

Welcome

Team Simulus

Project Description

Aims

Project Prganisatio

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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Organisatio

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Questior

Must

- Individual Vehicles
- Vehicle Entrance and Exit
- Vehicle Behaviour
- Statistics: Delay, Average Speed, Distance Travelled
- Traffic Management Policies

Should

- Emergency Services
- User Maps

Could

- Save/Load User Maps
- External map source e.g. Google Maps

Won't

Pre-existing Traffic Simulators or platforms



Project Organisation

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Progres:

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Working Policy

- Cooperation
- Equality
- Responsibility
- Self-Organisation

Methodology

- Constraints Time Management
- 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





Demonstration

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Progress

Demonstration

,	Task Name	Duration	Start	Finish		5 5 M T		26 Jan '25	W T F	02 Feb "15	w T F S	09 Feb 15 S M T
	Phase 1 - Formation	7.5 days	Thu 15/01/15	Fri 23/01/15	WITE	SSMT	WITE	SSMIT	WITE	SMIT	WITES	SMIT
	Form Team	1 hr	Thu 15/01/15	Thu 15/01/15	as,em,							
	Ratify Working Policy	2 hrs	Thu 15/01/15	Thu 15/01/15	AS,EM,	JW,LR,PB						
	Setup GitHub Repositry	1 hr	Thu 15/01/15	Thu 15/01/15	= LR							
	Create Project Workspaces	1 day	Thu 15/01/15	Thu 15/01/15	AS,J	W,LR						
,	Individual Research	7 days	Thu 15/01/15	Thu 22/01/15			AS,EM,J					
	Voluntary Team Formation	0 days	Fri 23/01/15	Fri 23/01/15			→ 23,0	1				
	Phase 2 - Research	7.5 days	Fri 23/01/15	Fri 30/01/15					$\overline{}$			
-	MoSCoW Requirements	3 hrs	Fri 23/01/15	Fri 23/01/15				EM,JW,LR,PB				
10	Identify Tasks	2 hrs	Fri 23/01/15	Fri 23/01/15				EM,JW,LR,PB				
1	Agree Roles	1 hr	Fri 23/01/15	Fri 23/01/15			TAS	EM,JW,LR,PB				
12	Research - Map Representation	6 days	Fri 23/01/15	Thu 29/01/15					AS,LR			
13	Research - 2D/3D Graphics	6 days	Fri 23/01/15	Thu 29/01/15					EM,JW,U			
4	Research - Languages/ Platforn	s 6 days	Fri 23/01/15	Thu 29/01/15					AS,EM,JV	/,LR,PB		
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				→ 26,01				
.7	Phase 3 - Implementation	32.5 day		Thu 05/03/15								
.8	Interm Report	7.5 days	Fri 30/01/15	Fri 06/02/15							AS,I	м
19	Report & Presentation Review	3 days	Sat 07/02/15	Tue 10/02/15							*	
10	Interm Report Submission	0 days	Tue 10/02/15	Tue 10/02/15								
11	Interm Presentation	0 days	Wed 11/02/15	Wed 11/02/15								
12	181 Cycle 1	6.5 days	Fri 30/01/15	Thu 05/02/15								
13	Requirements & Plan	6.5 days	Fri 30/01/15	Thu 05/02/15							EM,JW,LI	
14	Analysis & Design	6.5 days	Fri 30/01/15	Thu 05/02/15							EM,JW,LI	
5	Development	6.5 days	Fri 30/01/15	Thu 05/02/15							EM,JW,LI	
16	Testing & Evaluation	6.5 days	Fri 30/01/15	Thu 05/02/15							EM,JW,LI	3
27	181 Cycle 2	6.5 days	Fri 06/02/15	Thu 12/02/15								
8	Requirements & Plan	6.5 days	Fri 06/02/15	Thu 12/02/15								
9	Analysis & Design	6.5 days	Fri 06/02/15	Thu 12/02/15								
10	Development	6.5 days	Fri 06/02/15	Thu 12/02/15								
11	Testing & Evaluation	6.5 days	Fri 06/02/15	Thu 12/02/15								
12	181 Cycle 3	6.5 days	Fri 13/02/15	Thu 19/02/15								
13	Requirements & Plan	6.5 days	Fri 13/02/15	Thu 19/02/15								
4	Analysis & Design	6.5 days	Fri 13/02/15	Thu 19/02/15								
15	Development	6.5 days	Fri 13/02/15	Thu 19/02/15								
16	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								
9	Analysis & Design	6.5 days	Fri 20/02/15	Thu 26/02/15								
	Tack			Project Summary	_	Manual Task		Start-only	c	Deadline		
Project: 7CCSMGPR Grp Prj Date: Sun 08/02/15 Revision: 05 Milesta Summa				Inactive Task		Duration-only		Finish-only	3	Progress		
		ane.	•	Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress		
				Inactive Summary				External Milestone				



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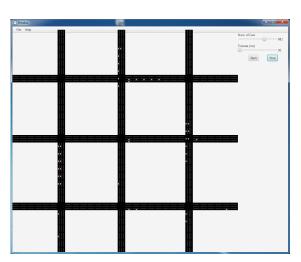
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Project Organisati

Progress

Demonstration

Questions





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Welcome

Team Simulus

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Project Organisatio

Progress

Demonstration

Questions