**Requirements Specification System for Target Finder**

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# Preface

This document is a project specific requirement document for use by Target Finder system. It provides guidance and specification to clients, project manager from Client Company to understand the system. It is also useful document and provides the project schedule and system design for developers, quality assurances, designers, and project managers from Software Company.

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| **Date** | **Version** | **Description** | **Author** |
| 05/04/2016 | 0.1 | Initial preface and Introduction. | Zijun Zhao |
| 05/05/2016 | 0.2 | Added user requirement definition.  Added system architecture. | Rudy Diaz |
| 05/06/2016 | 0.3 | Added system requirement specification.  Added system models.  Added system evolution. | Devin Taniguchi |

# Introduction

The Target Finder system is developing for a Robot Company to make robot moving like human. Machine learning has become one of the most important technological advances during the past two decades, as we try to teach machines how to learn and moving like humans. This project simulates the path-finding of the mouse to reach the destination in the shortest steps. Simulation assumes real time environment around the mouse inside the maze. The Target Finder system is an important artificial intelligent simulation for how to create a robot system that is capable of intelligent behavior. It includes functions such as micromouse, maze, direction and AI.

# Glossary

Client: Users who are using Target Finder system in Robot Company.

Administer: A person who manage the whole system.

Quality assurance: A person who is testing and monitoring for the system working properly.

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# User requirements definition

# System architecture

# System requirements specification

# System models

# System evolution

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