

**22CSCI08I**

**Software Project**

**Management**

**Lab (2)**

**Topics to be covered:**

Work breakdown structure

- Example

Product breakdown structure

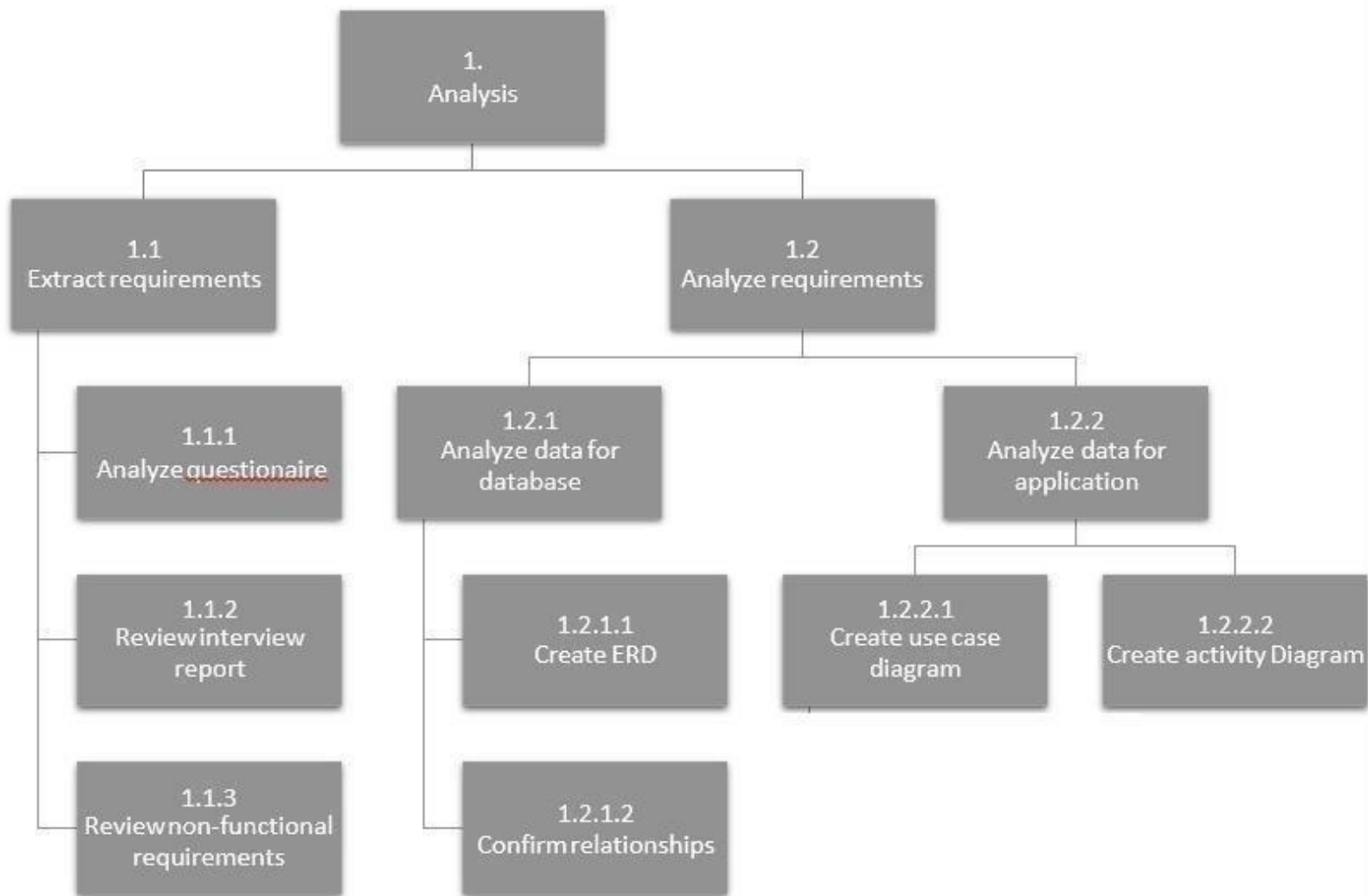
- Example

## Lab (2) Breakdown Structures

### **A. Work breakdown structure:**

- ☐ Acronym used is WBS
- ☐ Divide the project based on the activities / phases that are to be completed
- ☐ The initial node is always the project name
- ☐ The second level of the breakdown usually represents the division of phases
- ☐ The third level involves / includes the tasks to be done for each phase
- ☐ There may be further levels of detail, depending on whether the tasks are further divided into sub-tasks or not

The following is a WBS for the analysis phase. This is just a sample not the whole phase.

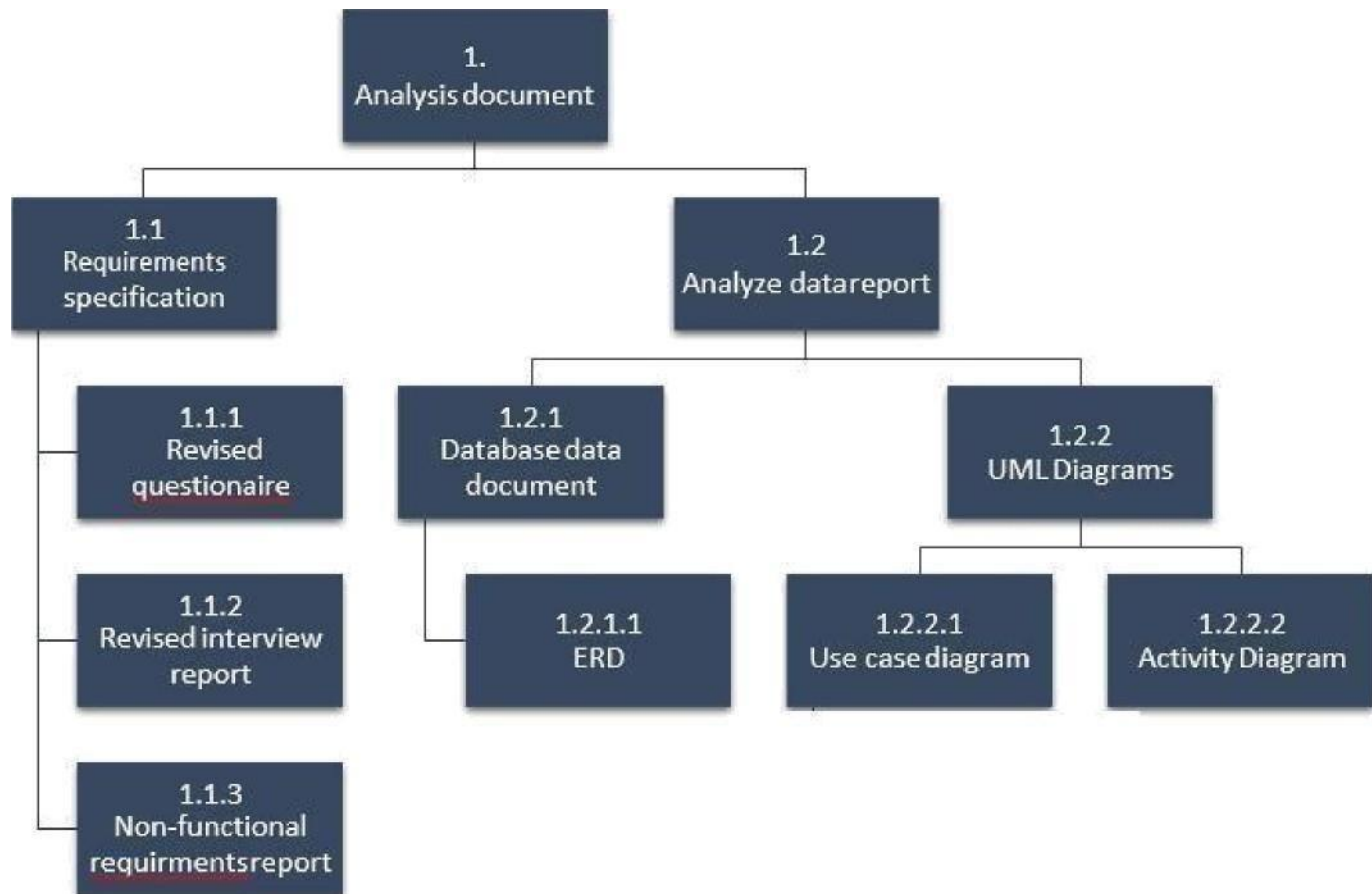


## **B. Product Breakdown structure:**

- ☐ Acronym PBS
- ☐ Breakdown is product-based such that it is based on the actual deliverables rather than the tasks / activities to be performed
- ☐ The initial node is always the final product
- ☐ The second level usually represents the different types of deliverables
- ☐ The third level involves the detailed deliverables for each major deliverable

### **Example:**

Based on the scenario that was used for creating the WBS, we will create a PBS for the analysis phase. In this case the PBS would show the deliverables that essentially represent, or rather are contained within, the analysis document.



**Summary:**

| WBS  |  | PBS                                |  |
|--|--|------------------------------------|--|
| Verbs                                      |  | Nouns                              |  |
| Work needed to deliver a product           |  | Product to be delivered            |  |
| Tells how to get there                     |  | Tells where to go                  |  |
| Ex: To-do list to accomplish shopping list |  | Shopping List                      |  |
| Represent processes, activities or tasks   |  | Represent deliverables or products |  |