# Lab 3 – Plan and Monitor the Project



Complete the following tasks:

1. Using your System Vision Document from Workshop 2, identify and break your system down into smaller *subsystems*. List them here.
2. Select one of the identified subsystems and develop a Work Breakdown Structure (WBS) to describe the tasks required to be undertaken. Use the example below to model your initial answer.

Text, letter

Description automatically generated

1. Below is a different way of presenting a Work Breakdown Structure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Description** | **Effort** | **Resources** | **Predecessor** |
| 1 | Manage environment, code control, documentation | 2 days | PM | 0 |
| 2 | Layout, program, and review input screens | 3 days | P1 | 0 |
| 3 | Unit test input screen | 1 day | P1 | 2 |
| 4 | Verify fields and build database schema (4 tables) | 1 day | P2 | 0 |
| 5 | Program methods of 4 classes | 5 days | P3, P4 | 0 |
| 6 | Identify build test cases for add and update | 3 days | P2 | 4 |
| 7 | Unit test 4 methods of 4 classes | 2 days | P3, P4 | 5 |
| 8 | Write support programs to verify database updates | 2 days | P2 | 6 |
| 9 | Perform integration testing of all components -  view, logic, data layers. | 2 days | P1, P2, P3, P4 | 1, 3, 5, 8 |

1. Create a Gantt chart for the Work Breakdown Structure shown in the table above.
2. Identify the critical path.
3. Take a screen capture of your entire Gantt chart and paste it below.
4. Using the Work Breakdown Structure you developed in Question 2 above:
5. Create a Gantt chart. You may need to rework it into a table format as shown in Question 3 above.
6. Identify the Critical Path.
7. Take a screen capture of your entire Gantt chart and paste it below.
8. Work on your assignment.