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| DCW – Requirements | Group activity |

To Do

* Translate the User Needs into Requirements.
  + Only for UN-1 and UN-2 outlined below
* Fill out the Requirements table below
* Be prepared to disucss in class
* 4-min

Requirements need to:

* Specify a single, unique feature
* Written using appropriate auxiliary verbs and language
* Testable with corresponding **verification** test
* Testable with a binary pass/fail condition
* Should not include / define a solution

**User Needs**

*User Needs Matrix*

|  |  |
| --- | --- |
| ID | Description |
| UN-1 | Improved UX / UI to allow for operator control. |
| UN-2 | Improve Solidworks files to include assembly, hardware, configurations and drawings. |

**Requirements**

*User Needs Matrix*

|  |  |
| --- | --- |
| ID | Description |
| DI-1 | The User Interface shall allow the user to set pump flowrate. |
| DI-4 | The User Interface shall default to a givin initial value (TBD)  **(May be overdefined, could leave this one out)** |
| ~~DI-5~~ | **CAD model specifics are not requirements.**  ~~The CAD model shall include an assembly~~ |
| ~~DI-6~~ | **CAD model specifics are not requirements.**  ~~The CAD model shall include all hardware~~ |