Use Case: Pause

**Summary:** Pauses the game.

**Priority:** Low.

Extends:

Includes:

**Participators:** Player.

**Normal flow of events**

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |
| --- | --- | --- |
| 1 | Player presses the ”Pause” button. |  |
| 2 |  | The timer stops. |
| 3 |  | The gameboard turns black. |

**Alternate flows  
Flow 2.1 when the game is already paused**

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |  |
| --- | --- | --- | --- |
| 2.1.1 |  | | The timer starts. |
| 2.1.2 |  | The screen returns to normal. | |

Use Case: New Game

**Summary:** This is how the player starts a new game.

**Priority:** High.

**Extends:** game over?

**Includes:** -

**Participators:** Player

**Normal flow of events**

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |
| --- | --- | --- |
| 1 | Player presses the ”Start” button. |  |
| 2 |  | Reset board. |
| 3 |  | Place new gameboard. |
| 4 |  | Reset all stats. |

Use Case: Choose square

**Summary:** This is how the player select a button to reveal it’s content.

**Priority:** High

**Extends: ?**

**Includes:** ?

**Participators:** Player.

**Normal flow of events**A simple click with no consequences.

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | | Press an empty unclicked square. | |  |
| 2 |  | | Displays a number square. | |

**Alternate flows  
Flow 2.1 Player clicks on an empty square**

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.1.1 | |  | | Displays empty square. |
| 2.1.2 |  | | Reveals more empty squares and numbers. | |

**Flow 2.2 Player clicks on a mine square**

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.2.1 | |  | | Displays a mine. |
| 2.2.2 |  | | Reveal all mines.? | |
| 2.2.3 |  | | Game over. | |

Use Case: Powerup clear

**Summary:** The players shows an area to reveal all squares.

**Priority:** Low

**Extends:** Can’t afford

**Includes:** ?

**Participators:** Player.

**Normal flow of events**A simple click with no consequences.

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |
| --- | --- | --- |
| 1 | The player press the powerup ”Clear” button |  |
| 2 |  | The mouse changes to a predefined square area. |
| 3 | Players choose a ”group” of squares to clear. |  |
| 4 |  | Lose time. |
| 5 |  | All empty- and number- squares in the area are shown. |
| 6 |  | All mine-squares in the area gets flagged. |

Use Case: Powerup show

**Summary:** A powerup that let’s the player see all the mines in a short period of time.

**Priority:** Low

**Extends: ?**

**Includes:** ?

**Participators:** Player.

**Normal flow of events**A simple click with no consequences.

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |
| --- | --- | --- |
| 1 | The player presses the power-up ”Show” button |  |
| 2 |  | Lose time. |
| 3 |  | Reveal all the mines for a short period of time. |
| 4 |  | Hide all the mines that was shown. |

Use Case: Powerup extraflag

**Summary:** Let the player get an extra amount of flags to place

**Priority:** Low

**Extends: ?**

**Includes:** ?

**Participators:** Player.

**Normal flow of events**A simple click with no consequences.

|  |  |  |
| --- | --- | --- |
|  | Actor | System |

|  |  |  |
| --- | --- | --- |
| 1 | The player presses the power-up ”Extraflag” button |  |
| 2 |  | Lose time. |
| 3 |  | Increase the flagcounter. |