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| **Name:** Erik Meurrens, Benjamin Simonson, Ryan Jalloul, Evan Tobon, Samer Khatib  **Date:** 11/05/2024  **Team:** Parking Availability System (PAS) - ParKings | | **Upcoming Milestone:** Design Prototype  **Stakeholder:** Raven Kim Ramos |
| **Goals for upcoming milestone** | Produce a list of tangible goals for the upcoming sprint. Include a title and brief description of the goal, an estimated allotment of time, and a description of how it relates to the upcoming milestone specification. | |

* Finish Dart API wrapper functions (3 story points)
  + Complete last two functions to fully implement API
* Populate database with parking location data (1 story point)
  + We need data to work with in the LOT table, and currently all that data is hard-coded
* Configure EZ Park App to Access SQL Database (5 story points)
  + Use table data to populate list of ParkingLocation objects
  + Configure connection to database and how data will be requested
  + Layout UI for data to be displayed to user
* Design and Print Models for Hardware Housing
  + Story points: 15-20
  + Sensor testing
  + Getting screws /sandpaper for the model
  + Remodeling model because of a few mistakes
  + Looking into potential stepper motors for the camera

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| **Achievements since former milestone** | Report on the status of your progress since the last worksheet was filled out. Include a description and explanation for why each target was or was not accomplished. Estimate the time spent on each. |

* Completed Dart API wrapper functions to interface API with Mobile App (3 story points ~ 5 hrs)
  + Functions completed: getLot, getAllLots, updateLot
    - Struggled getting http requests to work with API using Dart
    - Struggled with updateLot function getting the ParkingLocation members to conform to JSON string object and to rules of the database
  + Functions incomplete: saveLot, deleteLot
  + Bugs/Issues:
    - getLot, getAllLots – received latitude, longitude values are swapped from true values in table (opened separate ticket)
    - updateLot – verified column needs to be updated to take in a date in form of YYYY-MM-DD and have some sort of null value
    - saveLot – missing ”evCharging” column corresponding to ParkingLocation class member variables
* Design and Print Models for Hardware Housing
  + Story points: 8 time took 30 hours printing and printing time was 2 hours then a failed so total time spent about 34 hours
  + 3D models of all the components needed