**The purpose of this simulation project is to provide the individual an opportunity to use the POM software to solve an MRP problem.**

**POM Software:**

For this part of the project, you will need to use the POM software:

1. **Launch the POM software and from the main menu choose Module-> Materials Resource Planning**
2. **Program the MRP for the problem below and solve it with the use of POM**

**POM software can be downloaded from:
http://wps.prenhall.com/bp\_heizer\_opsmgmt\_10/**

The product structure tree for the finished product A is given below.



The marketing department is estimating product A's demand to be 60 units for week 4 and 50 units for week 6. There is a scheduled receipt of 75 units for component D at the beginning of week 2. Various other MRP related information for the finished products and the components are provided below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   |   | A | C | D | E |
| On hand |   | 12 | 170 | 9 | 5 |
| Lead Time | 2 | 2 | 1 | 1 |
| Lot Size |   | LFL | 150+ | multiples of 40 | multiples of 22 |

**3.  Provide the MRP tables for all the finished products and the components for the next 6 weeks.**