

## Contents

|   |          |
|---|----------|
| <b>Proposal .....</b>                           | <b>1</b> |
| <b>Introduction .....</b>                       | <b>1</b> |
| <b>Aims and Objectives .....</b>                | <b>1</b> |
| <b>Functional Requirements .....</b>            | <b>1</b> |
| <b>Non-Functional Requirements.....</b>         | <b>1</b> |
| <b>Requirement Specification Document .....</b> | <b>2</b> |
| <b>Stakeholder List (Actors).....</b>           | <b>2</b> |
| <b>FR01: Check valid move.....</b>              | <b>2</b> |
| <b>FR02: Check win.....</b>                     | <b>2</b> |
| <b>FR03: Display grid .....</b>                 | <b>2</b> |

## **Proposal**

### **Introduction**

Tic Tac Toe.

### **Problem Statement**

Tic Tac Toe.

### **Aims and Objectives**

1.Enable 2 player seamlessly gameplay.

### **Functional Requirements**

1. Check Valid Move
2. Check Win
3. Display grid

### **Non-Functional Requirements**

1. Ease of use

## Requirement Specification Document

### Stakeholder List (Actors)

1. Developer
2. Users

### FR01: Check valid move

| Req. no | Functional Requirement  |
|---------|---|
| FR01-01 | The software will conduct comparison before actual move                     |
| FR01-02 | If shared location already contains a sign other than 'empty', return false |

### FR02: Check win

| Req. no | Functional Requirement   |
|---------|--|
| FR02-01 | Software will check 8 possibilities for the last sign move: <ol style="list-style-type: none"> <li>i. 123</li> <li>ii. 456</li> <li>iii. 789</li> <li>iv. 147</li> <li>v. 358</li> <li>vi. 369</li> <li>vii. 159</li> <li>viii. 357</li> </ol> |
| FR02-02 | If 1 possibility true, return true.  |

### FR03: Display grid

| Req. no | Functional Requirement   |
|---------|--|
| FR03-01 | The software will display the grid with the current status of signs. |