

- **Answers:**

**Q6.** Early Finish Date as per project plan- 08/31/2016

**Q7.** Yes, it is feasible because of the following reasons:

- Resource allocation and individual task duration are different for both projects. Although assignment#2 project starts 2 weeks after assignment#1 project start date, it is not necessary that assignment#2 project finishes 2 after assignment#1 project's finish date.
- There are extra resources allocated for assignment#2 project.
- Overall duration for this project is lesser than overall duration of the project in assignment#1.
- Because of the additional resources available for assignment#2 project, only few tasks had conflicts related to resource allocation.

- **Sharer project:**

Start date – 02/29/16

Completion date – 08/31/2016

❖ **Task/Activity dependencies:**

- Lab and Environment set up task can start as soon as Project Plan is completed.
- Install Client task can start after install Server task is completed.
- Install Software task can start after Install hardware task is completed.
- Development and testing tool installation tasks can start in parallel after Hardware installation is completed.
- Install development tools task must be completed before coding tasks and Install testing tools task must be completed before executing test cases.
- Create Data Model task can start after Design task is completed.
- Test plan must be completed before execution.
- Documentation can finish only after testing is finished (finish to finish dependency).

❖ **Assumptions and Constraints:**

- Review preparation and meeting duration will not reduce by adding multiple resources as each individual has to review the entire document.
- Requirement document must be created by Requirement engineers and must be reviewed by engineers from other technical areas as they need to understand the requirement to work on their respective tasks.
- Analysis and design document must be created by system engineers and can be reviewed by any engineer.
- Code must be written by program engineers and can be reviewed by both program and system engineers (author cannot take part in code inspection preparation task).
- Unit Testing must be done by program engineers as it is a part of development activity.
- Defects found during unit testing must be tested by program engineers, not testers.
- Test plan must be created by test engineers and can be reviewed by other engineers.
- Test execution must be done by test engineers.
- Defects found during test execution will be fixed by Program engineers and tested by test engineers.
- User documentation must be done by documentation engineers; however, it can be

reviewed by other engineers.

- **Pool project:**

Start date – 02/15/2016

Completion date – 11/03/2016

- ❖ **Task/Activity dependencies:**

- Project plan and Risk mitigation plan must be created by PM.
- Project Plan is the first phase in the project.
- Requirement phase can start after project plan phase is finished.
- “Write Use case model” task can start after “write requirement” task is finished.
- Test plan must be completed before execution.
- Documentation can finish only after testing is finished (finish to finish dependency).

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**Note:** I had incorrectly calculated duration in assignment#1 project for preparation tasks. I fixed it after evaluation and have used modified project for this assignment.