

meng 293 – Project Management & Social Responsibility

assignment 2

In this assignment, you and your group (2 to 3 people) will extend the process of design and add some detail to the process.

Take the request from the client and do the following:

- a. Record exactly what the client says he/she wants.
- b. Restate the 'ask' in the most general way you can.
- c. Brainstorm and come up with at least 10 ideas that may satisfy the generally stated product request. This is the 'Ideation' (idea-generation) stage.
- d. Reflect on what you did in the Ideation stage. Now that you have really thought about the product create a set of REQUIREMENTS (see the document 'Requirements and Specifications').
- e. Now is the time to go through the process of 'Defining the Interfaces'. See page 3 of the document of that name and follow the steps detailed there.
- f. Repeat the 'Ideation' process and try and come up with 10 more ideas that might fit the bill.
- g. Based on your newly created Requirements, review your list of solutions (step c and step f) and reject all but two. Use the Requirements document to do this. Don't get personal.
- h. Now is the hard step.
Of the two remaining ideas ... pick one.
- i. Detail you chosen idea.
 - Do great sketches.
 - Read about sustainability in the Sustainable section in the course notes.
 - Think about and choose sustainably sourced materials for your product.
 - Think and design into the product what happens to it when the user wants to get rid of it.
- j. Create a short 'Specification' for your design. This should be pretty easy now that you have created such a good preliminary design.

Report

Report on **all this** in an **organized, easy to follow** report.

The style can be informal but it does need to be entirely readable and understandable.

Proofread! Then proofread again. Don't make it fancy (that is worth no marks at all) but make it good.