7MR10070: Software and Robotic Integration

Semester 2

Assignment 2

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# Robotic Simulation

## Introduction

describing the overall design for the RobotModel, RobotState, and “controller” by having a clear definition of the scope for each object (what parameters and variables does it have access to?) and justifying design choices based on scope definitions.

## Methods

should clearly define the implementation of the RobotModel, RobotState, a clear documentation of the application process interface, and the implementation of the controller client. This should be written in clear English (no pseudo code or code) but flow diagrams showing relationships between objects is highly encouraged.

## Validation

summarizing how the server-client interface was tested. Clear tests for both valid and invalid robot positions should be described with corresponding figures where appropriate.

# Code / Git Repository

<https://github.com/Meldanen/kcl/tree/master/robotics/ros/assignment_ws>