Classifying and Grasping Objects according to shape

Zhouhang Sun
Shangyi Chen

https://www.youtube.com/watch?v=C2_Glf9lzLM
Model building

- Use solidworks to customize the model
- Use blender to set up properties and convert to format that gazebo can recognize
- Set up environment in gazebo world and placed the model inside
improvements

• Make better of moveit to optimize the motion planning part
• Object detection using openCV
• Utilize the camera on gazebo to locate the position of each object