

Welcome

Team Simulus

Project  
Description

Aims

Project  
Organisation

Progress

Demonstration

Questions

# 7CCSMGPR - Traffic Simulation Project

**Team Simulus**

King's College London

*<https://github.com/leorohr/simulus>*

11 February 2015

# Aims (through MoSCoW Analysis)

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- **Must**

- Individual Vehicles
- Vehicle Entrance and Exit
- Vehicle Behaviour
- Statistics - Delay, Average Speed, Distance Travelled
- Traffic Management Policies - traffic signal timing, speed limit, etc

- **Should**

- Emergency Services
- User Maps (Map Editor)

- **Could**

- Save/Load User Maps
- External Map Source e.g. Google Maps

- **Won't**

- Pre-existing Traffic Simulators or Libraries

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- **Working Policy**

- Cooperation
- Equality
- Responsibility
- Self-Organisation

- **Methodology**

- Constraint - Time Pressure
- Iterative and Incremental
- Emphasis on Feedback

- **Flexible Roles**

- Research and Designer
- Developer GUI, Model Implementation
- Documentation Analyst

- **Collaboration**

- Meetings, GitHub, Facebook, WhatsApp

- **Peer Assessment and Conflict Resolution**

- Equal Weighting
- Voice, Vote, Resolve

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ID	Task Name	Duration	Start	Finish
1	Phase 1 - Formation	7.5 days	Thu 15/01/15	Fri 23/01/15
2	Form Team	1 hr	Thu 15/01/15	Thu 15/01/15
3	Ratify Working Policy	2 hrs	Thu 15/01/15	Thu 15/01/15
4	Setup GitHub Repository	1 hr	Thu 15/01/15	Thu 15/01/15
5	Create Project Workspaces	1 day	Thu 15/01/15	Thu 15/01/15
6	Individual Research	7 days	Thu 15/01/15	Thu 22/01/15
7	Voluntary Team Formation	0 days	Fri 23/01/15	Fri 23/01/15
8	Phase 2 - Research	7.5 days	Fri 23/01/15	Fri 30/01/15
9	MoSCoW Requirements	3 hrs	Fri 23/01/15	Fri 23/01/15
10	Identify Tasks	2 hrs	Fri 23/01/15	Fri 23/01/15
11	Agree Roles	1 hr	Fri 23/01/15	Fri 23/01/15
12	Research - Map Representation	6 days	Fri 23/01/15	Thu 29/01/15
13	Research - 2D/3D Graphics	6 days	Fri 23/01/15	Thu 29/01/15
14	Research - Languages/ Platforms	6 days	Fri 23/01/15	Thu 29/01/15
15	Research Review	4 hrs	Fri 30/01/15	Fri 30/01/15
16	Final Team Formation	0 days	Mon 26/01/15	Mon 26/01/15
17	Phase 3 - Implementation	32.5 days	Fri 30/01/15	Thu 05/03/15
18	Intern Report	7.5 days	Fri 30/01/15	Fri 06/02/15
19	Report & Presentation Review	3 days	Sat 07/02/15	Tue 10/02/15
20	Intern Report Submission	0 days	Tue 10/02/15	Tue 10/02/15
21	Intern Presentation	0 days	Wed 11/02/15	Wed 11/02/15
22	I&I Cycle 1	6.5 days	Fri 30/01/15	Thu 05/02/15
23	Requirements & Plan	6.5 days	Fri 30/01/15	Thu 05/02/15
24	Analysis & Design	6.5 days	Fri 30/01/15	Thu 05/02/15
25	Development	6.5 days	Fri 30/01/15	Thu 05/02/15
26	Testing & Evaluation	6.5 days	Fri 30/01/15	Thu 05/02/15
27	I&I Cycle 2	6.5 days	Fri 06/02/15	Thu 12/02/15
28	Requirements & Plan	6.5 days	Fri 06/02/15	Thu 12/02/15
29	Analysis & Design	6.5 days	Fri 06/02/15	Thu 12/02/15
30	Development	6.5 days	Fri 06/02/15	Thu 12/02/15
31	Testing & Evaluation	6.5 days	Fri 06/02/15	Thu 12/02/15
32	I&I Cycle 3	6.5 days	Fri 13/02/15	Thu 19/02/15
33	Requirements & Plan	6.5 days	Fri 13/02/15	Thu 19/02/15
34	Analysis & Design	6.5 days	Fri 13/02/15	Thu 19/02/15
35	Development	6.5 days	Fri 13/02/15	Thu 19/02/15
36	Testing & Evaluation	6.5 days	Fri 13/02/15	Thu 19/02/15
37	I&I Cycle 4	6.5 days	Fri 20/02/15	Thu 26/02/15
38	Requirements & Plan	6.5 days	Fri 20/02/15	Thu 26/02/15
39	Analysis & Design	6.5 days	Fri 20/02/15	Thu 26/02/15

ID	Task Name	Duration	Start	Finish
40	Development	6.5 days	Fri 20/02/15	Thu 26/02/15
41	Testing & Evaluation	6.5 days	Fri 20/02/15	Thu 26/02/15
42	Implementation Complete	0 days	Fri 27/02/15	Fri 27/02/15
43	I&I Cycle 5 (Buffer)	6.5 days	Fri 27/02/15	Thu 05/03/15
44	Development OR Start Phase 4	6.5 days	Fri 27/02/15	Thu 05/03/15
45	Phase 4 - Report	19.5 days	Fri 06/03/15	Fri 27/03/15
46	Introduction	15.5 days	Fri 06/03/15	Sun 22/03/15
47	Literature Review	15.5 days	Fri 06/03/15	Sun 22/03/15
48	System Design	15.5 days	Fri 06/03/15	Sun 22/03/15
49	Implementation	15.5 days	Fri 06/03/15	Sun 22/03/15
50	Conclusion & Evaluation	15.5 days	Fri 06/03/15	Sun 22/03/15
51	Report & Presentation Review	3 days	Mon 23/03/15	Wed 25/03/15
52	Final Report Submission	0 days	Thu 26/03/15	Thu 26/03/15
53	Final Presentation	0 days	Fri 27/03/15	Fri 27/03/15

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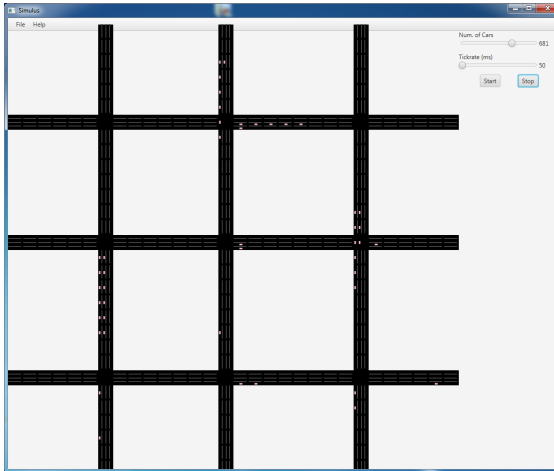
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