**Johnson & Johnson Robotics Control System Simulation Instructions**

**Overview**

This repository contains a Jupyter Notebook Template for the Johnson & Johnson Robotics Control System Simulation, specifically designed to help participants complete Task 1. The notebook provides exercises for diagnosing and optimizing control code within robotic systems.

**Contents**

* **Jupyter Notebook File**: Control System Diagnostics Template.ipynb
  + This notebook guides users through diagnosing response times, identifying delays, and testing optimizations for robotic arm control commands.

**Getting Started**

1. **Download the Notebook**: Click on the file and then click “Download” to save it to your computer.
2. **Open in Jupyter Notebook**: Open the downloaded .ipynb file in Jupyter Notebook, JupyterLab, or compatible software.
3. **Follow the Instructions**: The notebook contains step-by-step instructions for running diagnostics and recording findings.

**Requirements**

* **Software**: You will need Jupyter Notebook, JupyterLab, or a compatible environment to open the .ipynb file.
* **Python Libraries**: Ensure time and numpy libraries are available for running the notebook.

**Support**

If you have questions about using this notebook or completing the tasks, please refer to the provided program instructions or reach out to your program facilitator.