

Analysis

Project 1

Project Plan

Write Plan:PM1

Review Plan

Preparation for Review:PE1,RE1,SE1,TE1

Review Meeting: PE1,RE1,SE1,TE1,PM1

Rework:PM1

Requirement

Write Requirements:RE1,RE4,RE13,RE15

Write Use Case Model: RE1,RE4,RE13,RE15

Review Requirement/Use Case Model

Preparation For Review: :DE1,PE1,SE1,TE1

Review Meeting:DE1,PE1,SE1,TE1,RE1

Rework:RE4

Analysis Document

Write Analysis Document:SE1,SE2,SE5

Review Analysis Documents

Preparation for Analysis Documents:DE1,PE1,RE1,TE1

Review Meeting: DE1,PE1,RE1,TE1,SE1

Rework:SE1,SE2

Design Document

Write DD: SE1,SE2,SE5

Review DD

Preparation for DD:DE1,PE1,RE1,TE1

Review Meeting: DE1,PE1,RE1,TE1,SE1

Rework:SE1

Coding and Unit Testing

Write Code:PE1,PE4,PE6,PE22,PE37,PE43

Unit Testing

Prepare/Execute Test Case:TE1,TE25,TE34,TE49,TE51

Fix Found Defects: PE1,PE4,PE6,PE18,PE22,PE37,PE43

Test Fixed Defects: PE1,PE4,PE6,PE22,PE37,PE43

Code Inspection

Preparation for Code Inspection:PE18,PM1,RE1,SE1

Code Inspection Meeting: PE18,PM1,RE1,SE1,PE1

Rework:PE1,RE1,SE1,SE2,SE5,SE8

Testing

Write Test Plan (TP):TE6,TE19,TE25,TE51

Review TP

Preparation for TP:DE1,PE78,RE1,SE1

Review TP Meeting: PE1,PM1,RE1,SE1,TE6

Rework:TE6,TE19,TE25

Execute TP(test cases): TE1,TE25,TE34,TE49,TE51

Fix Found Defects: PE22,PE37,PE43,PE78

Test Fixed Defects:TE1,TE6,TE19,TE25

Documenation

User Documentation:DE36,DE37,DE42,DE43,DE46

Review UD

Preparation for UD:RE4,SE12,TE1,PE18

Review UD Meeting:DE36,PE18,PM1,RE4,SE12

Rework:DE36,DE42,DE43,DE46

Project 2

Project Plan

Write Plan:PM7

Review Plan

Preparation for Review:PE4,RE4,SE2,TE6

Review Meeting: PE4,RE4,SE2,TE6,PM7

Rework:PM7

Requirement

Write Requirements:RE17,RE32

Review Requirement/Use Case Model

Preparation For Review: :PE4,PE6,SE8,TE49

Review Meeting: PE4,PE6,SE8,TE49,RE17

Rework:RE17

Lab and Environment Setup

Hardware

Install Server: SE1,SE2,SE5

Install Clients: SE8,SE12,SE13,SE47

Software

Install Development Tools: SE8,SE12,SE13,SE47

Install Testing Tool: SE8,SE12,SE13,SE47

Analysis/Design Document

Write DD:SE8,SE12,SE13, SE47

Review DD

Preparation for DD: DE43,PE22,RE17,TE34

Review Meeting: DE43,PE22,RE17,TE34,SE12

Rework:SE13,SE47

Coding and Unit Test

Write Code:PE1,PE4,PE6,PE22,PE37,PE43

Unit Testing

Prepare/Execute Test CaseS:PE1,PE4,PE6,PE22,PE37

Fix Found Defects: PE4,PE6,PE22,PE37,PE43

Test Fixed Defects: PE4,PE6,PE22,PE37,PE43

Code Inspection

Preparation for Code Inspection:PE18,PM7,RE4,SE12

Code Inspection Meeting: PE18,PM7,RE4,SE12,PE1

Rework:PE1,PE4,PE6

Testing

Write Test Plan (TP):TE6,TE19,TE25,TE51

Review TP

Preparation for TP:DE1,PE78,RE1,SE1

Review TP Meeting: PE1,PM1,RE1,SE1,TE6

Rework:TE6,TE19,TE25

Execute TP(test cases): TE1,TE6,TE19,TE25,TE34,TE49,TE1

Fix Found Defects: PE22,PE37,PE43,PE78

Documenation

User Documentation:DE36,DE37,DE42,DE43,DE46

Review UD

Preparation for UD:PE18, RE4, SE8,TE49

Review UD Meeting:DE36, PE18, RE4, SE8,TE49

Rework:DE36,DE37,DE42

Project 3

Project Plan

Write plan: PM9

Preparation for review: PE22, RE15, RE17, TE25

Review meeting: PE22, RE15, RE17, TE25, PM9

Rework: PM9

Documented Software Development Process Updates

Process change

Preparation for review

Review meeting

Rework

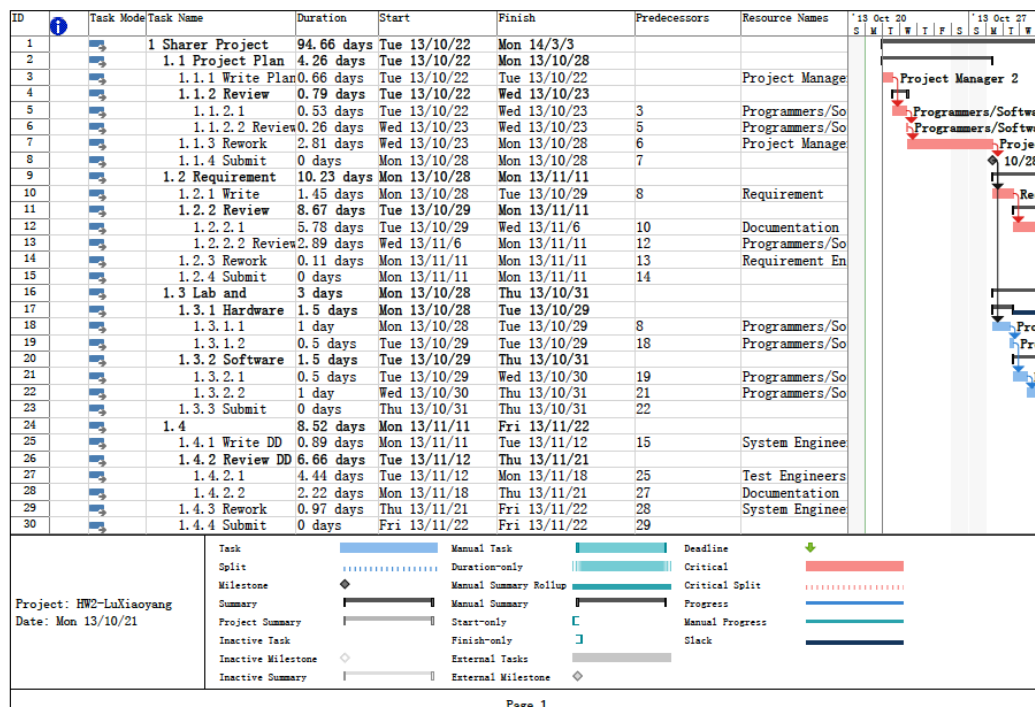
Question 7

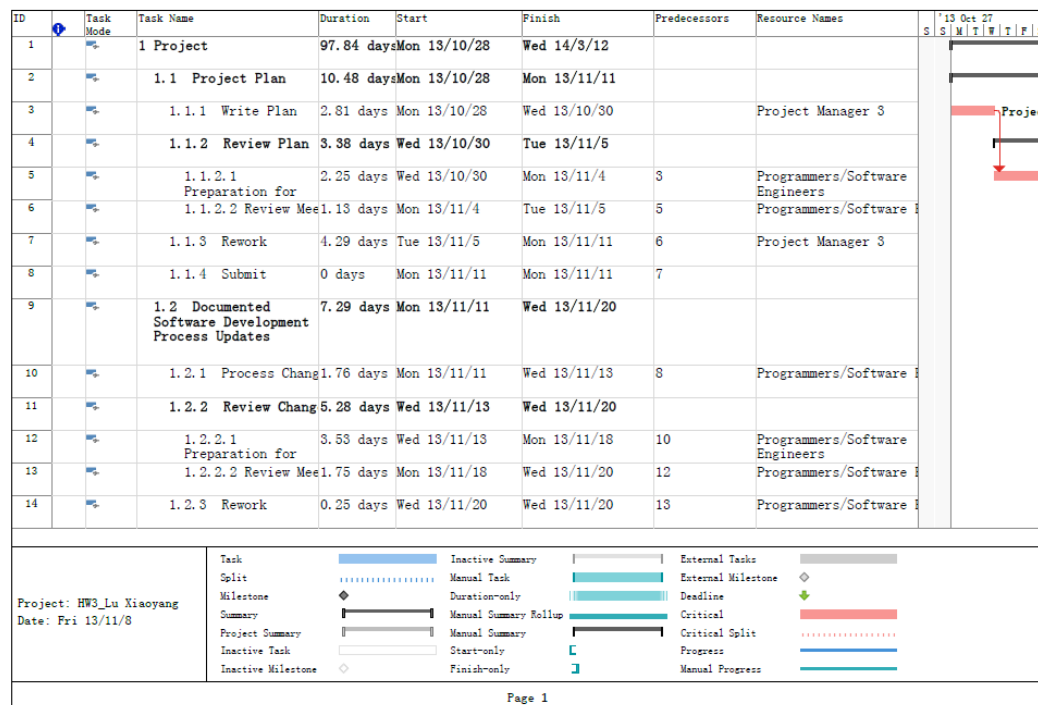
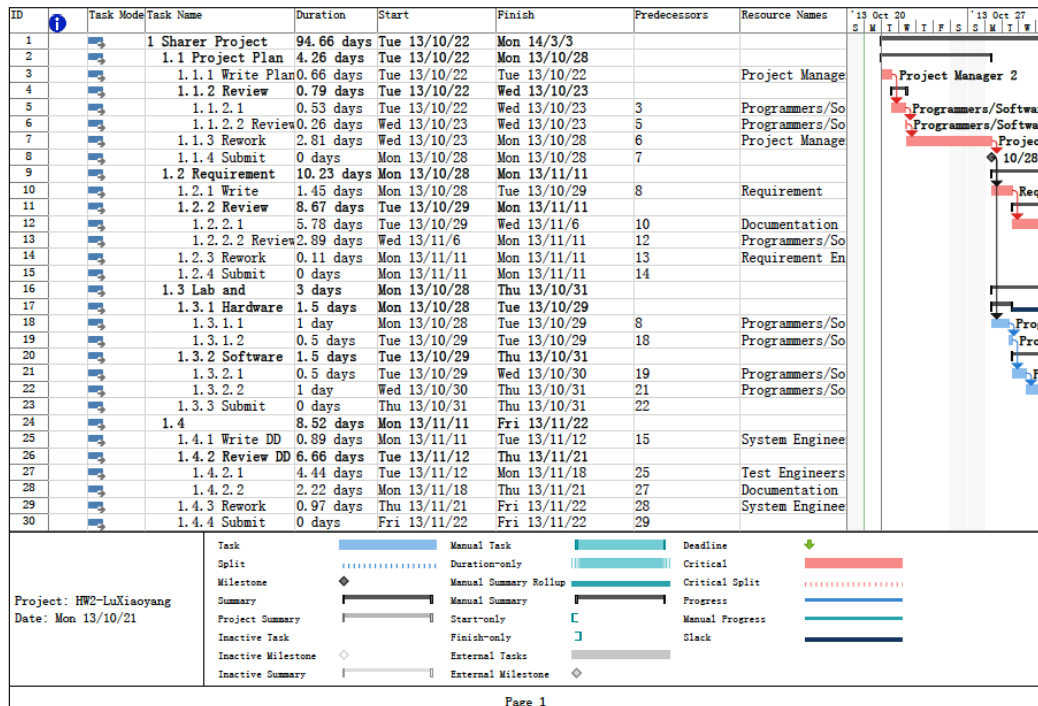
The earliest finish date for project 3 if it scheduled to start on 10/28/13 is 3/12/14.

Question 8

In my opinion the project cannot complete 3 months after it starts. The work size of project 3 is similar to project 1, without other projects sharing the resources; the project 1 cannot finish 3 months after its starts date. So with sharing resources with two other projects, there is little probability of project 3 to finish 3 months after it started. And in my project, when I met conflicts I delayed the tasks time for project 3, but I do not think I delayed too much time. So even project 3 use some same resources with project 1 or project 2 at the same time, and it may uses 30% or 40% of the resource, the finish date would be similar with that no sharing resources. In conclusion, in my view, project 3 cannot be completed 3 months after it starts.

Question10





Here are some examples of WBS for project 1,2,3. In the picture we could see each task directly and besides the tasks, it show a colored time line said the start and finish time of each task and show the relationships between tasks. At the bottom, it also tells us which color or different lines' meaning. It helps us to know the whole project much better than just looking and the .mpp file. We can use it analysis the whole project more quickly.

Write Plan
Start: 13/10/7 ID: 3
Finish: 13/10/14 Dur: 5.5 days
Res: Project Manager 1

Review Plan
Start: 13/10/14 ID: 4
Finish: 13/10/23 Dur: 6.6 days
Comp: 0%

Preparation for Review
Start: 13/10/14 ID: 5
Finish: 13/10/18 Dur: 4.4 days
Res: Programmers/Software Engineers 1, Re

Review Requirement/Use Case Model
Start: 13/10/29 ID: 12
Finish: 13/11/5 Dur: 5.43 days
Comp: 0%

Sharex Project
Start: Tue 13/10/ID: 1
Finish: Mon 14/3/Dur: 94.66 days
Comp: 0%

Project Plan
Start: Tue 13/10/ID: 2
Finish: Mon 13/10/Dur: 4.26 days
Comp: 0%

Requirement
Start: Mon 13/10/ID: 9
Finish: Mon 13/11/Dur: 10.23 days
Comp: 0%

Requirement
Start: Wed 13/11/ID: 16
Finish: Thu 13/12/Dur: 16.01 days
Comp: 0%

Build the development and testing :
Start: Mon 13/10/ID: 23
Finish: Tue 13/11/Dur: 16.19 days
Comp: 0%

Here are some examples of ND of project 1,2 and 3. We can easily see that different tasks are in different shapes with tow colors, and it also uses lines to connect the relationship with related tasks. In the shape, it has the start and finish time, name, copm of the task as well. So it will help us look at the tasks more visually and we could easily see the relationship between different tasks.

For resource pool utilization of my projects, I all used 100% of each resource at one time. I never use a same resource for 2 or 3 tasks at the same time. And I used 100% of resource except 70% of SE(I did not use SE71, SE89 SE90 in the project).