MILESTONE 2 (STAGE 1) – SENSOR RESEARCH (COMPUTATION SUB-TEAM)

Team Number: | Thurs-22

Complete this worksheet individually *before* coming to Design Studio 14.

1. Each team member is expected to research 3 types of sensors for characterizing bins
   → Refer to Table 3 of the Computation Sub-Team Objectives document
2. For each sensor:
   → Briefly describe how the sensor works
   → Indicate the attribute you would measure to characterize each bin (refer to Table 4 of the Computation Sub-Team Objectives document)
1. Complete your sensor research on the following page
   → Be sure to clearly write your Team Number, Name and MacID

At the beginning of Design Studio, we will be asking that you copy-and-paste the tables into the **Milestone Two Team Worksheets.** It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their sensor research with the **Milestone Two Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into this **Milestone Two Team Worksheets** document allows you to readily access your team member's work
  - This will be especially helpful when completing *Stage 3* of the milestone

Team Number: Thurs-22

Name:	MacID:

Sensor Type	Description	Attribute(s)

MILESTONE 2 (STAGE 2) – CONCEPT SKETCHES (MODELLING SUB-TEAM)

Team Number: | Thurs-22

Complete this worksheet individually *before* coming to Design Studio 14.

1. Complete your sketch on a separate sheet of paper
   → Be sure to clearly write your Team Number, Name and MacID
2. Take a photo of your sketch
3. Insert your photo as a Picture (Insert > Picture > This Device)

At the beginning of Design Studio, we will be asking that you copy-and-paste the same photos into **Milestone Two Team Worksheets.** It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their concept sketches with the **Milestone Two Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into this **Milestone Two Team Worksheets** document allows you to readily access your team member's work
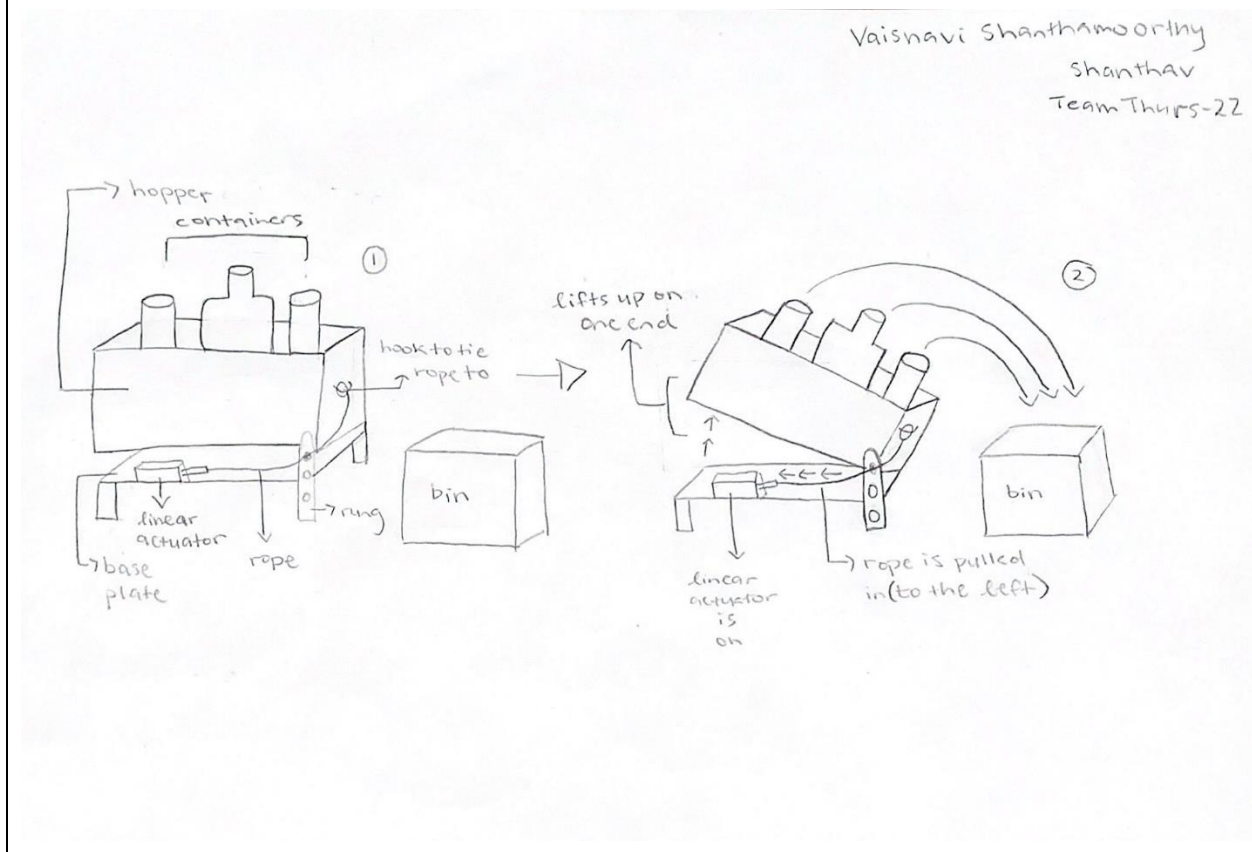 - This will be especially helpful when completing *Stage 4* of the milestone

Name: Vaisnavi Shanthamoorthy	MacID: shanthav

Insert screenshot(s) of your refined sketch below
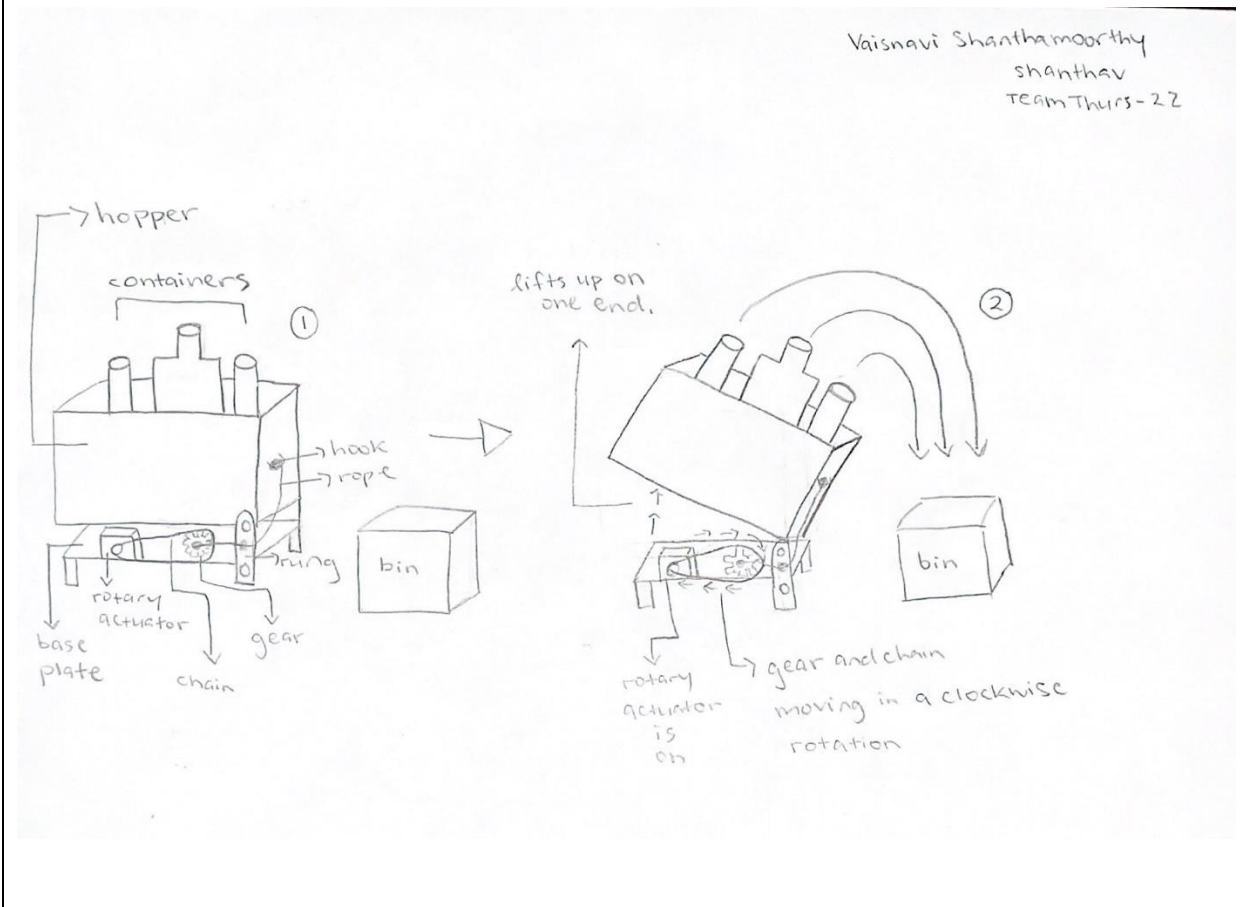
Concept Sketch #1: (using a Linear Actuator)

*For multiple sketches, please copy and paste the above on a new page

Name: Vaisnavi Shanthamoorthy	MacID: shanthav

Insert screenshot(s) of your refined sketch below

Concept Sketch #2: (using a Rotary Actuator)

MILESTONE 2 (STAGE 3) – SENSOR CHARACTERIZATION (COMPUTATION SUB-TEAM)

Team Number: | Thurs-22

Please complete this worksheet in your corresponding team document.

MILESTONE 2 (STAGE 4) – DECISION MATRIX (MODELLING SUB-TEAM)

Please complete this worksheet in your corresponding team document.