

MILESTONE 1 (STAGE 1) – PRE-PROJECT ASSIGNMENT

Team Number: Tues-19

Complete this worksheet individually before coming to Design Studio 7.

1. List out objectives, constraints, and functions in the space below
 - Be sure include your Name and MacID
 - Each objective/constraint/function should be typed out as a separate bullet

Name: Sana Khan	MacID: khans288
<p><i>Objectives</i></p> <ul style="list-style-type: none">Container design should properly sterilizeA container that securely holds a toolContainer easy to pick upProgram is efficient <p><i>Constraints</i></p> <ul style="list-style-type: none">Must have a firm gripContainer must be 4mmSliding drawer must open before container is transferredContainer dimensions should fit end-effectorContainer must be designed to allow for sterilization <p><i>Functions</i></p> <ul style="list-style-type: none">Transfer the surgical tool into correct bin and colour of autoclaveBe able to identify correct colour and sizeShould be able to move to the correct locationContainer holds tool without it movingBe able to move without colliding with obstacles	

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

- Each team member needs to submit their list of objectives, constraints and functions with the **Milestone One Individual Worksheets** document so that it can be *graded*
- Compiling your individual work into this **Milestone One Team Worksheets** document allows you to readily access your team member's work
 - This will be especially helpful when completing **Stage 2** of the milestone

MILESTONE 1 (STAGE 2) – LIST OF OBJECTIVES, CONSTRAINTS, AND FUNCTIONS

Please complete this worksheet in your corresponding team document.

MILESTONE 1 (STAGE 3) – MORPHOLOGICAL ANALYSIS

Please complete this worksheet in your corresponding team document.

MILESTONE 1 (STAGE 4) – CONCEPT SKETCHES

Team Number:

Tues-19

Complete this worksheet after having done stage 3 as a team.

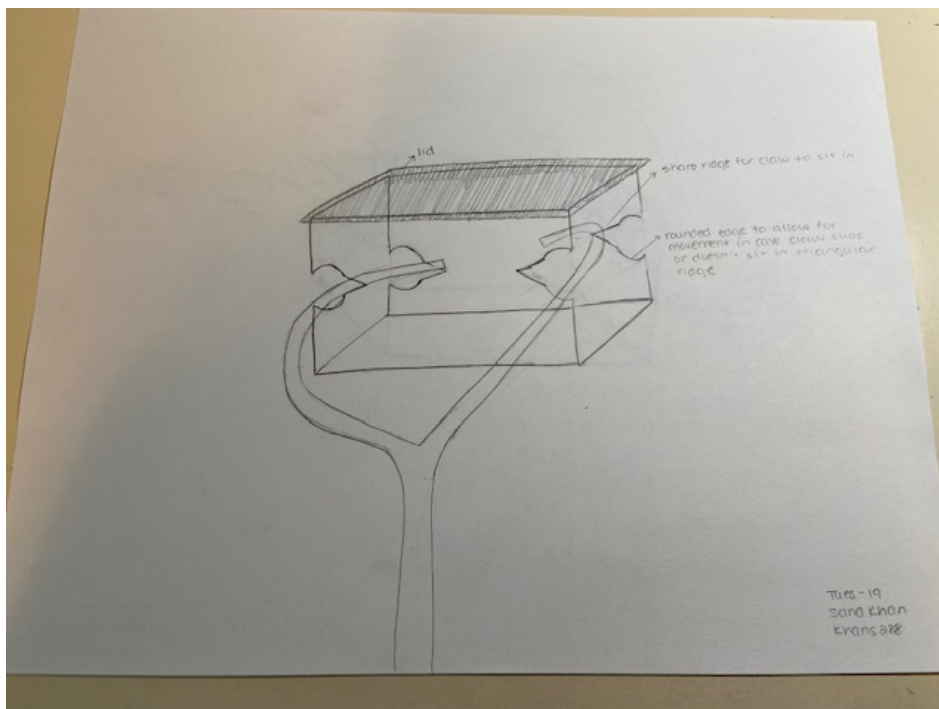
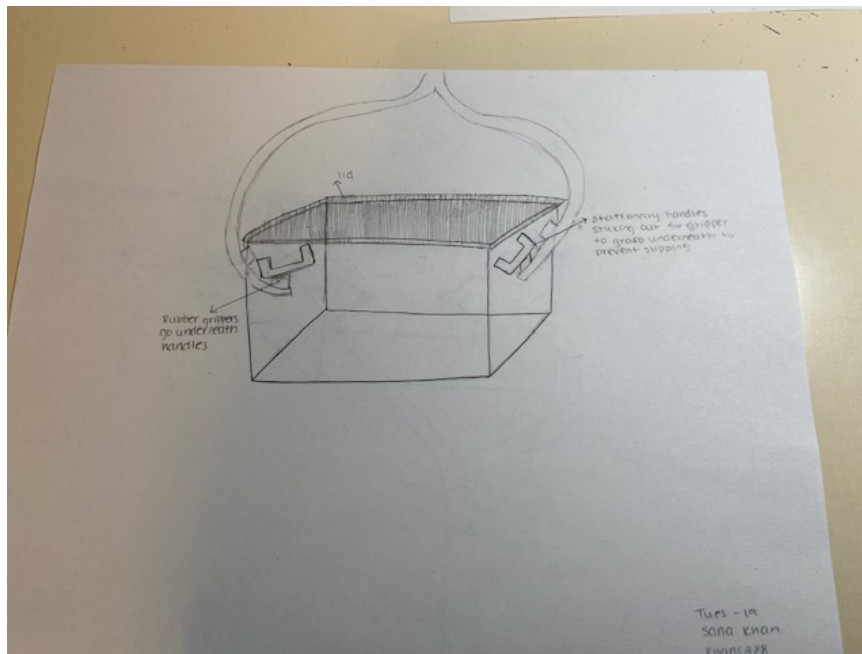
1. Complete your sketches on a separate sheet of paper
 - Be sure to clearly write your Team Number, Name and MacID on each sketch
 - Do **not** include concepts for the stabilization and sterilization of the tools
 - You can sketch only the container, and do not need to sketch the Q-arm itself unless it adds to the communication of your design
2. Take a photo of your sketch
3. Insert your photo as a Picture (Insert > Picture > This Device)
4. **Do not include more than one sketch per page**

Team Number: **Tues-19**

Name: Sana Khan

MacID: khans288

Insert screenshot(s) of your concept sketches below



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