User Requirement Specification

Application Description:

**Use case 1 : Create a new project**

**Actor**: User

**Goal-level:** Sea-level

**Main Success scenario:**

1.User clicks the button of new project

2.System displays the empty blank space provided with design tools(car,lines,traffic light)

**Extension(s):**

1.

**Use case 2 : Saving a project**

**Actor** : User

**Goal-level:** Sea-level

**Main Success scenario:**

1**.**Userclicks the save button

2.System opens the file dialogue from the user desktop

3.User selects the folder and clicks the save button

4.System saves the project

**Extension(s):**

**1.**

**Use case 3 : Loading a project**

**Actor :** User

**Goa-level:** Sea-level

**Pre-conditions:** Theproject already saved to the user desktop

**Main Success scenario:**

1**.**User clicks the load button

2.System opens the folder from the user desktop

3.User selects the project

4.System displays the project.

**Extension(s):**

**1.**

**Use case 4 : Starting the simulation**

**Actor :** User

**Goa-level:** Sea-level

**Pre-conditions:** The project already designed with the requirement design

**Main Success scenario:**

1.User clicks the start button

2.System runs the application

**Extension(s):**

**1.**

**Use Case 5: Stopping the Simulation**

**Actor :** User

**Goa-level:** Sea-level

**Main Success scenario:**

**Extension(s):**

**1.**

**Use Case 6: Stopping the Simulation**

**Actor :** User

**Goa-level:** Sea-level

**Main Success scenario:**

**Extension(s):**

**1.**

**Use Case 7: Displaying Traffic Graph**

**Actor :** User

**Goa-level:** Sea-level

**Main Success scenario:**

**Extension(s):**

**1.**

**Use Case 8: Print Traffic Graph**

**Actor :** User

**Goa-level:** Sea-level

**Main Success scenario:**

**Extension(s):**

**1.**