Minutes Mar 3rd 2024

Check-In:

* Quinn 3D printed the chassis and is writing a code to test out the motors and movement

Change to Design:

* The motor that is used in the design (the given servomotor for the MSE Bot) likely does not provide enough torque to operate the dust-pan, hence this design will be changed to a gear-scooping mechanism (details in CAD) the hope is this new design will allow us to use the same motor and that this new design will be more reliable and robust
* Another idea brought up was the corkscrew extractor by Quinn, an option we can pursue if the gear idea does not work.
* 2 wheel design does not work, have to use 4 wheels

Objective for Meeting:

* Create an assembly on solidworks combining the parts we have
* Adjust chassis for the gear scooper and 4 wheels

Requirements for Milestone:

* Completed CAD model:
  + Chassis (Includes sorting System)
  + Gear Scooper (CHECK)
  + Wheels (adjust or use straight up MSE ones)
  + Put all it together
* Completed BOM
  + materials have to be chosen (might just do pure 3d printing)
  + find rate for 3d printing