# Chapter 3

Managing the Information Systems Project

Problems and Exercises Solutions

1 . Which of the four phases of the project management process do you feel is most challenging? Why?

2 . What are some sources of risk in a systems analysis and design project, and how does a project manager cope with risk during the stages of project management?

3. Suppose that you have been contracted by a jewelry store to manage a project to create a new inventory tracking system. Describe your initial approach to the project. What should your first activity be? What information would you need? To whom might you need to speak?

4. Draw a Network diagram for the following table and calculate the critical path

|  |  |  |
| --- | --- | --- |
| Activity | Time (weeks) | Immediate Predecessors |
| A | 1 |  |
| B | 1 | A |
| C | 2 | B |
| D | 3 | B |
| E | 3 | C |
| F | 2 | D |
| G | 1 | E,F |

5. A project has been defined to contain the following list of activities along with their required times for completion.

|  |  |  |  |
| --- | --- | --- | --- |
| Activity No. | Activity | Time (weeks) | Predecessors |
| 1 | Collect requirements | 3 |  |
| 2 | Analyze processes | 2 | 1 |
| 3 | Analyze data | 2 | 2 |
| 4 | Design processes | 6 | 2 |
| 5 | Design data | 3 | 3 |
| 6 | Design screens | 2 | 3,4 |
| 7 | Design reports | 4 | 4,5 |
| 8 | Program | 5 | 6,7 |
| 9 | Test and Document | 7 | 7 |
| 10 | Install | 2 | 8,9 |

1. Draw a Network diagram for the activities.
2. Calculate the earliest expected completion time.
3. Show the critical path
4. What would happen if activity 6 were revised to take 6 weeks instead of 2 weeks?