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| **Name:** Erik Meurrens, Benjamin Simonson, Ryan Jalloul, Evan Tobon, Samer Khatib  **Date:** 11/12/2024  **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. | |

* Alter the nature in how the raspberry pi interacts with the database
  + Need to change from instead of direct connection into the SQL database hosted on AWS to emplying the GET and SET HTTP APIs provided by Samer
* Start work into the provisional object detection model
* Populate database with parking location data (2 story point)
  + We need data to work with the LOT table, and currently all that data is hard-coded
  + This shouldn’t be too difficult but I keep expanding the scope as I work on it ☹
* Configure EZ Park App to access SQL database (5 story points)
  + Use table data to populate list of Parking Location objects ^^^
  + Configure connection to database and how data will be requested
  + Layout UI for data to be displayed to user

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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. |

* Did research into making object detection models with YOLO and Tiny-YOLO for real-time object detection.
* Completed Dart API wrapper functions to interface API with Mobile App (3 story points ~ 3 hrs)
  + Coded: getLot, getAllLots, updateLot, saveLot, saveLotFromJson, deleteLot
  + Tested: getLot, getAllLots, updateLot, saveLot, saveLotFromJson, deleteLot
  + Bugs/Issues:
    - Verified column still needs to be update to date format YYYY-MM-DD
* Populate database with parking location data (2 story points ~ 3 hrs)
  + Coded: ParkingLocation.toJson
  + Tested: ParkingLocation.toJson
  + Incomplete:
    - ParkingLocation.fromJson constructor
      * Bug/Issues: Difficulties parsing restriction start and end times from database string into TimeOfDay object :-‘(
    - Haven’t populated database yet, waiting to finish fromJson constructor