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Preface

Our group consists of five members: Yousef Abu Zahra, Alina Baciú, Borislav Pavlov, Bozhidar Bonev and Ghazi Abdul Fattah.

The purpose of this project is to deliver a fully functional traffic lights simulator as requested by our client, Andrius Kuprys.

The following document shows a series of actions which are carried out each week in order to achieve the particular wanted results for the ProCp project during the study weeks, together with the problems, challenges and decisions made during that period.

Another part of this document is represented by the „Personal Reflection” chapter, where we individually describe our experience gained while working on this project and „Extra Achieved & Completed” chapter where we describe what tasks we successfully completed.

Division of work among team members

Kick off phase

Week 1

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Proposal for the project	2h	100%	100%	(Wasn't in the team at the time)	100%	100%
2.	Concept version of project plan	3h					
	Total time		5h	5h		5h	5h

Week 2

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Research the to-be implemented application	1h	100%	100%	100%	100%	100%
2.	Update Concept version of Project Plan	1h	100%	100%	100%	100%	100%
3.	Create concept version of URS – Use Cases:						
a.	Start simulation	1h			100%		
b.	Stop simulation	1h			100%		
c.	Pause simulation	1h			100%		
d.	Create custom layout	1h	100%				
e.	Reset the map layout	1h	100%				
f.	Add/Remove one-way roads	2h					100%
g.	Add/Remove two-way roads	1,5h					100%
h.	Generate report	1h	100%				
i.	Save a file	1h		100%			
j.	Save as file	1h		100%			
k.	Specify number of cars generated	1h		100%			
l.	Add/Remove intersections	1,5h				100%	
m.	Add/Remove roads with traffic lights & Zebra Crossing	1,5h				100%	
4.	Create Meeting Minutes document	1h		100%			
5.	Create Meeting Agenda	30m	100%				
	Total time		5.5h	6h	5h	5h	5.5h

Initial phase

Week 3

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Discuss project plan	1h	100%	100%	100%	100%	100%
2.	Concept plan for iteration 1	3h					100%
3.	Update Project Plan & URS	1h	100%	100%	100%	100%	100%
4.	Use Case Diagram	2h				100%	
5.	User Interface Sketches	7h	60%	40%			
6.	Create Meeting Minutes document	1h		100%			
7.	Create Meeting Agenda	30 min	100%				
	Total time		6,5h	6h	2h	4h	5h

Week 4

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Discuss URS & plan for iteration 1	2h	100%	90%	90%	95%	90%
2.	Updated URS & plan for iteration 1	1,5h	100%	100%	100%	100%	100%
3.	Create work division report	1h		100%			
4.	Create meeting minutes	1h		100%			
5.	Create Meeting Agenda	30 min	100%				
	Total time		4h	5.5h	3.5h	3.5h	3.5h

Iteration 1

Week 5

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Discuss future changes	1h	100%	100%	100%	100%	100%
2.	Update URS	1,5 h	100%	100%	100%	100%	100%
3.	Update work division report	1h		100%			
4.	Create meeting minutes	30 min		100%			
5.	Create Meeting Agenda	30 min	100%				
	Total time		3h	4h	2.5h	2.5h	2.5h

Week 6

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghaz i
1.	Search Programming Design Patterns	2h	100%	90%	90%	90%	90%
2.	Create small demo application	20h	100%				
3.	Create Concept Version of plan per Iteration 2	2h					100%
4.	Code						
a.	Cars logic (Mediator included)	8h	100%				
b.	Roads/Lanes/Grid /Cells	10h				50%	50%
c.	Simulation & file options	2h		100%			
d.	Design the GUI	1.5h			100%		
	Documentation						
5.	Update Work Division Report	1h		100%			
6.	URS Update					100%	
7.	Design Document						
8.	Create meeting minutes	1h		100%			
9.	Create Meeting Agenda	30 min	100%				

10.	Concept version of the UML diagram	1.5h	100%				
	Total hours		32h	6h	3.5h	9h	9h

Week 7

Nr.	Task	Total Time	Yousef	Alina	Bozhidar	Borislav	Ghazi
1.	Code						
a.	Cars logic	5h	100%				
b.	Roads/Lanes/Grid /Cells	5h				60%	40%
c.	Simulation File options	1h		100%			
d.	Design the GUI	1.5h			100%		
	Documentation						
5.	Update Work Division Report	1 h		100%			
6.	URS Update					100%	
5.	Create Meeting minutes	1 h		100%			
6.	Create Meeting Agenda	30 m	100%				
7.	Final Version of plan for iteration 2	1h					100%
8.	Iteration 1 reflection	1h	100%				
	Total hours		6.5h	3h	1.5h	5h	3.5h