

# 1-EPS (Enterprise Project Structure)

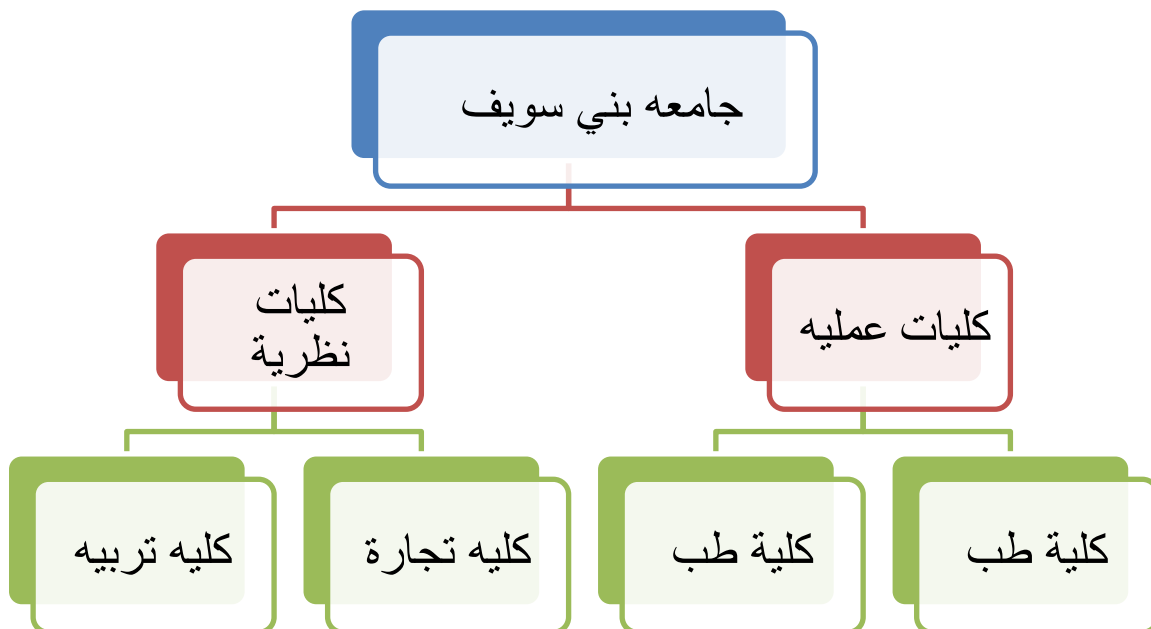
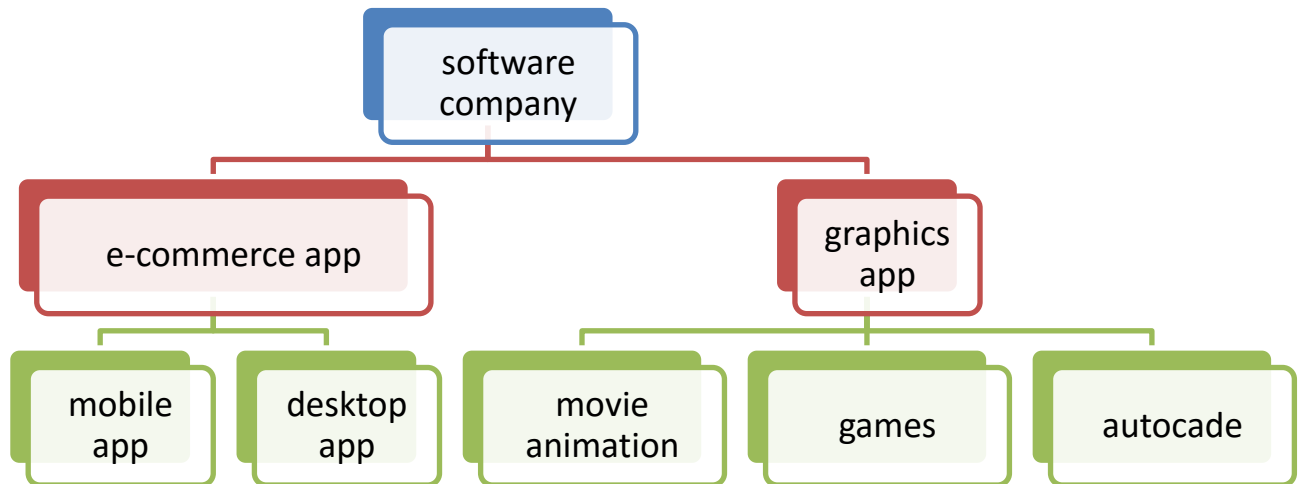
## Introduction

### Data Structures in P6

#### EPS (Enterprise Project Structure)

- Centralized Management of multiple projects
- Categorizes work in the Organization: A hierarchy of projects or a grouping of projects within departments
- Projects represent the lowest level of the EPS
- Every project in the organization must be included in an EPS

Innovative Construct	Multidisciplinary General Co...	\$148,886,535
Facilities	Facilities Division	\$145,785,838
Health Care	Health care	\$95,273,370
Lincoln Hospital	Lincoln Hospital Prost Rehab Center	\$24,170,460
Harbour Pointe	Harbour Pointe Assisted Living Center	\$41,102,910
Education	Education	\$10,932,441
Edison High	Edison Area High School (Renovation & New ...	\$10,932,441
Commercial	Commercial, Manufacturing & Distribu...	\$35,334,537
Lofty Heights	9 Pacific Drive - Lofty Heights	\$35,146,048
8ldg	Office Building Addition	\$186,479
Backlog	Facilities Division Pipeline	\$44,245,500
Awarded	Contracted Backlog (Not Started)	\$44,245,500
Proposed Project HC1	Hampton Gardens Senior Communities (Desig...	\$44,245,500
In Estimating	In Estimating	\$0
Proposed Project C-1	Tanqueray Heights Luxury Condominiums	\$0
Project Leads	In Business Development (Project Lea...	\$0
National Properties	Proposed 9 Story Midrise (ON At Risk)	\$0
Big Box Retail	New Office Depot Store	\$0
Retail Restaurant	Out Parcel Restaurant (King of Prussia, PA)	\$0
Infrastructure	Transportation & Infrastructur...	\$432,577
Transportation	Transportation	\$432,577
Roads & Bridges	Roads & Bridges	\$432,577
HwySouth	Phase 1 - Southbound	\$432,577
HwyNorth	Phase 2 - Northbound	\$0
Rail	Rail	\$0
Airports	Airports & Multimodal	\$0
Ports & Harbors	Ports & Harbors	\$0
Water/Waste	Water & Wastewater	\$0
Industrial	Industrial	\$1,426,840



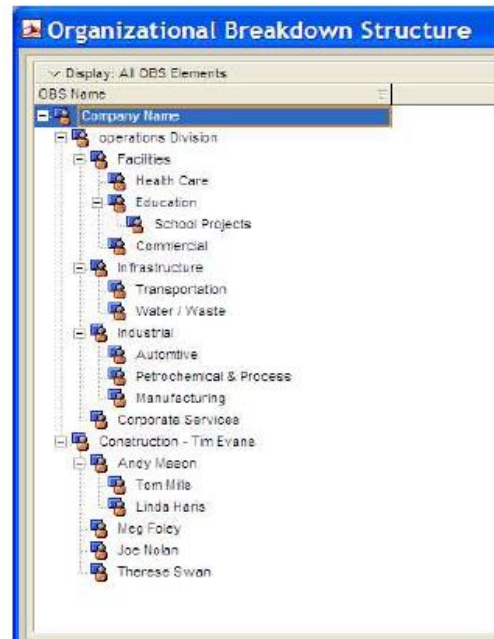
## **2-OBS (Organization Breakdown Structure)**

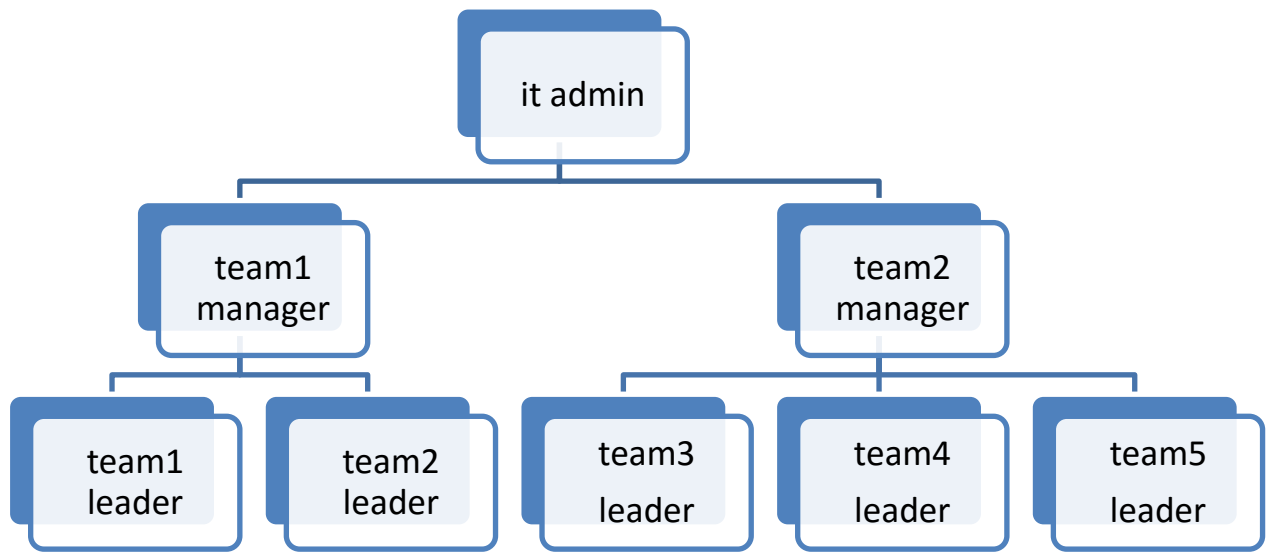
# Introduction (Cont'd)

## Data Structures in P6

### OBS (Organization Breakdown Structure)

- A Separate *global* hierarchy reflecting the management structure
- One OBS for the entire organization
- Used to control access to projects and data
- An OBS element/person will be responsible for each node/project within the EPS





**3- Create new project using file tap**

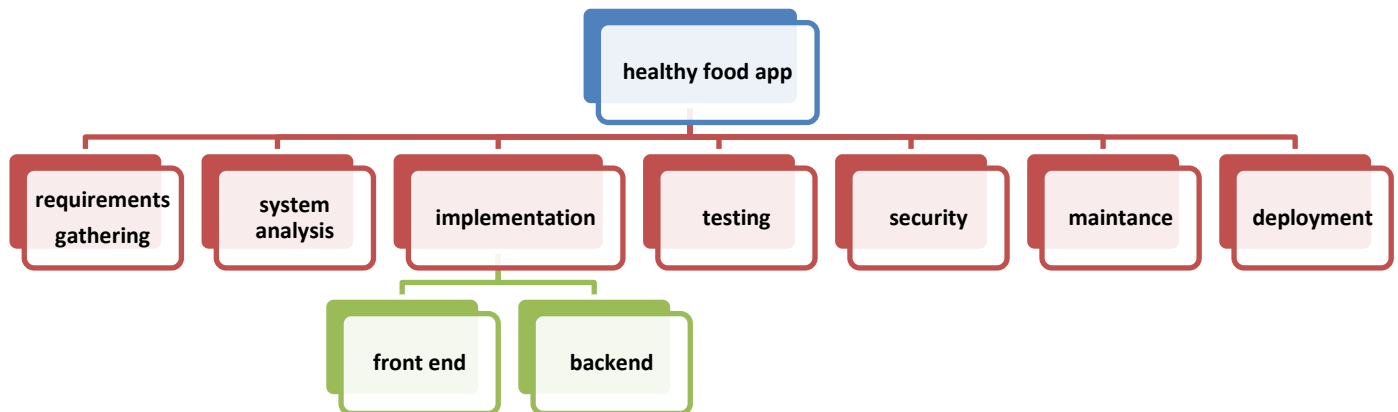
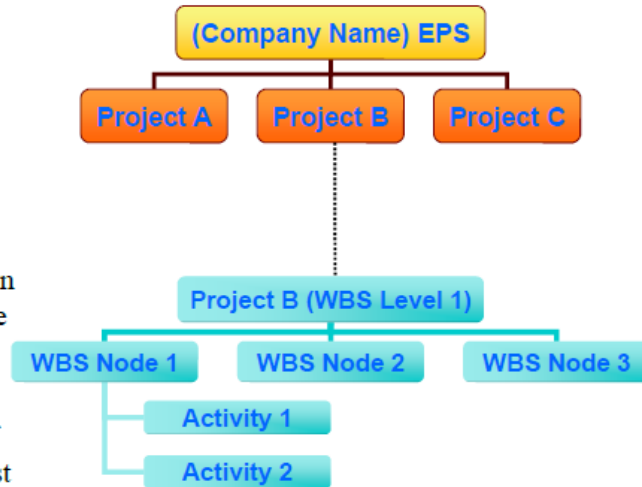
**4- Work Breakdown Structure**

# Introduction (Cont'd)

## Data Structures in P6

### Work Breakdown Structure

- Acts as a continuation for the individual projects in the EPS
- The WBS is a Project-Specific Structure. Each project has its own WBS that further breaks down the work in that project.
- The project is the highest level of the WBS. Activities are the lowest level of the WBS



### 3-Add activities into WBS using add or insert button in keyboard

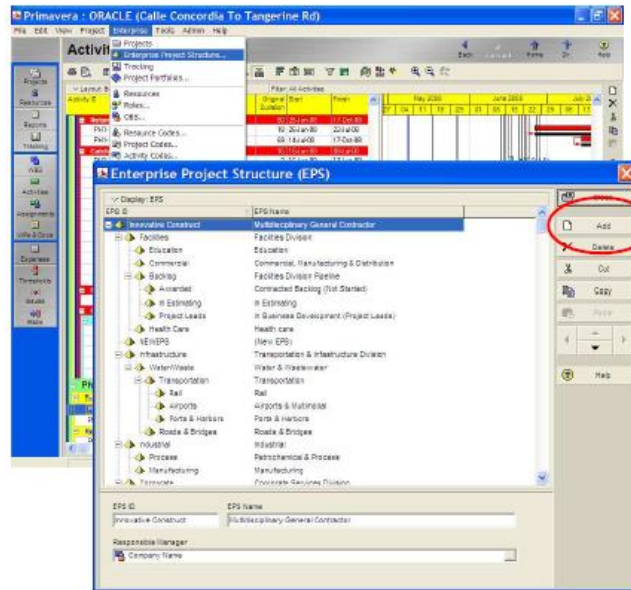
Activity code	Wbs name	Activity name						
A1000	Requirements	1. define user requirements 2. define content requirements  3- define system requirements						
A1010	System analysis	1. context diagram 2. DFD diagram 3. data dictionary 4. use cases 5. ERD						
A1020	<table><tr><th>Implementation</th><th>Activity name</th></tr><tr><td>V3.1 Frond end</td><td>1- Html 2- Css 3- Java script 4- photoshop</td></tr><tr><td>V3.2 Back end</td><td>1- database implementation 2- content creation using programming 3- graphics and interfaces</td></tr></table>		Implementation	Activity name	V3.1 Frond end	1- Html 2- Css 3- Java script 4- photoshop	V3.2 Back end	1- database implementation 2- content creation using programming 3- graphics and interfaces
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V3.2 Back end	1- database implementation 2- content creation using programming 3- graphics and interfaces							
<u>A1030</u>	<u>Testing</u>	1. <u>Forms components test</u> 2. <u>Function test</u>						
	Security	1- Database security						
	Maintenance	1- Changes document						
	Deployment	1- Preparation setting for setup						

# Primavera steps

## 1- EPS, OBS,create new projects ,WBS,activities

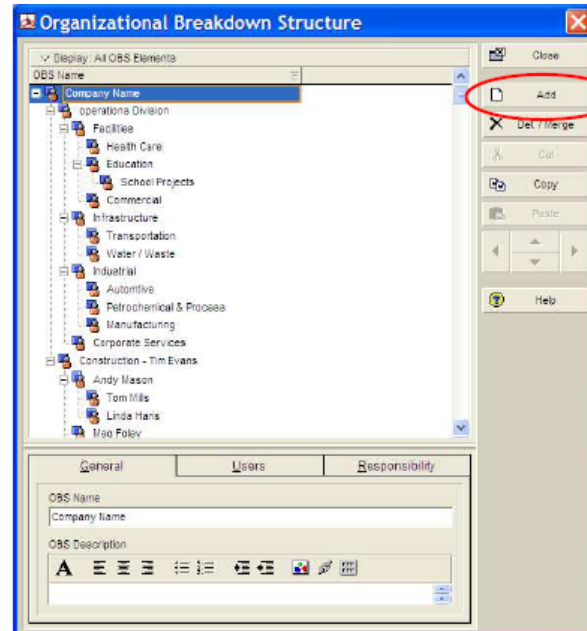
### Creating a New EPS

1. Enterprise Command Menu → Enterprise Project Structure
2. Click Add
3. Specify EPS ID & Name
4. Change the EPS position in the hierarchy using arrows
5. Modify Display Options



### Creating a New OBS

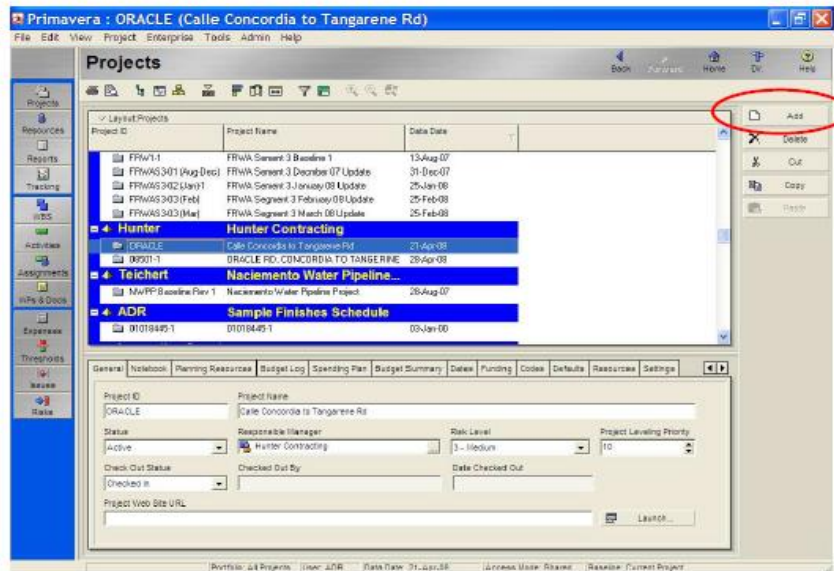
1. Enterprise Command Menu → OBS
2. Right-click → OBS Details
3. Click on the OBS node that you want to add a person under, then click Add
4. Change hierarchical position using appropriate arrow
5. Go back to the new EPS to Change the “Responsible Manager” name



# Creating a New Project

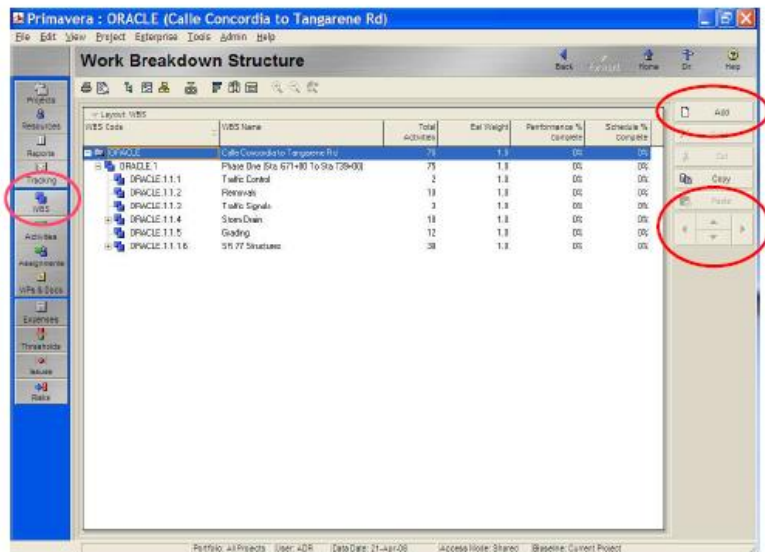
## To Create a new Project

- Select the EPS to which you want to add the new project
- Click Add *OR* Right-Click the EPS → Add
- Type Project Data
- Project ID
- Project Name
- Planned Start Date
- **"Must Finish By" : Contract Finish Date**
- Responsible Manager in the OBS
- Rate Type: Price/Unit



# Creating the WBS

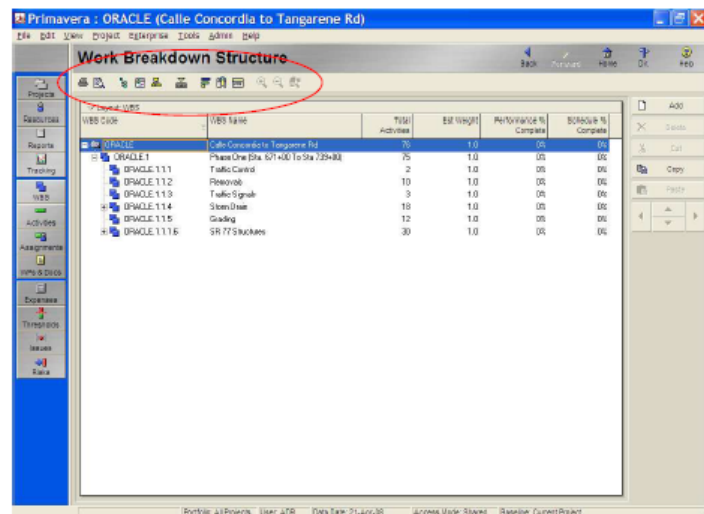
1. Open the new Project
2. Click on the "WBS" tab in the Directory Toolbar
3. The Project is by default WBS Level 1
4. Click on the "Columns" icon to show the WBS Code, Name & Path





## Creating the WBS (Cont'd)

6. Insert a new WBS element by selecting the WBS level under which you want the new WBS node to exist then click "Add"
7. Enter the WBS element's name & code. Code is incremented automatically.
8. Change the WBS element's level in the hierarchy using the arrow keys



## Adding Activities

1. Click on the "Activities" icon in the Directory Toolbar
2. Right-Click where you want to insert the new activity → "Add"  
OR  
Click the "Add" icon and follow the Wizard steps  
OR  
Click "Insert"

