

LAB 4

This Lab 4 is a **continuation** from the previous Lab 3, after you have entered all the public holidays.

1. Enter all the resources and related costs. Refer to *Appendix A – Project Data*
2. When is the project completion date? [2 pts]
3. How long is the duration of the project? [2 pts]
4. Cost related:
 - a. Total project estimated cost [1 pt]
 - b. Task with the most expensive cost. [1 pt]
 - c. Task with the minimum cost. [1 pt]
 - d. Most expensive resource. [1 pt]
5. List all the tasks that have overallocated resources. Identify the overallocated resources for each of those tasks. [6 pts]
6. Use the appropriate task levelling function to fix the overallocated resources. Describe in your own words, what does a task levelling function do? [2 pts]
7. After fixing the overallocated resources issue, when is the project completion date? [2 pts]
8. Other than levelling function, describe one other alternative action that can you take to solve overallocated resources issue. [2 pts]

Submission Guidelines:

Filename format: Grp#_Lab4_type.ext

- a) Upload the completed **Lab 4 answer page** in PDF.
Example filename format: *Grp1B5_Lab4_AP.pdf*
- b) Upload the MS **Project file** before resource levelling. [1 pt]
Example filename format: *Grp1B5_Lab4_beforeRL.mpp*
- c) Upload the MS **Project file** after resource levelling. [1 pt]
Example filename format: *Grp1B5_Lab4_afterPRL.mpp*

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Note:

- a) *You will also be expected to demo during class. Failure to provide the correct answer(s) during the demo will result in deduction of marks.*
- b) *I have the right to **reject** any file submission that does not follow the above filename format.*

APPENDIX A

	Task Name	Duration (Days)	Predecessor	Resources	Cost
A	Project Planning				
A1	Project Initiation and Organization	2		PM, SA, BA, COO	PM=RM150/hr SA=RM125/hr BA=RM125/hr COO= RM200/hr
A2	Project Definition and Planning	5	A1	PM, SA, BA, COO	
A3	Management Review & Approval	2	A2	PM, SA, BA, COO	
B	Requirement Elicitation				
B1	User Requirements	10	A3	PM, BA, SA, SE,	SE=RM125/hr
B2	System Requirements	8	B1	BA, SA, SE	
C	Design				
C1	User Interface Design	10	B1	SE, DBA, GD, SA	DBA=RM125/hr GD=RM100/hr
C2	System/Technical Design	10	B2, C1	SE, DBA, SA	
C3	Design Verification	8	C2	QM, SE, SA	QM=RM125/hr
D	Implementation (Coding)				
D1	Programming	40	C3	SE, SA, DBA, Coder	Coder=RM100/hr
E	Testing				
E1	Test Planning & Preparation	10	D1	PM, QM, SE, SA	
E2	Component Test	10	E1	Coder	
E3	Integration Test	10	E2	QM, SE, Coder, DBA	
E4	User Acceptance Test	5	E3	QM, SE, DBA, SA	
F	Roll-Out				
F1	Roll Out Planning & Preparation	5	E4	QM, SE, SA, TR	
F2	User Procedures & Training	10	F1	QM, SE, SA, TR	TR=RM100/hr
F3	Site Installation	5	F1	PM, SA, SE, DBA, QM	
G	Project Closing				
G1	Post Implementation Mtg & Closing	1	F2, F3	PM, SA, BA, COO, QM, SE, DBA,	

NOTE:

Project Name: Group#_Lab3_Semester. Example: **1B5_Lab4_2425s1**

Define the above tasks under the respective project name.