

## Unit 3, Topic 3 – The Design Brief

With your partner, create another Google Classroom document/presentation that includes a:

- **Short description** of the problem situation (You may use the paragraph from the Unit 3, Topic 2 handout) [1 mark]
- **Statement** of a specific problem (In one sentence, what is the problem?) [3 marks]
- **Criteria** (conditions and limitations) affecting the solution. Make a 2x2 table. In the left column, entitled “CONDITIONS”, list things that you need to build the prototype. In the right column, entitled “LIMITATIONS”, list things that could slow you down. Below is an example of conditions and limitations regarding the *changing of oil in a car*: [5 marks]

CONDITIONS	LIMITATIONS
1. Oil filter wrench	- There are 3 types of oil wrenches: a plastic cap; a strap; metal grippers. The plastic cap can be easily broken and is not sturdy. The strap can slip. The grippers can puncture.
2. Oil filter	- There are many sizes of filters. Getting the right one is critical.
3. Container to catch old oil	- Recycling the oil from the last oil change must be completed in order to catch this current oil
4. Rags	- There are none in the shop, so some paper towels or rags need to be purchased

- **Expectations** for the solution (List, in a point by point form, what your prototype should do) [5 marks]
- Information about the **tasks** the designers are expected to do or deliver (What jobs will you perform each? Who creates the web pages? Who does the design portfolio? Who cuts the cardboard? Who glues? What other jobs will there be? Who does those jobs?) [5 marks]
- During the last 7-10 minutes of class add another entry to your Daily Log (What did you accomplish today?)

**TOTAL: 19 MARKS**