

Project 1 Final Rubric (60 pts)

Please upload slide presentation PDF (with team number and team names on slide 1), CAD animation video (.mp4), and team contribution statements (templates in project 1 module) to Gradescope by the deadline. Note that if you change your slides between submission and presentation, only the submitted slides will be used for grading.

On the day of the presentation, please be prepared to present your slides and show the final working dispenser.

	Exemplary (100%)	Proficient (80%)	Developing (60%)	Deficient (30%)
Quality Communication (12 pts)				
Slide Clarity (3 pts)	Text and images are an appropriate size and legible. The main points are immediately visible.	Some elements are hard to read or understand due to sizing or layout, but overall understandable.	Difficult to interpret due to poor sizing, clutter, or weak organization	Critical information is missing or unreadable due to poor design and organization.
Vocal Clarity (3 pts)	Presentation is clear, well-prepared, and all members participate.	Generally clear, but presenters sometimes read from slides or notes.	Relies heavily on reading from slides, with weak audience engagement.	Presenters mostly read verbatim, are disorganized, or unprepared.
Content (6 pts)	Identifies the user's unique needs and how their design is well suited to meet them. Explains mechanism DOF and motion. Demonstration is well rehearsed. Team number and names appear on Slide 1.	Explains either the user experience or the design function, but does not fully connect the two. Explanations or demonstration of mechanism are incomplete or not well rehearsed.	Provides limited or unclear insight into the design process or user experience. Missing multiple significant details, limiting audience understanding.	Slides are incomplete or missing key content needed to understand the presentation. Verbal delivery adds no clarity or insight into design or operation.
Expense Report (3 pts)				
Expense Report (3 pts)	Use provided Excel template. Reports all incurred costs, incl. stockroom, mfg costs, "found" items, and personal spending and printing (not reimbursable).	Misses a few incurred costs.	Misses many incurred costs or exceeds budget.	Expense report is incomplete or missing (0%).
CAD model (9 pts)				
Completeness (6 pts)	Fully represents mechanism functionality and includes complete articulation or animation through at least 2 full cycles. Each element in the design is given a color to enhance visibility.	Demonstrates functionality but lacks full articulation or animation.	Does not reflect proper motion of the mechanism.	Missing major functional elements or otherwise incomplete.
BOM (3 pts)	Bill of Materials is included and an engineering drawing of an exploded view of the final design. All elements are included, and are easy to comprehend	Bill of Materials is included and an engineering drawing of an exploded view of the final design. Some elements are not included, or are difficult to comprehend	Bill of Materials is included, but not on exploded view engineering drawing. Some elements are not included, or are difficult to comprehend	Bill of Materials is incomplete or missing (0%)
Prototype (32 pts)				

Physical requirements (12 pts)	Prototype follows all physical requirements in Project 1 description.	Follows most requirements (1 out of 2 points awarded).	Multiple requirements not followed	Many requirements not followed
Completeness and functional requirements (12 pts)	Meets all functional requirements; clear evidence of quality craftsmanship and planning.	Functional but has minor problems; not fully polished.	Not functional; major motions fail; low craftsmanship.	Built mostly from cardboard/low-fidelity materials, or nonfunctional.
Consideration of user experience (8 pt)	Multiple design decisions (beyond aesthetics) deliver an ideal user experience.	Design decisions discussed but do not fully deliver the ideal user experience.	No clear evidence of design choices aimed at user experience.	Design choices actively work against user experience.
Team Contribution Statements (4 pts)				
Separately submitted document	All team members submitted entries under Team Contribution and Signed Academic Integrity Statements	Missing at least one part of entries	Missing many parts of entries	Statement is substantially incomplete or missing (0%).