

# **DIT636 / DAT560 - Assignment 5: Finite-State Verification**

Date Submitted:

Group Number:

Group Members:

# Model Specification

## **Overview of the Model**

Give a brief description of the system and environment you have modeled. You may find it useful to include diagrams/visualizations of the transitions between states.

## **Assumptions**

- State any assumptions you have made.

## **Requirements**

1. List all critical requirements that you expect the real system (and model) to obey.

## Safety Properties

For each property:

- Property written as temporal logic (LTL or CTL)
- Property written in natural language
- Explanation of why this is a safety property
- List requirements that this property corresponds to

## Liveness Properties

For each property:

- Property written as temporal logic (LTL or CTL)
- Property written in natural language
- Explanation of why this is a liveness property
- List requirements that this property corresponds to