EGE UNIVERSITY

FACULTY OF ENGINEERING

COMPUTER ENGINEERING DEPARTMENT

SOFTWARE ENGINEERING

2022–2023 FALL SEMESTER

GROUP 32

CITY GUIDE APPLICATION

PROJECT PLAN REPORT

DELIVERY DATE

24/10/2022

PREPARED BY

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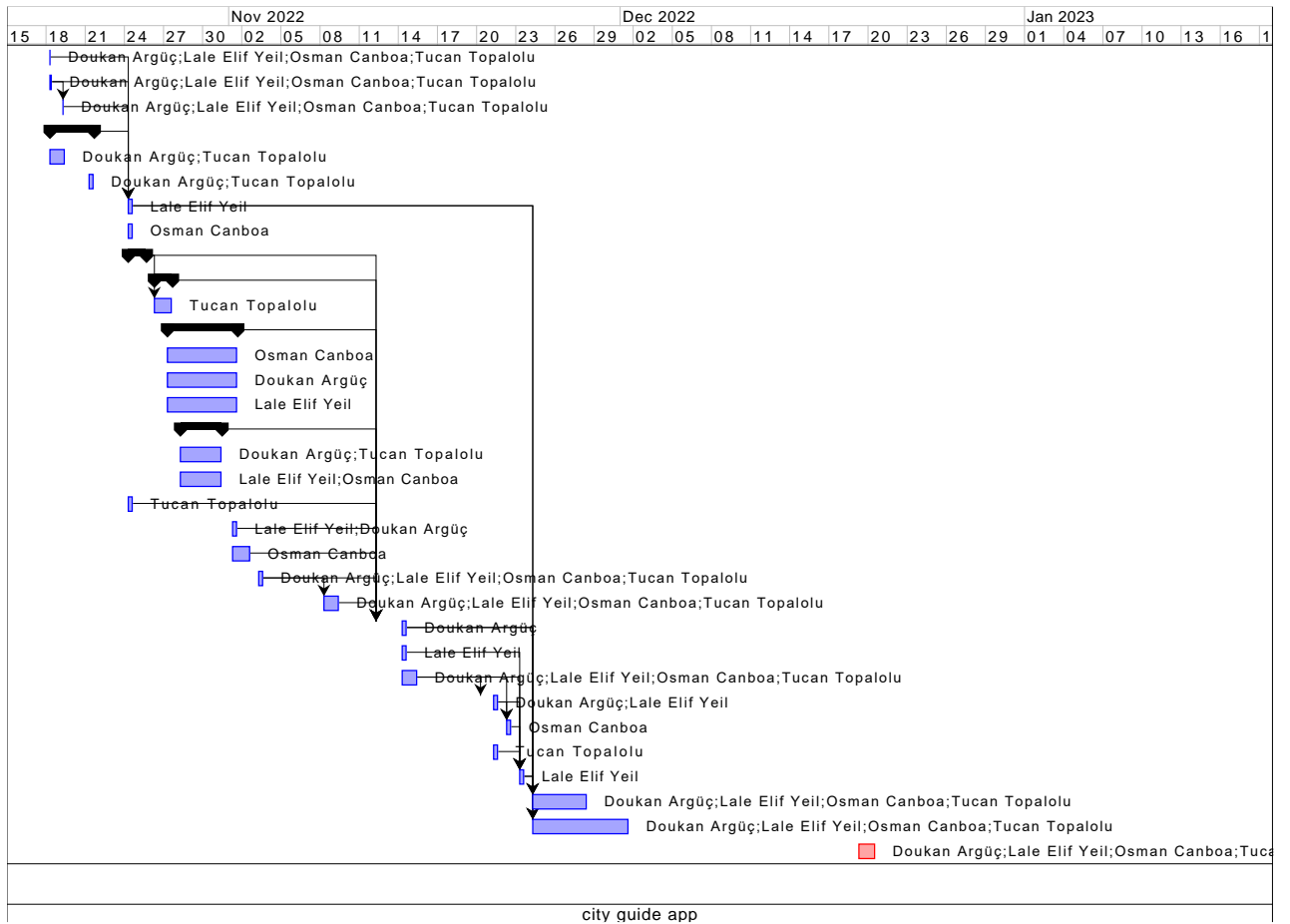
05190000764, Osman CANBOĞA
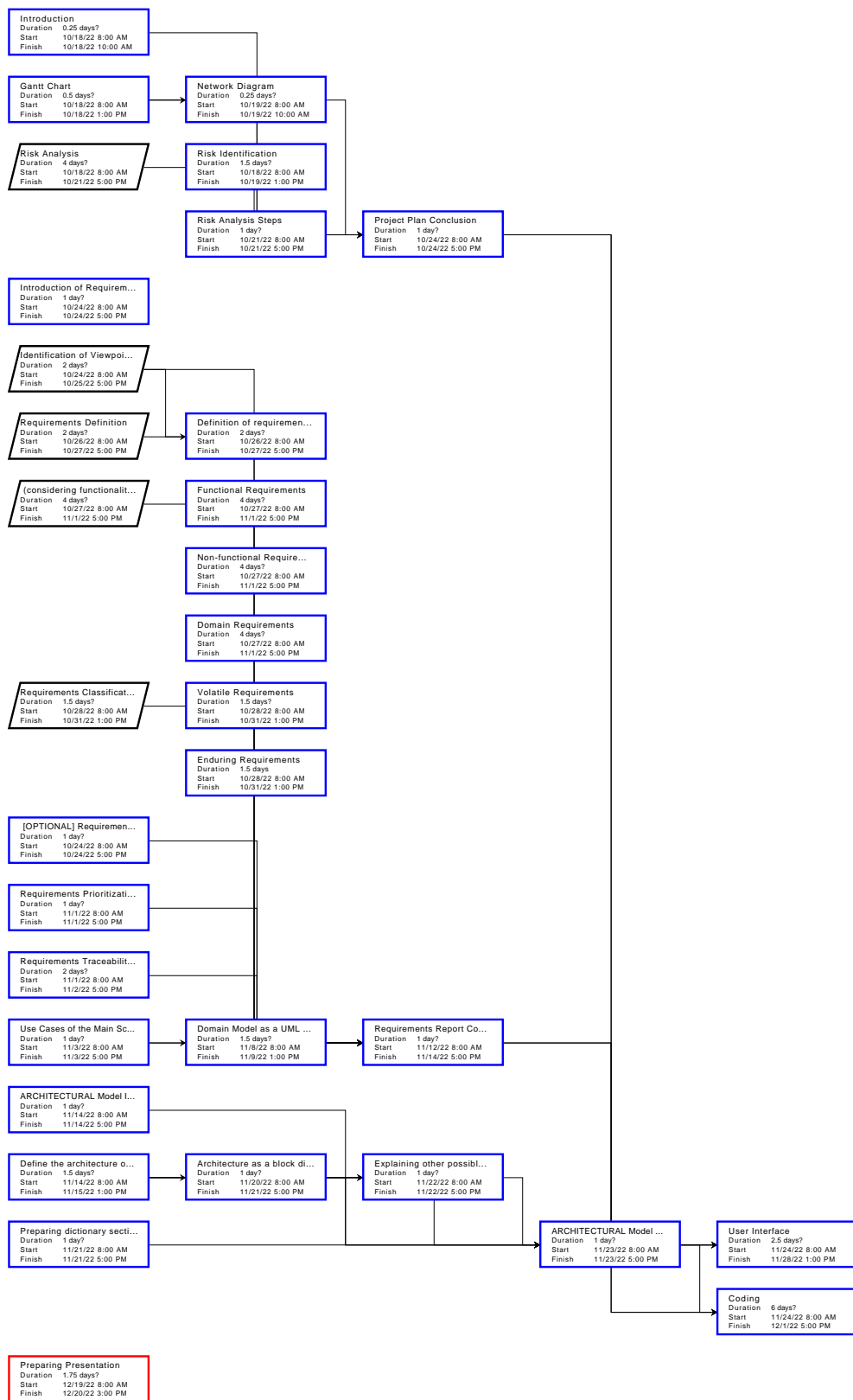
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1) Introduction

Planning for the currently under development City Guide application is part of this project. One of the most important aspects in the development process is planning. Poor planning may have catastrophic consequences for the products. In order to correctly manage the time and money, planning is also crucial. This planning procedure must be thorough and fit the waterfall process model. First, a Gantt chart that illustrates our teamwork and time management will be included. The Network Diagram from our Gantt Chart will be included. We will also add our risk identification and risk analysis to these components. In the final section, we'll outline our procedure.

2) Gantt Chart

city guide app

3) Network Diagram

Introduction
Duration 0.25 days?
Start 10/18/22 8:00 AM
Finish 10/18/22 10:00 AM

Gantt Chart
Duration 0.5 days?
Start 10/18/22 8:00 AM
Finish 10/18/22 1:00 PM

Network Diagram
Duration 0.25 days?
Start 10/19/22 8:00 AM
Finish 10/19/22 10:00 AM

Risk Analysis
Duration 4 days?
Start 10/18/22 8:00 AM
Finish 10/21/22 5:00 PM

Risk Identification
Duration 1.5 days?
Start 10/18/22 8:00 AM
Finish 10/19/22 1:00 PM

Risk Analysis Steps
Duration 1 day?
Start 10/21/22 8:00 AM
Finish 10/21/22 5:00 PM

Project Plan Conclusion
Duration 1 day?
Start 10/24/22 8:00 AM
Finish 10/24/22 5:00 PM

Introduction of Requirem...
Duration 1 day?
Start 10/24/22 8:00 AM
Finish 10/24/22 5:00 PM

Identification of Viewpoi...
Duration 2 days?
Start 10/24/22 8:00 AM
Finish 10/25/22 5:00 PM

Requirements Definition
Duration 2 days?
Start 10/26/22 8:00 AM
Finish 10/27/22 5:00 PM

Definition of requiremen...
Duration 2 days?
Start 10/26/22 8:00 AM
Finish 10/27/22 5:00 PM

(considering functionalit...
Duration 4 days?
Start 10/27/22 8:00 AM
Finish 11/1/22 5:00 PM

Functional Requirements
Duration 4 days?
Start 10/27/22 8:00 AM
Finish 11/1/22 5:00 PM

Non-functional Require...
Duration 4 days?
Start 10/27/22 8:00 AM
Finish 11/1/22 5:00 PM

Domain Requirements
Duration 4 days?
Start 10/27/22 8:00 AM
Finish 11/1/22 5:00 PM

Requirements Classificat...
Duration 1.5 days?
Start 10/28/22 8:00 AM
Finish 10/31/22 1:00 PM

Volatile Requirements
Duration 1.5 days?
Start 10/28/22 8:00 AM
Finish 10/31/22 1:00 PM

Enduring Requirements
Duration 1.5 days
Start 10/28/22 8:00 AM
Finish 10/31/22 1:00 PM

[OPTIONAL] Requiremen...
Duration 1 day?
Start 10/24/22 8:00 AM
Finish 10/24/22 5:00 PM

Requirements Prioritizati...
Duration 1 day?
Start 11/1/22 8:00 AM
Finish 11/1/22 5:00 PM

Requirements Traceabilit...
Duration 2 days?
Start 11/1/22 8:00 AM
Finish 11/2/22 5:00 PM

Use Cases of the Main Sc...
Duration 1 day?
Start 11/3/22 8:00 AM
Finish 11/3/22 5:00 PM

Domain Model as a UML ...
Duration 1.5 days?
Start 11/8/22 8:00 AM
Finish 11/9/22 1:00 PM

Requirements Report Co...
Duration 1 day?
Start 11/12/22 8:00 AM
Finish 11/14/22 5:00 PM

ARCHITECTURAL Model I...
Duration 1 day?
Start 11/14/22 8:00 AM
Finish 11/14/22 5:00 PM

Define the architecture o...
Duration 1.5 days?
Start 11/14/22 8:00 AM
Finish 11/15/22 1:00 PM

Architecture as a block di...
Duration 1 day?
Start 11/20/22 8:00 AM
Finish 11/21/22 5:00 PM

Explaining other possibl...
Duration 1 day?
Start 11/22/22 8:00 AM
Finish 11/22/22 5:00 PM

Preparing dictionary secti...
Duration 1 day?
Start 11/21/22 8:00 AM
Finish 11/21/22 5:00 PM

ARCHITECTURAL Model ...
Duration 1 day?
Start 11/23/22 8:00 AM
Finish 11/23/22 5:00 PM

User Interface
Duration 2.5 days?
Start 11/24/22 8:00 AM
Finish 11/28/22 1:00 PM

Coding
Duration 6 days?
Start 11/24/22 8:00 AM
Finish 12/1/22 5:00 PM

Preparing Presentation
Duration 1.75 days?
Start 12/19/22 8:00 AM
Finish 12/20/22 3:00 PM

4) Division of labor within the team

		Name	Duration	Start	Finish	Predecessors	Resource Names
1		Introduction	0.25 days?	10/18/22 8:00 AM	10/18/22 10:00 AM		Doukan Argüç;Lale Elif...
2		Gantt Chart	0.5 days?	10/18/22 8:00 AM	10/18/22 1:00 PM		Doukan Argüç;Lale Elif...
3		Network Diagram	0.25 days?	10/19/22 8:00 AM	10/19/22 10:00 AM	2	Doukan Argüç;Lale Elif...
4		**Risk Analysis**	**4 days?**	**10/18/22 8:00 AM**	**10/21/22 5:00 PM**		
5		Risk Identification	1.5 days?	10/18/22 8:00 AM	10/19/22 1:00 PM		Doukan Argüç;Tucan...
6		Risk Analysis Steps	1 day	10/21/22 8:00 AM	10/21/22 5:00 PM		Doukan Argüç;Tucan...
7		Project Plan Conclusion	1 day?	10/24/22 8:00 AM	10/24/22 5:00 PM	1;2;3;4	Lale Elif Yeil
8		Introduction of Requir...	1 day?	10/24/22 8:00 AM	10/24/22 5:00 PM		Osman Canboa
9		**Identification of Vie...**	**2 days?**	**10/24/22 8:00 AM**	**10/25/22 5:00 PM**		
13		**Requirements Defini...**	**2 days?**	**10/26/22 8:00 AM**	**10/27/22 5:00 PM**		
14		Definition of require...	2 days?	10/26/22 8:00 AM	10/27/22 5:00 PM	9	Tucan Topalolu
15		(considering functio...	4 days?	10/27/22 8:00 AM	11/1/22 5:00 PM		
16		Functional Requirem...	4 days?	10/27/22 8:00 AM	11/1/22 5:00 PM		Osman Canboa
17		Non-functional Requ...	4 days?	10/27/22 8:00 AM	11/1/22 5:00 PM		Doukan Argüç
18		Domain Requirements	4 days?	10/27/22 8:00 AM	11/1/22 5:00 PM		Lale Elif Yeil
19		**Requirements Classi...**	**1.5 days?**	**10/28/22 8:00 AM**	**10/31/22 1:00 PM**		
20		Volatile Requirements	1.5 days?	10/28/22 8:00 AM	10/31/22 1:00 PM		Doukan Argüç;Tucan...
21		Enduring Requireme...	1.5 days	10/28/22 8:00 AM	10/31/22 1:00 PM		Lale Elif Yeil;Osman C...
22		[OPTIONAL] Require...	1 day?	10/24/22 8:00 AM	10/24/22 5:00 PM		Tucan Topalolu
23		Requirements Prioritiz...	1 day?	11/1/22 8:00 AM	11/1/22 5:00 PM		Lale Elif Yeil;Doukan ...
24		Requirements Tracea...	2 days?	11/1/22 8:00 AM	11/2/22 5:00 PM		Osman Canboa
25		Use Cases of the Main...	1 day?	11/3/22 8:00 AM	11/3/22 5:00 PM		Doukan Argüç;Lale Elif...
26		Domain Model as a U...	1.5 days?	11/8/22 8:00 AM	11/9/22 1:00 PM	25	Doukan Argüç;Lale Elif...
27		Requirements Report ...	1 day?	11/12/22 8:00 AM	11/14/22 5:00 PM	9;13;15;19;22;23;24;...	Doukan Argüç
28		ARCHITECTURAL Mod...	1 day?	11/14/22 8:00 AM	11/14/22 5:00 PM		Lale Elif Yeil
29		Define the architectur...	1.5 days?	11/14/22 8:00 AM	11/15/22 1:00 PM		Doukan Argüç;Lale Elif...
30		Architecture as a bloc...	1 day?	11/20/22 8:00 AM	11/21/22 5:00 PM	29	Doukan Argüç;Lale Elif...
31		Explaining other possi...	1 day?	11/22/22 8:00 AM	11/22/22 5:00 PM	29;30	Osman Canboa
32		Preparing dictionary s...	1 day?	11/21/22 8:00 AM	11/21/22 5:00 PM		Tucan Topalolu
33		ARCHITECTURAL Mod...	1 day?	11/23/22 8:00 AM	11/23/22 5:00 PM	28;29;30;31;32	Lale Elif Yeil
34		User Interface	2.5 days?	11/24/22 8:00 AM	11/28/22 1:00 PM	7;27;33	Doukan Argüç;Lale Elif...
35		Coding	6 days?	11/24/22 8:00 AM	12/1/22 5:00 PM	7;27;33	Doukan Argüç;Lale Elif...
36		Preparing Presentation	1.75 days?	12/19/22 8:00 AM	12/20/22 3:00 PM		Doukan Argüç;Lale Elif...

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5) Risk Analysis

5.1) Risk Identification

Risk Type	Possible Risks
Technology	The developed application may be incompatible with users' phones. (1)
People	There may be conflicts between the team members. (2)
	At crucial periods, key team members are ill and unavailable. (3)
	Members do not have the technical expertise. (4)
Tools	Software code creation tools provide ineffective code. (5)
Estimation	It is underestimated how long it takes to design the program. (6)
	Inability to accurately predict requirements for the project. (7)
	Before the system is finished, a competitive product is presented. (8)

Risk	Affect	Description
Device Incompatibility (1)	Project	Problems that may arise from the difference of the customer's device.
Conflict between the team (2)	Project	Problems that may break the integrity of the team and that cannot be solved.
Time underestimate (6)	Project	Failure to complete assigned tasks on time.
Product competition (8)	Business	Before the system is finished, a competitive product is presented.
Size underestimate (7)	Project and Product	Inability to accurately predict requirements for the project.
Lack of technical information (4)	Project and Product	Members do not have the technical expertise.
Illness situation (3)	Project	A team member will be ill.
Ineffective code (5)	Project	Software code creation tools provide ineffective code.

5.2) Risk Analysis

Risk	Probability	Effects
Device Incompatibility (1)	Moderate	Catastrophic
Conflict between the team (2)	Low	Serious
Time underestimate (6)	High	Serious
Product competition (**8**)	Moderate	Catastrophic
Size **underestimate (7)**	Moderate	Serious
Lack of technical information (4)	Very Low	Tolerable
Illness situation (3)	Moderate	Tolerable
Ineffective code (5)	High	Serious

6) Conclusion

We began the process by defining the project, then divided up the duties into those that suited our expertise and areas of connection. On Project Libre, we created a Gantt Chart and a Network Diagram. Next, we wrote our report and added its sections for introduction and risk analysis.