match on license plate, returns to previous activity and prompts user to try again
* GetDate.java - Start of reservation process
  + Asks user for license plate, what day/time they would like to reserve their spot for, and for how long
  + Calculates price
  + Uses OkHTTP to call read\_from\_db.php to pull all data from the database and stores in JSON Array
* Res\_WhichLot.java
  + User chooses which lot they are parking in
  + Exact same as WhichLots.java
* Res\_ViewLot.java
  + Decodes JSON array and notes all active spots in the selected lot, setting the spot to taken and disabling the gesture detector
  + Displays entire parking lot
  + Exact same as ViewLot.java
* Ticket.java
  + Prompts the user to submit a complaint
  + Doesn’t send email directly, user can choose to go through an app of their liking
* Car.java
  + Creates car object and holds all information

**PHP**

* config.php
  + I’m pretty sure this file is just a formality, this isn’t used anywhere
* create\_table.php
  + Connects to database with login credentials and creates a table
  + Script ***must*** be ran before installing application
* add.php
  + Grabs info sent over from Android Studio, puts it in a query and executes, putting all information into the next available spot in the database
* read\_from\_db.php
  + Selects entire database and stores each row in a JSON Array
  + Sends JSON Array back to Android Studio