-group\_A04-13

***ENGINEERING DESIGN PROJECT  
DELIVERABLE E – PROJECT PLAN & COST ESTIMATE  
TASK 03: PROTOTYPING EQUIPMENT LIST (HARDWARE & SOFTWARE)  
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# Abstract

This document comprises the 3rd task of Deliverable E, which is somewhat derived from the content of Task 02, the Bill of Materials and Structural Cost Estimate. The elements of this document will be used, in part, to test the prototypes that we, as a team, will fabricate in future deliverables, and thus is a predecessor to Task 04, our decided Prototype Testing Plan.

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# Introduction

This Document lists all the equipment (both in the form of either Hardware or Software) that we, as a team, need to complete our project from now until Design Day, including our Prototyping & Testing Deliverables. This Document’s use and purpose are the same: to inform on what needs to be employed, provided or otherwise acquired, for us to successfully complete this Design Project.

# 3. Background on the Equipment Needed

The equipment that that we hope to employ during our completion of this project are based on the needs of each deliverable. For instance, Deliverable A’s Equipment List (though somewhat short), would include Wrike Project Management Software, and Paper to have our Team Contract Printed on (and, by extension, the Printer would also be included on an exhaustive list, if the need arises for meticulous details). Deliverable B, on the other hand, needed an even smaller amount of equipment needed for its completion; the entire deliverable was completed more or less using Word Processing Software (from The Microsoft Corporation) alone, and by that time in the project’s history, our opportunities to employ Wrike in our Task delegation was limited by the fact that most of our team’s members did not have access to Wrike at that time. For Deliverables coming up in the future, these might include Portable USBs for Deliverable J (Design Day Presentations), and a Laser Cutter for our fabrication of Prototype II for Deliverable G. Those are just examples of the kinds of equipment (both Software & Hardware) that we have needed in past deliverables and that we will need in future deliverables, all for the successful completion of our Design Project.

# 3. Table of Equipment List (Hardware & Software)

|  |  |  |
| --- | --- | --- |
| ***Deliverable*** | ***Hardware Required*** | ***Software Required*** |
| F: Prototype I & Customer Feedback | * 3D Printer * Glue | * *Wrike* Project Management Software * *OnShape* CAD Software * *Microsoft Word* Word Processing Software |
| G: Prototype II & Customer Feedback | * 3D Printer * Laser Cutter * Laser Cutter Material | * *Wrike* Project Management Software * *OnShape* CAD Software * *AutoCAD* CAD Software * *Microsoft Word* Word Processing Software |
| H: Prototype III & Customer Feedback | * 3D Printer * Laser Cutter * Laser Cutter Material | * *Wrike* Project Management Software * *OnShape* CAD Software * *AutoCAD* CAD Software * *Microsoft Word* Word Processing Software |