A work breakdown structure (WBS) is a depiction of all the work to be done on a project. It typically depicts a hierarchical breakdown of the tasks to be done to complete the project. It is usually structured along some sort of logical reasoning such as a lifecycle or a set of deliverables.. For example:

* Project
  + Analysis
    - Analysis Deliverable 1
      * Task
      * Task
      * Task
    - Analysis Deliverable 2
    - …
    - …
    - Phase review
  + Design
  + Implementation

Some sequence can be implied in the structure but care should be taken doing so. A project schedule should be created that shows dependency (and sequence) and assigned resources to avoid any scheduling assumptions and misinterpretations

Since this part of our project focuses on the UML analysis of the system – the modeling – we can create a structure similar to the following.

The following page depicts the basic WBS for the UML modeling portion of this class project. Your own version might vary a little – but probably not too much. Notice how these tasks depend upon prior tasks being completed (in many cases). You MUST take care in how you assign tasks to team members to make sure that those dependencies are not violate.

Husky Air (HA) Rental System Replacement Project

* Analysis
  + Study/question/review HA and problem statement
  + Clarify any assumptions and unknowns
  + Prepare initial JBGE analysis
  + Functional Modeling
    - Use-case diagram
    - Use-case description(s)
    - Balance diagrams and descriptions
    - Activity diagrams
    - Balance activity diagrams, use-case diagrams, descriptions
    - Review/update JBGE analysis
  + Structural Modeling
    - Identify classes
    - Create CRC card(s)
    - Create class diagram
    - Balance diagram and cards
    - Create object diagram(s)
    - Verify diagrams complete
    - Review/update JBGE analysis
  + Behavioral Modeling
    - Create Sequence diagrams
    - Balance sequence diagrams with class diagram
    - Create comms diagrams
    - Balance comms diagrams with sequence and class diagrams
    - Create state/transition diagrams
    - Verify/validate STDs
    - Create CRUDE Matrix
    - Balance all diagrams
  + Create project analysis report document
  + Review analysis report document
  + Submit final version of analysis report document

This structure implies a proper sequence but, after performing your initial JBGE analysis, you might be able to create a schedule of tasks that allows for parallel work to be done.