We are designing three different car safety gadgets. First, we are designing brake lights that flash if the vehicle is stopping faster than a certain rate using an accelerometer. Second, we are designing a speedometer that will tell the driver what the speed limit is on the road they are on, using a GPS and a database of speed limits. Finally, we are designing a driver awareness sensor that will monitor the driver to make sure they stay awake while driving, using a camera and image processing.