Team B ­ Ekathra

ISSUES TRACKING

There are basically five kinds of models in the traffic modelling system where the traffic in various models is to be considered and controlled according to certain traffic rules and limits.

In this project we have come across the below issues:

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| S.No | MODEL | ISSUE | SOLUTION | STATUS |
| 1 | Input values | Had an issue while documenting the requirements based on input values. | It need to fetch some default values from the file if the user didn’t input any values. | Resolved |
| 2 | Assigning directions to vehicles. | There was an issue in assigning the percentage of vehicles to move in which direction at the junctions. | The direction in which the vehicle need to turn should be assigned before reaching the junction or as soon as they cross before junction. | Resolved |
| 3 | Issue related to the traffic  Signals. | The placement of the traffic signals at appropriate road systems is also a challenge. | We have put the traffic signals on the road itself. According to the traffic they will blink with green or red colors. | Resolved |
| 4 | Issue related to selection of road types by the user. | The maximum number of road types that the user can select (Drag and Drop) for the simulation. | Had a client meeting and came up with a solution. | Resolved |
| 5 | Acceleration and deceleration speeds of the vehicles | On what basis the vehicles should accelerate or decelerate. | There will buffer time calculated between the cars which helps in deciding whether the car need to accelerate or decelerate. | Resolved |
| 6 | Output Values | The Attributes that need to be present in the output file. | Had a client meeting and decided the attributes that need to be taken in the output file. | Resolved |
| 7 | Team collaboration | Due to different class timings and sudden meetings, we are unable to meet. | Took class schedules of team members and planned accordingly. | Resolved |
| 8 | Requirement understanding | Each team member has a different understanding about the requirements. | Scheduled a team meeting and cleared all the fuss. | Resolved |
| 9 | Team Communication | There is no proper communication among the team members regarding certain problems. There is no immediate solution for a problem. | We created a google document for any doubts so that people can get immediate answers. | Resolved |
| 10 | Drag and Drop Feature | It was very complex and very time taking so we have stopped working on that. | We have dropped this functionality from the project and started working on the 2-D layout. | Resolved |
| 11 | 2-D layout | The issue was how the GUI of the 2-D layout should look like. | We had a discussion regarding issue and came up with a prototype. | Resolved |
| 12 | Stopping of cars at the stop signs. | Some vehicles are skipping the stop signs and going ahead with the path. | Currently working on this issue as to why this has occurred and what needs to be done to avoid this. | Needs to be resolved. |
| 13 | Round about component. | Improper working of the functionality related to the roundabout as the car is not taking the path the way it should be taking when on the roundabout. | We are currently working on this issue and will come up with a proper solution. | Needs to be resolved. |
| 14 | File System | We were supposed to build a file system to store the input values but due to the time complexity we were not able to build this system. | We have dropped this feature as it was very complex and time taking. | Resolved. |
| 15 | Input Validations | If a user enters an alphanumeric value it was accepting the value as input, instead it should not accept the alphanumeric as an input. | Now our code does not accept alphanumeric values it will only accept the alphabets. | Resolved. |