

**CENG 6838 Robotics with Baxter**

BAXTER PROJECTS

Homework Baxter 2 Spring 2016

Due March 2, 2016

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Office D104

Put your name, Student ID, HW number, date, and the Course Number on your homework. Please submit a paper copy at the beginning of class. The assignment should be typed.

1. See Baxter's User Guide on our WEB site (40 Points):

[Baxter User's Guide](#)

Please read carefully to Page 21.

Write a brief summary of the major examples in the User's Guide – an outline will do with a sentence or two for each. However, describe the example **Example 6. Baxter's Cameras** in some detail.

2. Read the paper by Boyce and Mullins on the CENG6838 website or use the link below (40 Points):

– *Help Baxter See*

<http://www.jessicamullins.com/pdf/mullins-boyce.pdf>

Go through this article carefully and list the important points 30:

- a. What they did right
- b. What problems they had and how did they fix them.

View the video:

[http://sdk.rethinkrobotics.com/wiki/Worked\\_Example\\_Visual\\_Servoing](http://sdk.rethinkrobotics.com/wiki/Worked_Example_Visual_Servoing)

- c. Make brief comments on the actions of Baxter considering the Boyce-Mullins report you read (10).

3. References – You should have done last week:

View the You Tube Videos again and write a brief essay about the videos and the paper (20 points) - List the references for each videos.

Give me more detail now!!

a. **BAXTER Dunks A Ball** **Brandon Boyce** and Jessica Mullins

<https://www.youtube.com/watch?v=zMfi38ndXvY>

b. **BAXTER Sort Colored Balls - Author's View** **Brandon Boyce** and Jessica Mullins

[https://www.youtube.com/watch?v=zKR\\_vvnJlfA](https://www.youtube.com/watch?v=zKR_vvnJlfA)