Assignment Overview:

Read case *'The Wedding'* given at the end of Chapter 4 on *page 137-138*. You are analyzing this case in groups. Groups are automatically generated by Canvas.

Keep in mind, *this case is continued from Unit 2 through 6*. Hence understand premise of case correctly, start with right assumptions, and incorporate feedback as you receive during each week. Don't forget to save your work and share it with your teammates on group discussion board. You may need it during upcoming assignments. Please be sure to use the discussion boards as I monitor and observe team collaboration. This is part of your team feedback grade at the end of the course.

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Assignment Procedure:

Complete *following 5* questions based on this case as per steps outlined in the next paragraph.

1. Make a list of assumptions that will be used as the basis for planning the wedding. Be specific and thoroughly explain each assumption. And no, it is not acceptable to assume that Tony and Peggy Sue will just elope, no matter how tempting that may be!
2. Develop a work breakdown structure (refer to your text for the proper format). Hint: Use table number scheme as well as a Hierarchy chart.
3. Make a list of the specific activities that need to be done between now and the wedding day. Hint: Be specific and thorough (a list of 10 activities will not be sufficient)
4. For each activity, identify the person (Tony, Peggy Sue, and so forth) who will be responsible for seeing that the activity is accomplished.
5. Create a network diagram that shows the sequence and dependent relationships of all the activities.

To complete it, follow steps below critically.

Step 1: Each student will *complete first two questions individually* and share it on Module 2 Group Discussion Board. Your first post must include answers to these questions. Until you share initial post, you won't be able to see others' post. Initial post is due by Day 3.

Step 2: Analyze submission of your teammates. In case there are differences, discuss and come to an agreement.

Step 3: Discuss and *complete remaining three questions as a group*. Read submission instructions and submit your assignment draft according. Assignment is due on Day 7.

Submission Instructions:

Submit answers to above questions in *one word document*. Put appropriate *question numbers* so that it is clear which question is being answered. Use *suitable font with 1 inch margin* on all sides. There is *no page limit* as most of questions are methodological involving charts, tables and graphs.   If you use output from MS Project or Excel, copy & paste it into word document.

In addition to word document, you may submit MS project files for additional feedback however this is not substitution to a word document. Your word document should contain answers of all questions completely.

Case Assignment - Module 2

You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts
Assumptions	**2.0 pts** **Excellent** Assumptions reflect careful thinking and very detailed planning.	**1.8 pts** **Good** Necessary and accurate assumptions are listed.	**1.5 pts** **Satisfactory** Some of the assumptions are missing and not convincing.	**1.0 pts** **Could be improved** Many assumptions could have been added or inaccurately made.	**0.0 pts** **Unsatisfactory** Assumptions are not made or are not acceptable.	2.0 pts
WBS- Work Breakdown Structure	**2.0 pts** **Excellent** Assumptions reflect very detailed planning and classification of work items.	**1.8 pts** **Good** Necessary and accurate accurate classification of work items is developed in WBS.	**1.5 pts** **Satisfactory** Some of the work items are missing or incorrectly classified.	**1.0 pts** **Could be improved** Many work items could have been included and/or incorrectly classified in WBS,	**0.0 pts** **Unsatisfactory** WBS is not developed or is not to an acceptable level.	2.0 pts
Activities & Work Responsibility	**2.0 pts** **Excellent** Activities and Work Responsibilities reflect careful and long term planning.	**1.8 pts** **Good** Necessary activities are listed and work is assigned accurately.	**1.4 pts** **Satisfactory** Some of the activities are missing and/or work assignment is not in accordance with information provided.		**0.0 pts** **Unsatisfactory** Activities are not listed and/or work responsibility is not assigned.	2.0 pts
ND- Network Diagram	**2.0 pts** **Excellent** ND reflect very detailed organization and inter-dependencies among activities.	**1.8 pts** **Good** Necessary and accurate organization of activities and inter-dependencies among them is developed in ND.	**1.5 pts** **Satisfactory** Some of the activities or relationship among them is missing or incorrectly described.	**1.0 pts** **Could be improved** Many activities or relationship among them could have been included and /or correctly described	**0.0 pts** **Unsatisfactory** ND is not developed or is not to an acceptable level.	2.0 pts

Total Points: 8.0

Assignment Overview:

Read case *'The Wedding'* given at the end of Chapter 4 on *page 137-138*. You are analyzing this case in groups. Groups are automatically generated by Canvas.

Keep in mind, *this case is continued from Unit 2 through 6*. Hence understand premise of case correctly, start with right assumptions, and incorporate feedback as you receive during each week. Don't forget to save your work and share it with your teammates on group discussion board. You may need it during upcoming assignments.

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Assignment Procedure:

Complete *following 4* questions based on this case as per steps outlined in the next paragraph.

1. Develop an estimated duration for each activity referenced from Module 2.
2. Using a project start time of 0 (or January 1) and a required project completion time of 180 days (or June 30), calculate the ES, EF, LS, and LF times and TS for each activity. If your calculations result in a project schedule with negative TS, revise the project scope, activity estimated durations, and/or sequence or dependent relationships among activities to arrive at an acceptable baseline schedule for completing the project within 180 days (or by June 30). Describe the revisions you made.
3. Determine the critical path, and identify the activities that make up the critical path.
4. Produce a bar chart (Gantt chart) based on the ES and EF times from the schedule in item 2.

To complete it, follow steps below critically.

Step 1: Each student will *complete first question individually* and share it on [Module 3 Group Discussion Board](). Your first post must include answers to these questions. Until you share initial post, you won't be able to see others' post. Initial post is due by Day 3.

Step 2: Analyze submission of your teammates. In case there are differences, discuss and come to an agreement.

Step 3: Discuss and *complete remaining three questions as a group*. Read submission instructions and submit your assignment draft according. Assignment is due on Day 7.

Submission Instructions:

Submit answers to above questions in *one word document*. Put appropriate *question numbers* so that it is clear which question is being answered. Use *suitable font with 1 inch margin* on all sides. There is *no page limit* as most of questions are methodological involving charts, tables and graphs.   If you use output from MS Project or Excel, copy & paste it into word document.

In addition to word document, you may submit MS project files for additional feedback however this is not substitution to a word document. Your word document should contain answers of all questions completely.

Case Assignment - Module 3

You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts
Estimating Activity Duration	**2.0 pts** **Excellent** Estimates reflect careful thinking and detailed planning	**1.8 pts** **Good** All activity duration are estimated and are convincing.	**1.5 pts** **Satisfactory** All activity duration are estimated however not all durations are convincing.	**1.0 pts** **Can be improved** Some of the activity estimates are missing and/or estimate are unreliable (risky).	**0.0 pts** **Unsatisfactory** Activity duration is not estimated or mismatch between activities shown in network diagram of previous assignment or estimates are not convincing.	2.0 pts
Earliest & Latest Activity Times	**2.0 pts** **Excellent** All activity times are correctly and carefully calculated.	**1.5 pts** **Satisfactory** Some of the activity times are missing or are incorrect.	**0.8 pts** **Can be improved** Significant errors in activity duration calculation or calculation missing precedence relationships or project extend beyond given time limit.		**0.0 pts** **Unsatisfactory** Activity times are not calculated or have substantial errors or precedence relationships are ignored or activities does not reflect fit with network diagram from last assignment.	2.0 pts
Critical Path	**2.0 pts** **Excellent** Critical Path/s is correctly identified, highlighted in diagram and listed accurately .	**1.6 pts** **Satisfactory** Not all critical paths are identified but identified ones are correct OR Path/s not highlighted on network diagram.		**1.0 pts** **Can be improved** Some of the activities are missing in critical path identification or incorrectly identified.	**0.0 pts** **Unsatisfactory** Critical Path is not identified or identified incorrectly to significant level.	2.0 pts
Gantt Chart	**2.0 pts** **Excellent** Gantt chart is attractive and accurate. It reflects creativity.	**1.8 pts** **Good** Gantt chart is accurately done.	**1.5 pts** **Satisfactory** Network diagram, Critical path and Gantt chart are not in sync	**1.0 pts** **Can be improved** Some of the activities are missing in chart and/or missing precedence relationship	**0.0 pts** **Unsatisfactory** Gantt Chart not done or is significantly inaccurate.	2.0 pts

Total Points: 8.0

Assignment Overview:

Read case *'The Wedding'* given at the end of Chapter 4 on *page 137-138*. You are analyzing this case in groups. Groups are automatically generated by Canvas.

Keep in mind, *this case is continued from Unit 2 through 6*. Hence understand premise of case correctly, start with right assumptions, and incorporate feedback as you receive during each week. Don't forget to save your work and share it with your teammates on group discussion board. You may need it during upcoming assignments.

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Assignment Procedure:

Complete *following 2* questions based on this case as per steps outlined in the next paragraph.

1. Using the responsibility assignments you made in Unit 2 Case Assignment and the baseline schedule you developed in Unit 3 Case Assignment, develop a resource requirements table (similar to Figure 6.3 given in the textbook).
2. Explain the challenges involved in developing resource requirement plan. Have you used any concepts of resource leveling and resource limited scheduling?

To complete it, follow steps below critically.

Step 1: Each student will *complete first question individually* and share it on [Module 4 Group Discussion Board](). Your first post must include answers to these questions. Until you share initial post, you won't be able to see others' post. Initial post is due by Day 3.

Step 2: Analyze submission of your teammates. In case there are differences, discuss and come to an agreement.

Step 3: Discuss and *complete remaining one question as a group*. Read submission instructions and submit your assignment draft according. Assignment is due on Day 7.

Submission Instructions:

Submit answers to above questions in *one word document*. Put appropriate *question numbers* so that it is clear which question is being answered. Use *suitable font with 1 inch margin* on all sides. There is *no page limit* as most of questions are methodological involving charts, tables and graphs.   If you use output from MS Project or Excel, copy & paste it into word document.

In addition to word document, you may submit MS project files for additional feedback however this is not substitution to a word document. Your word document should contain answers of all questions completely.

Case Assignment - Module 4

You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts
Resource requirements table	**5.0 pts** **Excellent** Table reflects balanced, well thought, and creative resource assignment plan.	**4.5 pts** **Good** Necessary and accurate resource requirement plan is developed.	**4.0 pts** **Satisfactory** Resource requirement plan is not so well balanced or may impose challenges to execute based on network diagram or may have activities missing	**3.0 pts** **Can be improved** Resource requirement plan has significant errors in terms of resources or activities or calculated total duration.	**0.0 pts** **Unsatisfactory** Resources requirement plan is not developed or there is significant mismatch between developed plan and previously proposed resources and activities plan.	5.0 pts
Challenges & Planning Startegies	**3.0 pts** **Excellent** Challenges are very well thought of and reflects long term focus. Planning strategies are developed based on analysis of all potential possibilities and their likelihood of occurrence.	**2.5 pts** **Good** Necessary and substantial challenges are discussed and effective planning strategies are developed in context of proposed activities and resources plan.	**2.0 pts** **Satisfactory** Resource requirement plan reflect possible challenges in scheduling which are not addressed	**1.5 pts** **Can be improved** Challenges listed are generalized and not coming from proposed assignment and activities plan. There is no effective scheduling strategy to address these challenges.	**0.0 pts** **Unsatisfactory** No challenges or planning strategies to address them are listed or information provided is of no significant value in terms of answering question asked here.	3.0 pts

Total Points: 8.0

Assignment Overview:

Read case *'The Wedding'* given at the end of Chapter 4 on *page 137-138*. You are analyzing this case in groups. Groups are automatically generated by Canvas.

Keep in mind, *this case is continued from Unit 2 through 6*. Hence understand premise of case correctly, start with right assumptions, and incorporate feedback as you receive during each week. Don't forget to save your work and share it with your teammates on group discussion board. You may need it during upcoming assignments.

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Assignment Procedure:

Complete *following 3* questions based on this case as per steps outlined in the next paragraph.

1. Using the schedule from Unit 3 Case Assignment, estimate the cost for each activity.
2. Determine the total budgeted cost for the project. Explain how you arrived at your budget and decisions you and your team made.
3. Prepare a budgeted cost by period table (similar to Figure 7.5 given in the textbook) and a cumulative budgeted cost (CBC) curve (similar to Figure 7.6 given in the textbook) for the project. Be sure to display the period for where costs are associated it over the course of the project.

To complete it, follow steps below critically.

Step 1: Each student will *complete first two question individually* and share it on Module 5 Group Discussion Board. Your first post must include answers to these questions. Until you share initial post, you won't be able to see others' post. Initial post is due by Day 3.

Step 2: Analyze submission of your teammates. In case there are differences, discuss and come to an agreement.

Step 3: Discuss and *complete remaining one question as a group*. Read submission instructions and submit your assignment draft according. Assignment is due on Day 7

Submission Instructions:

Submit answers to above questions in *one word document*. Put appropriate *question numbers* so that it is clear which question is being answered. Use *suitable font with 1 inch margin* on all sides. There is *no page limit* as most of questions are methodological involving charts, tables and graphs.   If you use output from MS Project or Excel, copy & paste it into word document.

In addition to word document, you may submit MS project files for additional feedback however this is not substitution to a word document. Your word document should contain answers of all questions completely.

Case Assignment - Module 5 ✎ 🔍 🗑

You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts
Estimating Activity Cost	2.0 pts **Excellent** Estimates are carefully thought of and reflect balanced approach incorporating constrains described in the case.	1.8 pts **Good** Cost estimations are performed for all activities considering constraints,	1.5 pts **Satisfactory** Some of the cost estimates are not convincing or lack balance given the constraints described in the case.	1.0 pts **Can be improved** Estimates missing for some of the activities or constraints described in the case are ignored.	0.0 pts **Unsatisfactory** Cost estimation not done or not done to an acceptable level.	2.0 pts
Total Budgeted Cost	2.0 pts **Excellent** Total Budgeted Cost accurately calculated	1.5 pts **Satisfactory** Minor errors in the total budgeted cost calculations.	1.0 pts **Can be improved** Significant errors in the total budgeted cost calculations.	0.0 pts **Unsatisfactory** Total budgeted cost calculations not done or not done to an acceptable level.		2.0 pts
Budgeted Cost by Period	2.0 pts **Excellent** Period wise budget is accurately developed.	1.5 pts **Satisfactory** Minor errors in the period wise budget.	1.0 pts **Can be improved** Some of the periods are missing or lack of detailed information in the period wise budget. Or significant errors in the period wise budget.		0.0 pts **Unsatisfactory** Period wise budget not done or not done to an acceptable level.	2.0 pts
Cumulative budgeted cost (CBC) curve	2.0 pts **Excellent** CBC curve accurately plotted.	1.5 pts **Satisfactory** Minor errors in the CBC curve.	1.0 pts **Can be improved** Significant errors in the CBC curve.	0.0 pts **Unsatisfactory** CBC curve not plotted or plotted curve does not resemble CBC curve.		2.0 pts

Total Points: 8.0

Assignment Overview:

Read case *'The Wedding'* given at the end of Chapter 4 on *page 137-138*. You are analyzing this case in groups. Groups are automatically generated by Canvas.

Assignment Procedure:

Complete *following 2* questions based on this case as per steps outlined in the next paragraph.

1. Identify at least six risks that could jeopardize the wedding.
2. Create a risk assessment matrix including a response plan for each of the risks.

To complete it, follow steps below critically.

Step 1: Each student will *complete first   question individually* and share it on Module 6 Group Discussion Board. Your first post must include answers to these questions. Until you share initial post, you won't be able to see others' post. Initial post is due by Day 3.

Step 2: Analyze submission of your teammates. In case there are differences, discuss and come to an agreement.

Step 3: Discuss and *complete remaining one question as a group*. Read submission instructions and submit your assignment draft according. Assignment is due on Day 7.

Case Assignment - Module 6
You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts
Identifying the Risks	**2.0 pts** **Excellent** Identification of risks reflect careful thinking and long term analysis.	**1.8 pts** **Good** Potential risks have been accurately identified.	**1.5 pts** **Satisfactory** Risk identified are unlikely or not significant.	**1.0 pts** **Can be Improved** Risks identified are not relevant to project plan or not enough risks have been identified.	**0.0 pts** **Unsatisfactory** Risks have not been identified or listed items does not indicate this can be defined as 'risk'.	2.0 pts
Likelihood of Occurrence (LO) & Degree of Impact (DI)	**3.0 pts** **Excellent** LO & DI reflect through analysis and evaluation of possibilities.	**2.7 pts** **Good** LO & DI have been satisfactorily evaluated.	**2.0 pts** **Satisfactory** LO & DI analysis is performed however evaluation (H, M, L) is not fully convincing.	**1.5 pts** **Can be Improved** LO or DI analysis is not done or not done accurately	**0.0 pts** **Unsatisfactory** LO & DI analysis is not performed or not performed to satisfactory level.	3.0 pts
Response Plan (RP) Includes Trigger, Responsibility and Action Plan	**3.0 pts** **Excellent** RP reflect foolproof planning and proactive response.	**2.7 pts** **Good** RP plan has been satisfactorily developed.	**2.0 pts** **Satisfactory** There is potential to improve on Action on Trigger and/or Response Plan.	**1.5 pts** **Can be Improved** Some of the elements of Action on Trigger or Response plan are incorrect and would not lead to effective response to identified risks.	**0.0 pts** **Unsatisfactory** RP is not developed or or not developed to satisfactory level.	3.0 pts
					Total Points: 8.0	

Project Overview:

Choose one of the following topic area for the project. I have a few examples below. I would encourage you to think about a project you're thinking of completing either at home or in your work. The examples below are meant for guideline only. Feel free to choose something that appeals to you. Use some caution. Don't select topic that is too broad in scope (e.g. design of car). Think of business you can start from home rather than thinking of building

manufacturing facility. Also keep in mind you are not manufacturing product or offering service just designing or redesigning it.

<u>Types of project</u>

- Design of New Product
  - e.g. Cookies, Candles, Crafts
- Design of New service
  - e.g. Lawn Mowing, Consulting, etc.
- Redesign of Product
  - e.g. Comfortable seating arrangements(table, chairs)
- Redesign of Service facility
  - e.g. Environmentally conscious redesign of printing facility at computer labs
- Design of Information System / App
  - e.g. Developing web-page for small business or mobile app

Answer following questions for the topic you have selected. Make suitable but meaningful assumptions.

1. Discuss your rational for selecting project topic. Were there more than one ideas? How did you reach to this topic?
2. Identify all the activities involved in your project. Develop work breakdown structure (WBS). Your WBS should have at least 15-20 activities.
3. List activities and interdependencies between them. Estimate time required to perform these activities. Develop network diagram. Estimate early start, early finish, and slack time for all activities. Find critical path and project completion time.
4. Estimate resources required and develop resource requirement plan. Include a stakeholder map identifying all key stakeholders. Do research on different templates that works for your project. Be creative.
5. Estimate cost required for each of the identified activities. Provide some rational (material cost, labor cost, labor hours, types of labor etc.) for estimated cost. Prepare total aggregate budge for the project.
6. Identify risks involved in your project. Prepare risk response plan for the project.

Submission Instructions:

Submit answers to above questions in *one word document* by **last day of class.** Put appropriate *question numbers* so that it is clear which question is being answered. Use *suitable font with 1 inch margin* on all sides. Report should be around 8-10 pages in length.   If you use output from MS Project or Excel, copy & paste it into word document.

Project
You've already rated students with this rubric. Any major changes could affect their assessment results.

Criteria	Ratings					Pts	
This criterion is linked to a Learning OutcomeTopic and Rationale	**2.0 pts** **Excellent** Topic is unique, innovative and interesting. Rationale provided is compelling.	**1.8 pts** **Satisfactory** Suitable topic is selected along with convincing rationale.	**1.0 pts** **Can be improved** Suitable topic is selected but no rationale is provided.		...factory ...elected does not fi... ...ain of Project ...ment.	2.0 pts	
This criterion is linked to a Learning OutcomeWork Breakdown Structure (WBS)	**3.0 pts** **Excellent** Activities and WBS reflect critical thinking and detailed planning.	**2.7 pts** **Good** Necessary and meaningful activities and their WBS is developed	**2.0 pts** **Satisfactory** Activities and WBS lack meaning or organization or not up to the expected level of detail.	**1.0 pts** **Can be impro...** Activities and... does not refle... project rather repetitive operations.	**0.0 pts** **Unsatisfactory** Activities and/o... WBS is not developed.	3.0 pts	
This criterion is linked to a Learning OutcomeSequence, Network Diagram, Calculated times, & Critical Path	**4.0 pts** **Excellent** Sequence of activities, Network Diagram, Calculated times, & Critical Path accurately calculated and reflect perfect project organization.	**3.0 pts** **Satisfactory** There are minor errors in Network Diagram, Calculated times, & Critical Path and/or potential to improve Activity sequence.	**2.0 pts** **Can be improved** There are significant errors in Network Diagram, Calculated times, Critical Path, & Activity sequence.		...factory ...k Diagram, ...ted times, & Critic... ...quires compete ... Work produced ... ...o an accepted leve...	4.0 pts	
This criterion is linked to a Learning OutcomeResource Requirement Plan (RRP)	**3.0 pts** **Excellent** RRP is well balance, reflect creativity and effective planning skills.	**2.7 pts** **Good** Necessary and accurate RRP is developed.	**2.0 pts** **Satisfactory** RRP does not provide enough details (each activity, resource, and times) or may impose challenges to execute based on network diagram or may have activities missing.	**1.0 pts** **Can be impro...** RRP has signi... errors in terms... resources or activities or calculated tota... duration.	**0.0 pts** **Unsatisfactory** RRP is not developed or not developed to an accepted level.	3.0 pts	

Project

Criteria	Ratings					Pts
This criterion is linked to a Learning OutcomeCosting and Budget	**3.0 pts Excellent** Project budget accurately developed.	**2.3 pts Satisfactory** Budget does not provide enough details (e.g., cost per activity, rational for costs)		**1.5 pts Can be improved** Budget has significant errors.	**0.0 pts Unsatisfactory** Budget done... leve... st calculation not ...lone to an acceptal...	3.0 pts
This criterion is linked to a Learning OutcomeRisk Assessment Matrix (RAM)	**3.0 pts Excellent** RAM reflect thorough analysis, foolproof planning and proactive response strategy.	**2.7 pts Good** RAM is satisfactorily developed.	**2.0 pts Satisfactory** There is potential to improve RAM.	**1.0 pts Can be improved** Response to risks identified in RAM w... not produce effective intended outcome.	**0 pts Unsatisfactory** ...AM is not develop... ...r not developed to ...cceptable level.	3.0 pts
This criterion is linked to a Learning OutcomeFormat, Writing skills, and Attractiveness of Report	**2.0 pts Excellent** Report is well written, attractive, graphs & tables are easily readable, and incorporates all given (formatting and submission) instructions.	**1.5 pts Satisfactory** Report is satisfactorily written incorporating all given instructions .	**1.0 pts Can be improved** Report does not incorporate all given instructions and /or diagrams, graphs and tables not easily readable and may have missing elements of information.		**...ts ...tisfactory** ...rt reflect absolute ...gard to instruction ...y written, and .../graphs difficult to ...pret.	2.0 pts

Total Points: 20.0