MECH 423 Final Project Proposal

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# Objectives

# Rationale

# List of Functional Requirements

Table 1 - List of Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Functional Requirements** | **% Effort** | **Responsible Person** |
| 2-axis gantry movement | 10% | Liam |
| Controls for moving pieces | 25% | Liam |
| Gripping/engaging pieces | 15% | Willem |
| Sensing piece position w/ camera | 25% | Willem |
| Chess AI/Integration | 25% | Liam + Willem |

# Functional Requirement #1

## Approach and Design

## Inputs and Outputs

## Parameters

## Development Plan

## Test Plan

# Functional Requirement #2

## Approach and Design

## Inputs and Outputs

## Parameters

## Development Plan

## Test Plan

# Functional Requirement #3

## Approach and Design

## Inputs and Outputs

## Parameters

## Development Plan

## Test Plan

# Functional Requirement #4

## Approach and Design

## Inputs and Outputs

## Parameters

## Development Plan

## Test Plan

# Functional Requirement #5

## Approach and Design

## Inputs and Outputs

## Parameters

## Development Plan

## Test Plan

# Most Critical Module

# Risks and Countermeasures

# Learning Objectives