**Team Name:**

The Mighty Ducks

**Members:**

Person 1, Person 2, Person 3

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**Software Architecture:**

(Paste detailed block diagram of your code here)

*Narrative description of your robot running the course:*

This is a textbox, which can be expanded if needed.

**Line Following:**

*Tuning the line following controller:*

PID gains? Balancing speed and accuracy? Challenges you overcame?

*Tuning**wheel controllers:*

Separate gains for each wheel? Challenges you overcame?

(Paste response curves for your wheel speeds here)

**Approaching and Grabbing Blocks:**

*Approaching the block:*

Implementation? Challenges you overcame?

*Grasping the block and returning to line:*

Implementation? Challenges you overcame?

**Classifying Blocks:**

*Description of your classifier:*

Implementation? Challenges you overcame?

*Training procedure:*

Implementation? Challenges you overcame?

(Paste data visualization and classifier performance here)

**Navigating the Course:**

*Stopping at bars and turning around 180 degrees:*

Implementation? Challenges you overcame?

*Finding branching paths and choosing which to go down:*

Implementation? Challenges you overcame?

*Maintaining a map of the course:*

Implementation? Challenges you overcame?

**Bonus Odometry:**

*Estimation procedure:*

Implementation? Challenges you overcame?

**Group Evaluation:**

*The best laid plans…*

Did your team stick to the timeline you outlined in the beginning? Did your team stick to the main roles outlined in the beginning? Did your team stick to the decision making process outlined in the beginning?

*Takeaways*

Can you all agree on things you would do differently next time as a team? What are they?