Capstone Steps

**Every day:**

1. Submit a written standup(morning):
   * + 1. What have you completed?
       2. What do you need to do next?
       3. What impediments do you currently have?
2. Submit progress video into slack instructor channel(End of day).
3. Possibly submit video to LinkedIn.

**Day 1**

1. **Pitch**
   * 1. **Give a brief overview of what your app is:**
        1. The app I am wanting to create is a vehicle maintenance and record keeping app that will allow you to:
           1. keep track of your vehicle’s miles per gallon consumption (overall avg, fill-up avg)
           2. keep track of your vehicle’s milage as you report fill-ups or maintenance records.
           3. Store maintenance records to look back on and keep track of.
           4. Find local shops to perform maintenance tasks.
           5. Remind you when a maintenance interval has been reached for specific tasks. I.e.(Rotate tires, change oil, check oil level, check antifreeze level and condition… etc.).
     2. **Describe the business problem your app solves:** 
        1. This app doesn’t necessarily solve any business problems, but it will allow a person to track their vehicle’s needs and remind or suggest a maintenance task to be completed. Which will relieve a lot of stress that vehicle owners have while keeping up with maintenance on their vehicles.
     3. **What third-party APIs, IF ANY, do you plan to use? Please list the API and what feature it ties to:** 
        1. Google Maps – I would use this API to generate a map showing local shops to take the vehicle for maintenance.
        2. Google Places – I would use this API to retrieve information on the local shops. I.e.(rating, hours of business, reviews… etc.)
     4. **What is your project's TECHNICAL wow factor? You need your project to stand out in some way. If you imagine presenting your project in an interview, what is the feature of your project you will be the most excited to talk about? That is your wow factor:**
        1. The wow factor for this project would be the feature of suggesting when to have a maintenance service done. I believe this may become one of the more difficult parts of this project.
2. **User Stories (by end of day 1)**

Project out of /200 weighted points

Presentation out of /50 weighted points

Entity Relationship Diagram sent to and approved by instructors: /25

weighted points

Total: /275 points

60 Total User Story Points

**User Stories**

•(7.5 points) As a vehicle owner, I want to be able to add/view/edit/delete any

of my vehicle, so I can start to store records and see data. (All CRUD)

•(5 points) As a vehicle owner, I want to be able to record gas fill-ups, so I can

see my gas usage data.

•(5 points) As a vehicle owner, I want to be able to record maintenance tasks

completed and who performed the maintenance tasks, so I can have that

data on record for future use.

•(5 points) As a vehicle owner, I want to see reminders for upcoming

maintenance tasks, so I can plan to have them completed.

•(15 points) As a vehicle owner, I want to see local shops on a map and in list

form, so I can compare locations and see shop information to help me decide

where to have the maintenance performed. (Using google maps api and

google places api)

•(7.5 points) As a vehicle owner, I want to see gas stations in my area on a

map, so I can easily navigate to a chosen station.

•(10 points) As a vehicle owner, I want to see overall data for all my vehicles

on a dashboard with charts, so I can see my personal data. (Using Google

Charts)

•(5 points) As a vehicle owner, I want to disable/enable a vehicle, so I can keep

the data I have stored, but not receive reminders about maintenance

intervals for that vehicle.

•As a developer, I want to have an aesthetically pleasing and intuitive user

interface/user experience (UI/UX) with all features of the application stylized.

(CSS, Bootstrap, Material UI, etc.)

1. **ERD**