Justin Palpant

Stephen Wildish

Kunyao Yu

For our object we chose to create a model of one of the chairs in Hudson 208 and 207. The chair is ergonomically designed with two parts to the body of the chair, an upper half and a lower half, both made out of smooth plastic, fitted together in the middle of the back of the chair. The body of the chair is attached to a rotating arm by a metal bar, which is free to rotate and has some clearance for vertical sliding within a limited range. The arm consists of the horizontal connecting bar, a metal plate which mates to the body of the chair, and a bolt which holds the plate and cylinder together while allowing rotation of the chair body. In the real structure, the arm is anchored at the end opposite the chair to the entire desk via another metal bar around which the arm can rotate within a limited range of motion, but for our SolidWorks project, we ended the design at the rotating arm rather than attempting to design the entire desk.