

**AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH**  
**Faculty of Engineering**  
**Laboratory Report Cover Sheet**



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# METRO RAIL APP IN DHAKA

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Final Term LAB Reports

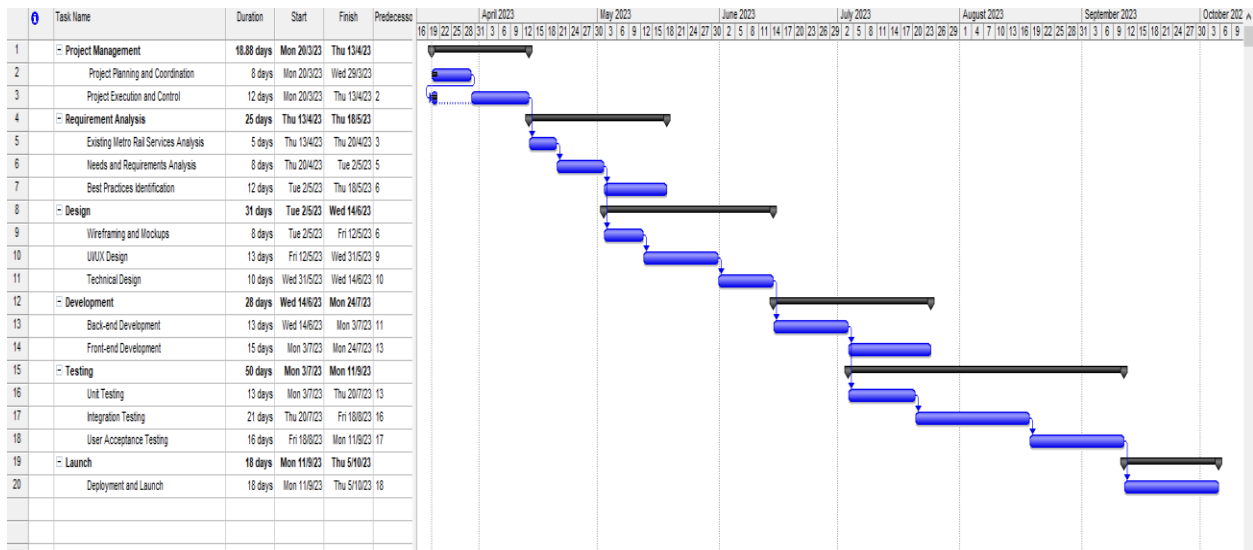


Semester: Spring_22_23		Section: F	Group Number: 6
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<p>SOFTWARE ENGINEERING [F] SUPERVISED BY, DR.S.M. HASAN MAHMUD</p>
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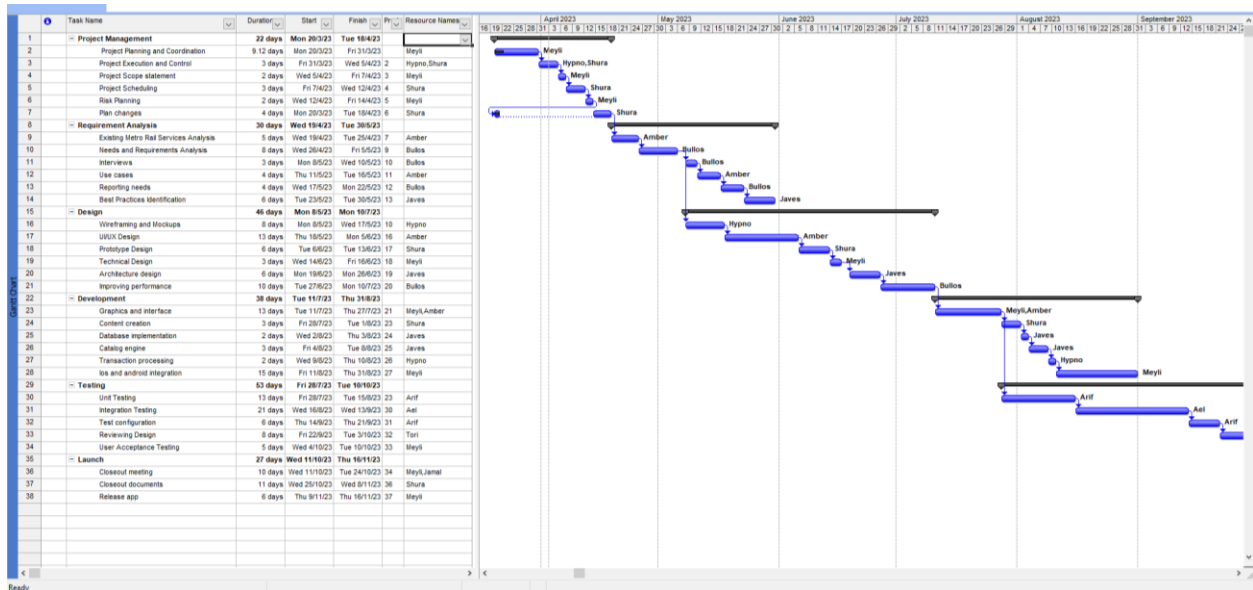
## Lab:1

### WBS Effort estimation:



## Lab:2

### Resource Allocation:



## Lab:3

### Risk analysis:

Risk Assessment										
Area Name: Updated by: <input type="text"/>										
Unique ID	Risk Description	Inherent Risk (without controls)			Residual Risk(with controls)					
		Probability	Impact	Risk rating	Probability	Impact	Risk score	Residual Probability	Residual Impact	Residual Risk Rating
1	Delay in project management due to unforeseen events	Medium	Very Low	Sustainable	25%	50%	12.50%	Low	Very low	Sustainable
2	Poor project execution and control	Low	High	Severe	15%	70%	10.50%	Low	High	Severe
3	Incomplete or inaccurate project scope statement	Medium	Medium	Moderate	10%	60%	6%	Medium	Medium	Moderate
4	Inaccurate or unrealistic project scheduling	Low	Medium	Moderate	10%	50%	5%	Low	Low	Sustainable
5	Inadequate risk planning	High	High	Critical	10%	40%	4%	Medium	Medium	Moderate
6	Scope changes and requirements alterations	High	Very Low	Sustainable	20%	30%	6%	Medium	Very Low	Sustainable
7	Inadequate analysis of existing metro rail services	Medium	Low	Moderate	10%	50%	5%	Low	Low	Severe
8	Lack of user engagement and feedback	Medium	Very Low	Sustainable	15%	40%	6%	Low	Low	Moderate

9	Inaccurate or incomplete needs and requirements analysis	Low	High	Severe	10%	60%	6%	Low	Low	Sustainable
10	Inaccurate or incomplete interviews with stakeholders	Medium	Medium	Moderate	10%	50%	5%	Low	Low	Moderate
11	Inaccurate or incomplete use case development	Low	Medium	Moderate	10%	50%	5%	Low	Low	Sustainable
12	Inadequate identification of reporting needs	High	High	Critical	10%	40%	4%	Low	Low	Severe
13	Inadequate identification of best practices	High	Very Low	Sustainable	10%	40%	4%	Low	Low	Moderate
14	Delay in wireframing and mockups due to unforeseen events	Medium	Low	Moderate	10%	30%	3%	Low	Low	Sustainable
15	Poor UI/UX design	Medium	Very Low	Sustainable	10%	60%	6%	Low	Low	Moderate
16	Poor prototype design	Low	High	Severe	10%	50%	5%	Low	Low	Sustainable
17	Poor technical design	Medium	Medium	Moderate	10%	50%	5%	Low	Low	Severe
18	Inadequate architecture design	Low	Medium	Moderate	10%	40%	4%	Low	Low	Moderate
19	Poor performance due to inadequate design or coding	High	High	Critical	10%	50%	5%	Low	Low	Sustainable
20	Graphics and interface issues	High	Very Low	Sustainable	10%	40%	4%	Low	Low	Moderate

21	Inadequate content creation	Medium	Low	Moderate	10%	30%	3%	Low	Low	Severe
22	Inadequate database implementation	Medium	Very Low	Sustainable	5%	60%	3%	Low	Low	Moderate
23	Inadequate catalog engine development	Low	High	Severe	5%	50%	2.50%	Low	Low	Sustainable

Probability	Impact
Very High	Very High
High	High
Medium	Medium
Low	Low
Very Low	Very Low

**Risk Matrix:**

Impact:		Very Low	Low	Medium	High	Very High
Probability	Very High	Moderate	Severe	Severe	Critical	Critical
	High	Sustainable	Moderate	Severe	Critical	Critical
	Medium	Sustainable	Moderate	Moderate	Severe	Critical
	Low	Sustainable	Sustainable	Moderate	Severe	Critical
	Very Low	Sustainable	Sustainable	Sustainable	Moderate	Severe

Impact:		Very Low	Low	Medium	High	Very High
Probability	Very High					
	High	1				
	Medium	1	1	1	1	
	Low		1	1	1	
	Very Low					1

Impact:		Very Low	Low	Medium	High	Very High
Probability	Very High					
	High					
	Medium			1		
	Low		1			
	Very Low					

