Task/Activity Dependencies:

1. Analysis Activity can start as soon as requirement document is complete.
    a. **Requirements Review Rework → Write Analysis Document**
2. Design activity can start as soon as Analysis document is complete.
    a. **Analysis Review Rework → Write DD**
3. Data Model task can start when Detailed Design task finishes.
    a. **Review DD Rework → Write DM**
4. Coding can start as soon as design is complete.
    a. **Review DM Rework → Write Code**
5. Writing Test Plan can start as soon as requirements are complete.
    a. **Requirements Review Rework → Write TP of System Integration Testing**
    b. **Requirements Review Rework → Write TP of Load, Stress and Performance Testing**
6. Executing Test Plan can start as soon as coding is complete.
    a. **Code Inspection Rework → Executing TP of System Integration Testing**
    b. **Code Inspection Rework → Executing TP of Load, Stress and Performance Testing**
7. Documentation can start as soon as requirements are complete.
    a. **Requirements Review Rework → User Documentation**
8. Documentation review can start as soon as System Integration Testing is complete.
    a. **Test Fixed Defects of System Integration Testing → Review UD**
9. Training Material Activity can start as soon as requirements are complete.
    a. **Requirements Review Rework → Tutorial**
10. Tutorial review can start as soon as System Integration Testing is complete.
    a. **Test Fixed Defects of System Integration Testing → Review UD**

Questions:

1. **What is the earliest finish date for this project if it is scheduled to start on 7/22/16?**

   The earliest finish date for this project if the project is scheduled to start on 7/22/2016 (July 22nd 2016) is **11/8/2016** (November 8th 2016).

2. **If you are not allowed to use more than 25% of the resources available at any point of time for this project, what is the earliest finish date for this project if it is scheduled to start on 7/22/16?**

   The earliest finish date for this project if we are not allowed to use more than 25% of the resources available at any point of time for this project and is scheduled to start on 7/22/2016 (July 22nd 2016) is **9/28/2017** (September 28th 2017).