

Project Management Professionals Hot Topics & Challenges – Time Management



**Topic: How PMI's 7 Time Management processes
make sense in real world?**

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Agenda

- 47 Process defined by PMI
- Time Management Processes
- Develop a project schedule in real life
- Questions?

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PMI's 47 Processes

		Process Groups					Total # of Processes
		Initiating	Planning	Executing	Monitoring & Controlling	Closing	
Knowledge Areas	Integration	1	1	1	2	1	6
	Scope		4		2		6
	Time		6		1		7
	Cost		3		1		4
	Quality		1	1	1		3
	Human Resource		1	3			4
	Communication		1	1	1		3
	Risk		5		1		6
	Procurement		1	1	1	1	4
	Stakeholder	1	1	1	1		4
Total # of Processes		2	24	8	11	2	47

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7 Processes for Time Management

- ✓ Plan Schedule Management - Planning
- ✓ Define Activities - Planning
- ✓ Sequence Activities - Planning
- ✓ Estimate Activity Resources - Planning
- ✓ Estimate Activity Durations - Planning
- ✓ Develop Schedule - Planning
- ✓ Control Schedule – Monitoring & Controlling

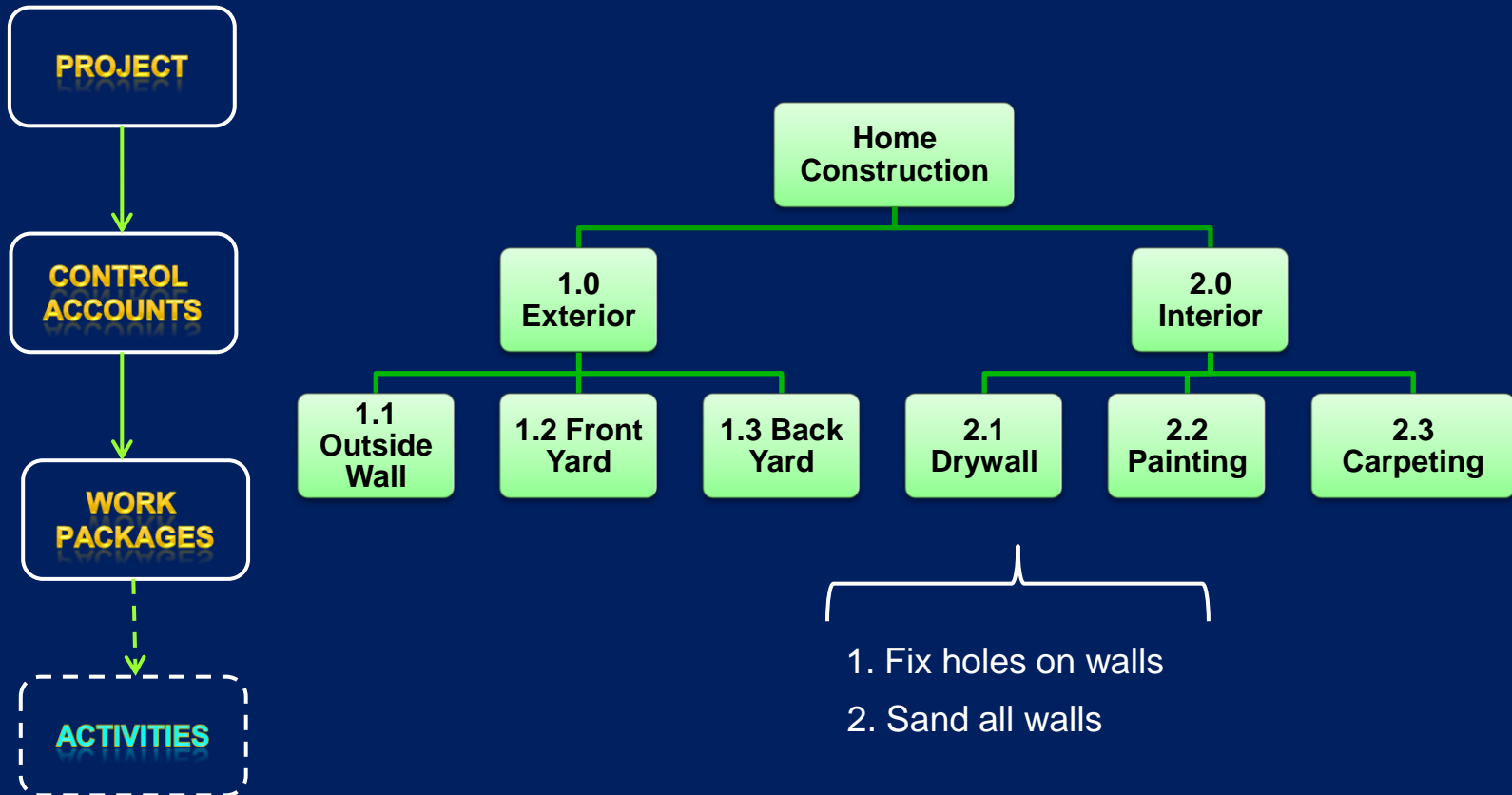
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Components of a project Schedule

1. Activities or tasks
2. Dependencies
3. Resources
4. Durations
5. Start Date and End Date

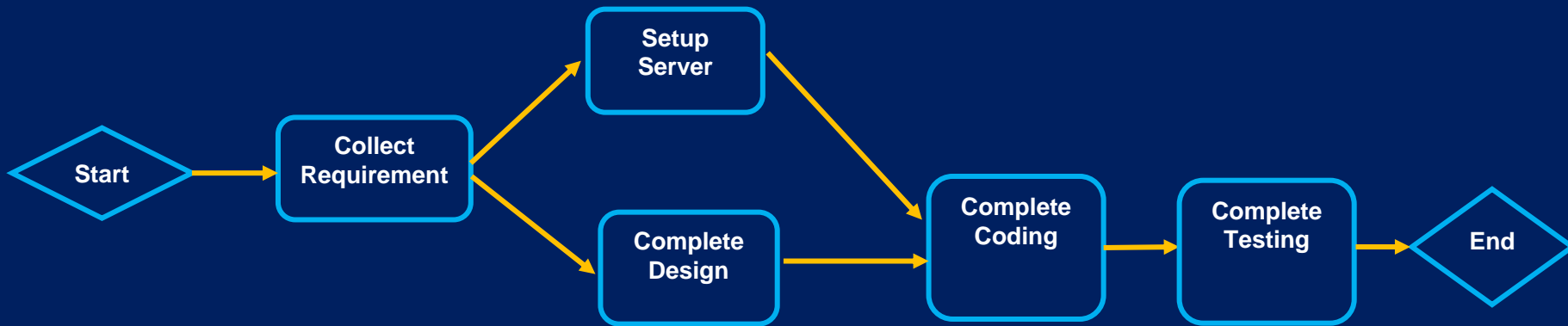
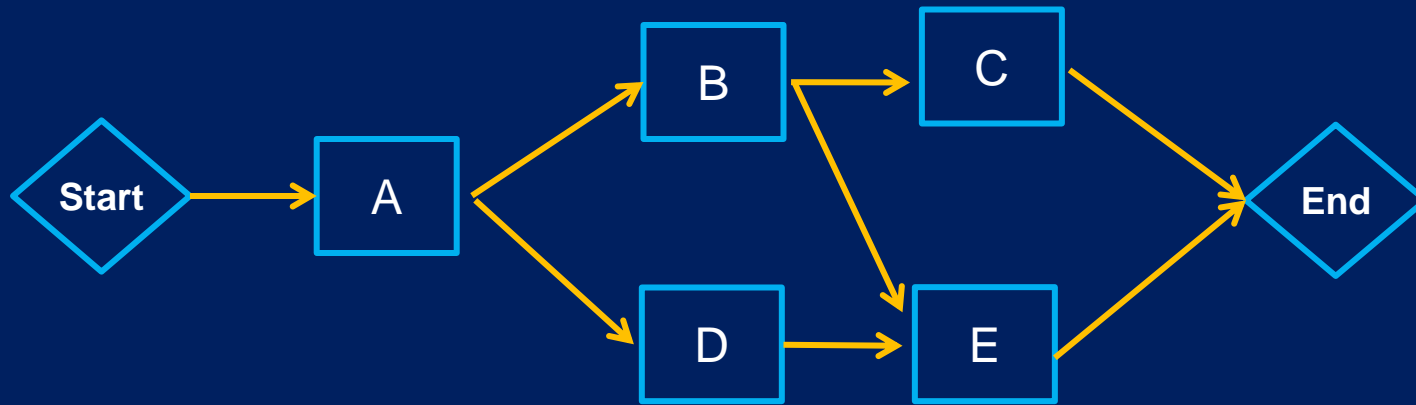
How to come up with activity list?



WBS

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How to come up with activity sequence?



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**1. Plan
Schedule
Management**

**5. Estimate
Activity
Durations**

**6. Develop
Schedule**

**7. Control
Schedule**

Major Milestones	Durations	Baseline Start Date	Baseline End Date	Resources	Dependency	Actual Start Date	Actual End Date
Dry wall							
1.1 Fix holes on walls	4 days	3/3	3/6	Res A		3/4	3/8
1.2 Sand all walls	3 days	3/7	3/9	Res M, N	1.1		
Painting							
2.1							
2.2							
2.3							
Carpeting							
3.1							
3.2							

**2. Define
Activities**

**4. Estimate
Activity
Resources**

**3. Sequence
Activities**

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Time Management processes with key outputs

Time Management Process	Done During	Key Outputs
Plan Schedule Management	Planning Phase	Schedule Management Plan
Define Activities	Planning Phase	Activity List Activity Attributes
Sequence Activities	Planning Phase	Project Network Diagram
Estimate Activity Resources	Planning Phase	Resource Requirements RBS
Estimate Activity Durations	Planning Phase	Duration Estimates
Develop Schedule	Planning Phase	Project Schedule Schedule Baseline
Control Schedule	Monitoring and Controlling	Work Performance Information Change Request

Key Outputs

Schedule Management Plan: Defines how schedule will be planned, developed, managed, executed, and controlled.

- Scheduling methodology and tools
- Schedule baseline
- Unit of measurements
- Acceptable and unacceptable variances
- Schedule change control procedures
- Schedule reporting formats and frequency
- Guideline on schedule variance identification and controlling
- Rules of performance measures, such as schedule variance (SV), and schedule performance index (SPI)

Key Outputs

Activity List: This list should have all the scheduled activities that are required to complete the project work

❑ **Activity Attributes:** Activity ID, WBS ID, name, completion date, description, predecessor and successor, resource assigned, constraints and assumptions, level of effort etc.

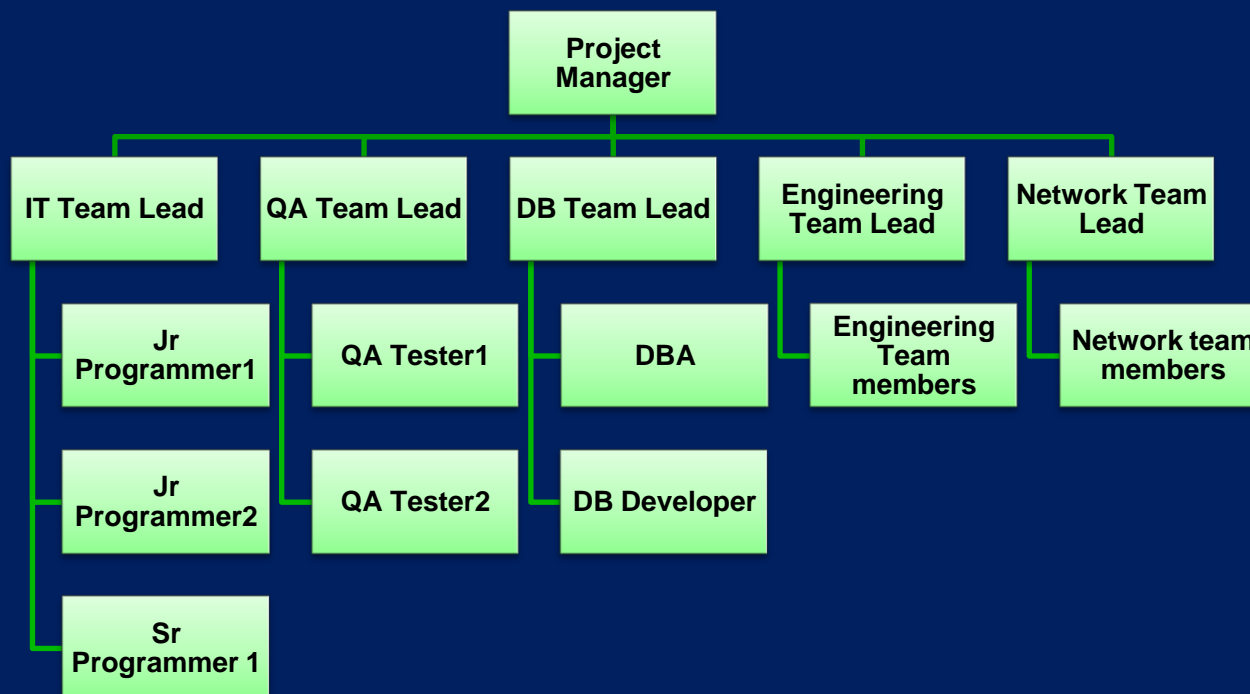
❑ **Milestone List:** Milestones are considered to be major significant events or points in the project

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Key Outputs

Activity Resource Requirements: Resource requirement such as resource types, quantities etc for each activity in the work package is the key outputs.

Resource Breakdown Structure: RBS is a graphical and hierarchical structure of the identified resources



Key Outputs

- ❑ **Activity Duration Estimates:** These are the estimates of the likely number of work periods required for each activity.
- ❑ **Work Performance Measurements:** Schedule variance (SV), schedule performance Index (SPI) and other relevant measurements
- ❑ **Change Requests:** Change request can be generated to the schedule baseline

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Questions?