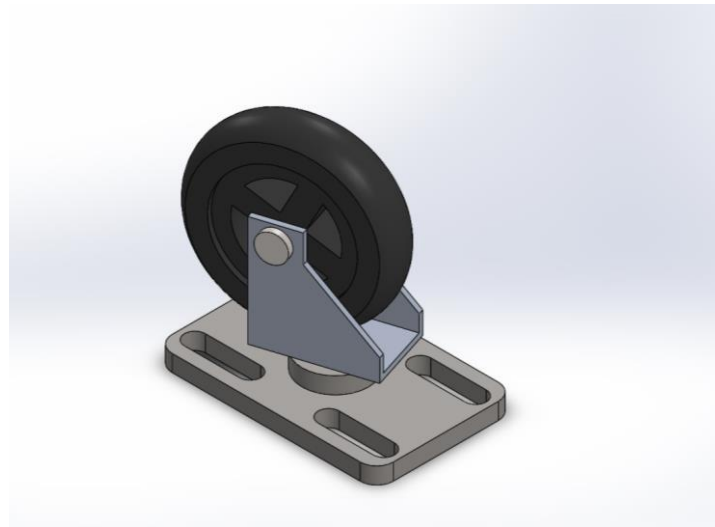


# ITP 308: Homework 3

Due: September 10, 2020 11:59pm

## Setup

This homework will be slightly different than the previous two. This homework already has a design and will require you to implement the design and create an assembly.



The requirements for each part are given in the attached PDFs.

## Requirements

Your job will be to model the individual components and to assemble them into a final assembly that is constrained to move only in certain modes. The pin is not allowed to rotate in the hole. The bracket and wheel should be able to rotate 360 degrees. The mountplate should not be able to move.

## Deliverables

You must submit:

1. All 4 part files. Name them:
  - a. Wheel.sldprt
  - b. Pin.sldprt
  - c. Bracket.sldprt
  - d. Mountplate.sldprt
2. Assembly file. Name it: WheelAssembly.sldasm

Compress all 5 files into a single zipped file named: **username\_hw3.zip** and submit to Blackboard.

## Grading

Description	Points
<b>Part Files (4 total)</b>	
• Sketches fully defined	1
• Part oriented correctly (origins match)	1
• Part modeled correctly	3
<b>Assembly</b>	
• Parts fully constrained	1
• Origins correctly placed	1
• Movement is accurate	3
<b>Total</b>	25

\*Note: Points will be deducted for incorrect submissions, using “Fix” relationships, under-defined sketches, and multi-body part files.