

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

Team Number:

Fri-18

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: Fri-18

Name:	MacID:
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Sensor Type	Description	Attribute(s)

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

Team Number:

Fri-18

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)

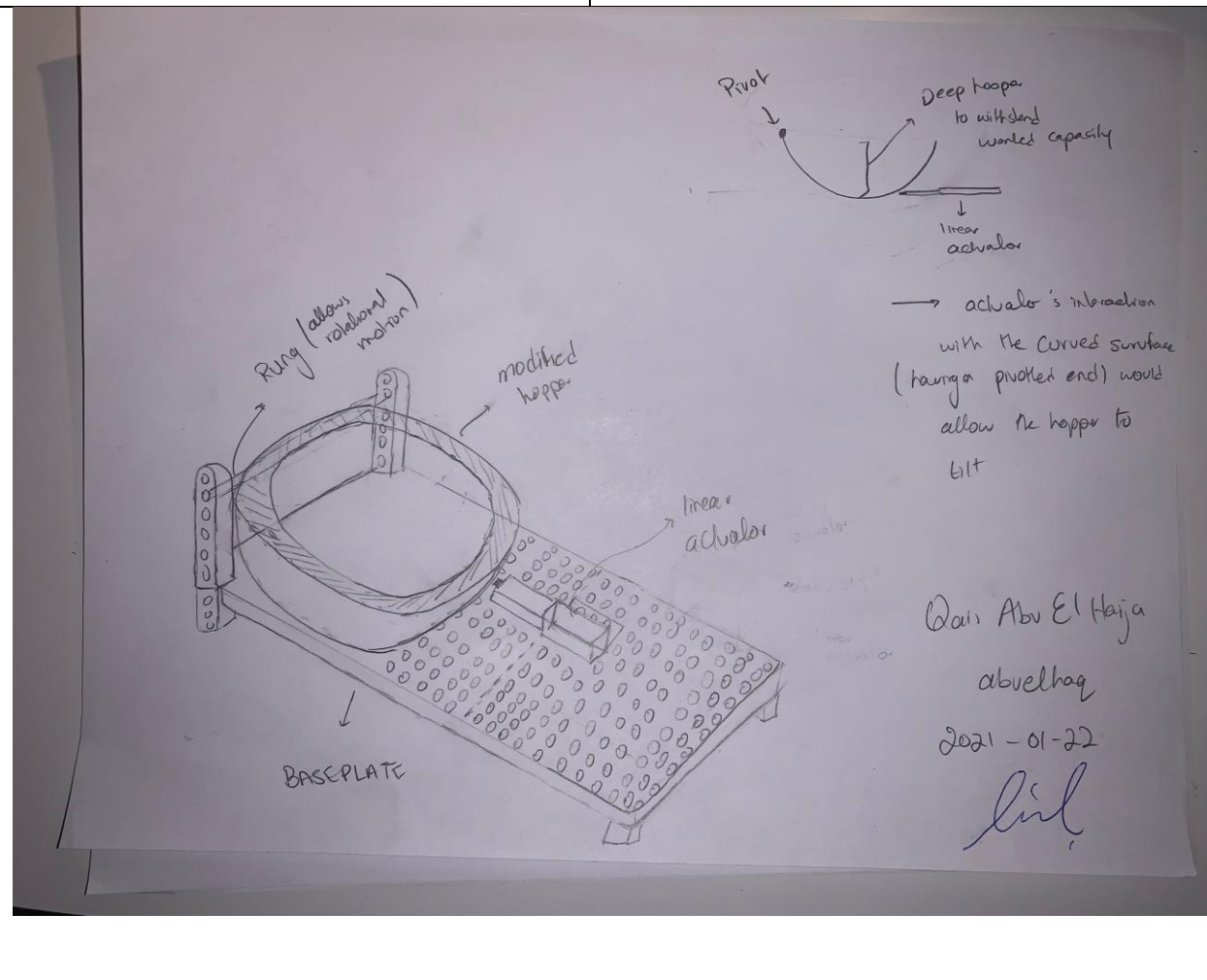
At the beginning of Design Studio, we will be asking that you copy-and-paste the same photos into **Milestone Two Team Worksheets**. It does seem redundant, but there are valid reasons for this:

- 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

Team Number: Fri-18

Name: Qais Abu El Haija

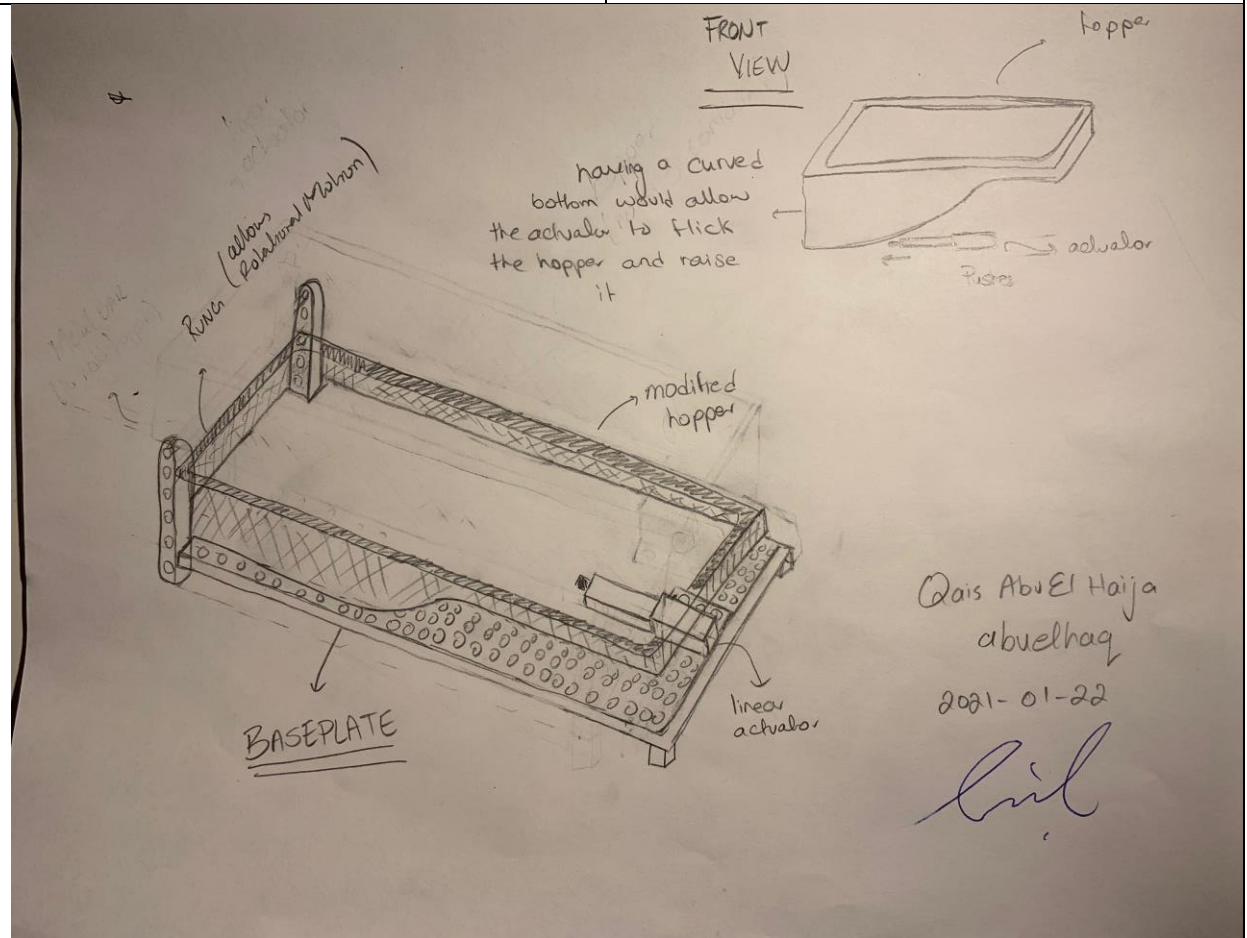
MacID: abuelhaq



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

Name: Qais Abu El haija

MacID: abuelhaq



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

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

Team Number:

Fri-18

Please complete this worksheet in your corresponding team document.
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MILESTONE 2 (STAGE 4) – DECISION MATRIX (MODELLING SUB-TEAM)

Please complete this worksheet in your corresponding team document.

MILESTONE 3 (STAGE 1A) – WORKFLOW PSEUDOCODE (COMPUTATION SUB-TEAM)

Team Number: Fri-18

Complete this worksheet individually *before* coming to Design Studio 15.

1. Write out a pseudocode outlining the *high-level workflow* of your computer program on the following page
 - Only one team member is responsible for this task (not *both*)
 - Be sure to clearly indicate who each code belongs to

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

- Each team member needs to submit their pseudocode with the **Milestone Three Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into the **Milestone Three 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:

Fri-18

Name:	MacID
<i>Write out a pseudocode outlining the high-level workflow of your computer program in the space below.</i>	

MILESTONE 3 (STAGE 1B) – WORKFLOW FLOWCHART / STORYBOARD (COMPUTATION SUB-TEAM)

Team Number:

Fri-18

Complete this worksheet individually *before* coming to Design Studio 15.

1. Copy-and-paste your flowchart or storyboard on the following page
 - Only one team member is responsible for this task (not *both*)
 - Be sure to include your Team Number, Name and MacID
2. Take a photo of your flowchart / storyboard
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 Three Team Worksheets**. It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their flowchart/storyboard screenshots with the **Milestone Three Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into the **Milestone Three 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:

Fri-18

Name:	MacID
<i>Insert screenshot(s) of your flowchart or storyboard.</i>	

MILESTONE 3 (STAGE 2) – DETAILED SKETCHES (MODELLING SUB-TEAM)

Team Number:

Fri-18

Complete this worksheet individually *before* coming to Design Studio 15.

1. Complete your sketch on a separate sheet of paper
→ Be sure to indicate each team member's Name and MacID
2. Take a photo of your sketch
3. Insert your photo as a Picture (Insert > Picture > This Device)

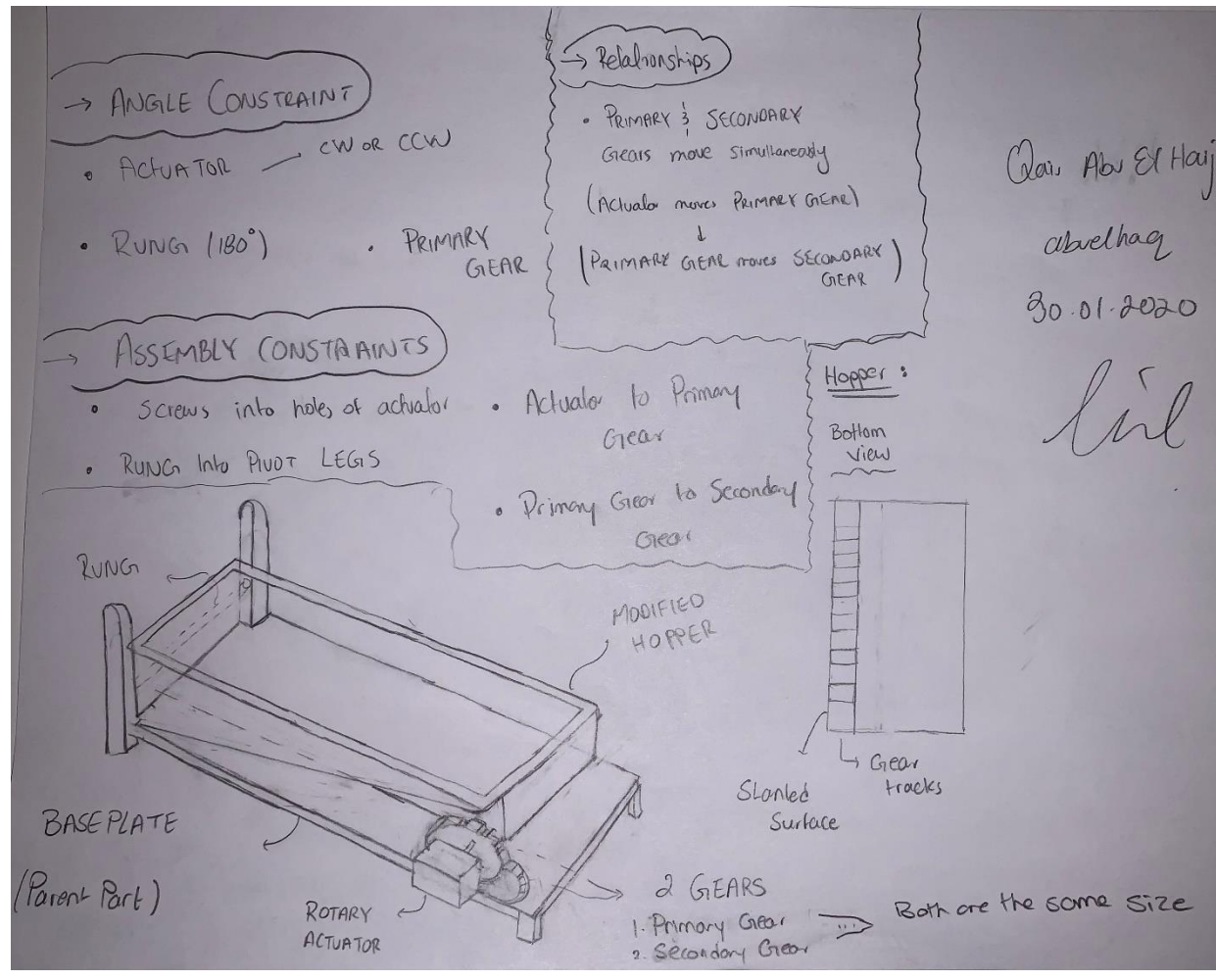
At the beginning of Design Studio, we will be asking that you copy-and-paste the same photos into **Milestone Three Team Worksheets**. It does seem redundant, but there are valid reasons for this:

- Each team member needs to submit their detailed sketches with the **Milestone Three Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into this **Milestone Three 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: Qais Abu El Haija

MacID: abuelhaq

Insert screenshot(s) of your detailed sketch below.



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

MILESTONE 3 (STAGE 3) – PROGRAM TASK PLANNING (COMPUTATION SUB-TEAM)

Team Number:

Fri-18

Please complete this worksheet in your corresponding team document.
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MILESTONE 3 (STAGE 4) – PRELIMINARY MODELLING (MODELLING SUB-TEAM)

Team Number: Fri-18

Please complete this worksheet in your corresponding team document.