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Test generation

MSc Project Laboratory 1

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Kivonat

Tesztgenerálásra alkalmas eszközök megismerése.

Abstract

In this semester we want to have a look at the test-generator idea and tools.

Chapter 1

Introduction

MSc Project Labor 1

Chapter 2

Garage Gate

2.1 State machine introduction

A garage gate fundamentally have 2 main states, the *Opened* and *Closed* states, which is shown below on 2.1. figure, with orange colours. First of all we can start from the *Closed* state, where we can open the gate with an 'open' command. This command sets the state machine in an *Opening* state. While opening the gate, somebody or something can move into the way, so this becomes *Block Opening*. The gate is opening, if the blocking stops. After the *Opening* phase succeeded the gate is *Opened*. In this state we can 'close' the gate with a simple command, and the state machine goes to the *Closing* state. There could be also a blocking action, which stops the closing movement. From this state the gate is starting the closing movement again after a few seconds *Lighting*. When the closing action finished the gate is *Closed*

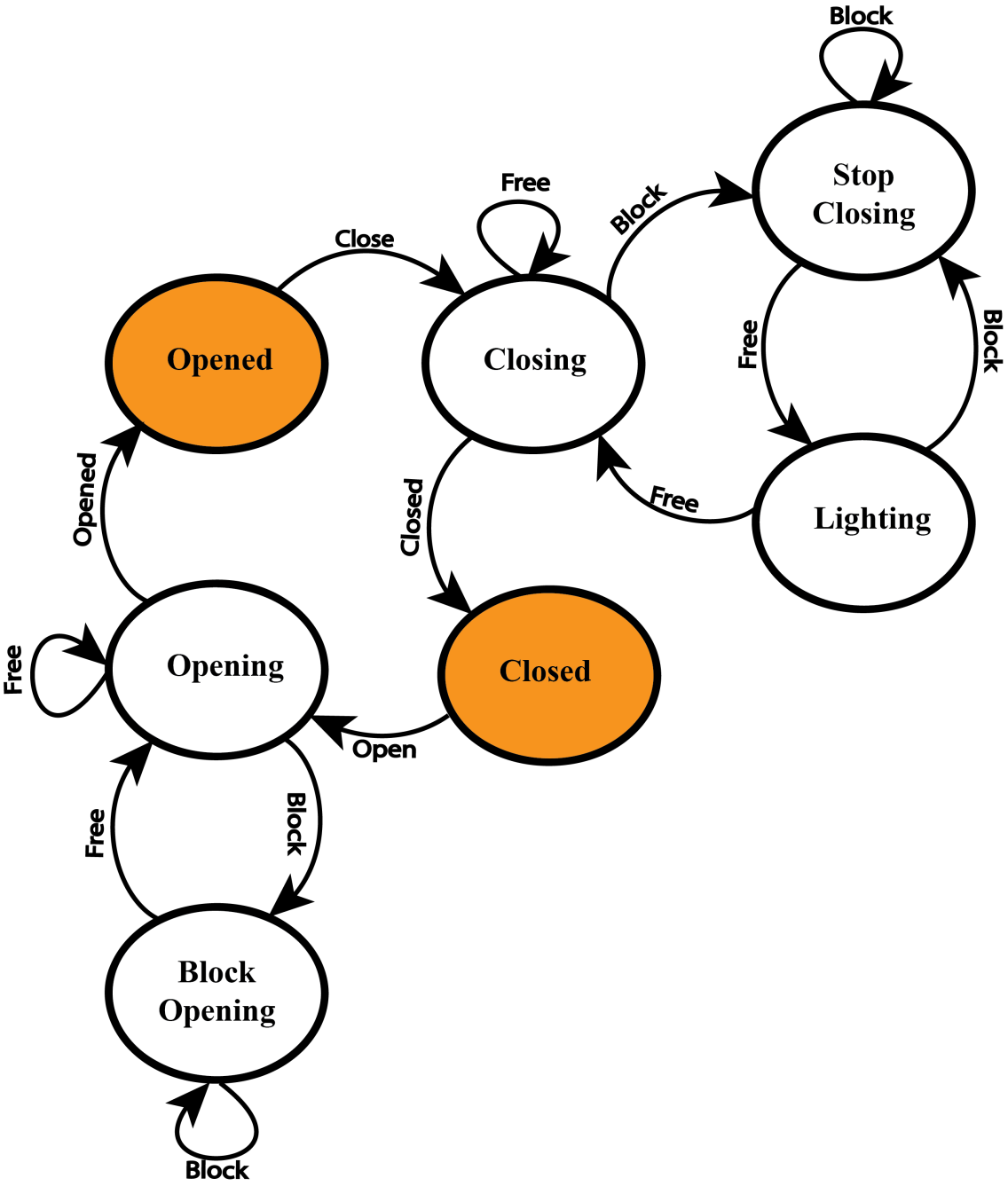

Figure 2.1: Garage gate state machine diagram

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