



Neapolis University Pafos

**Course Code:** IS506

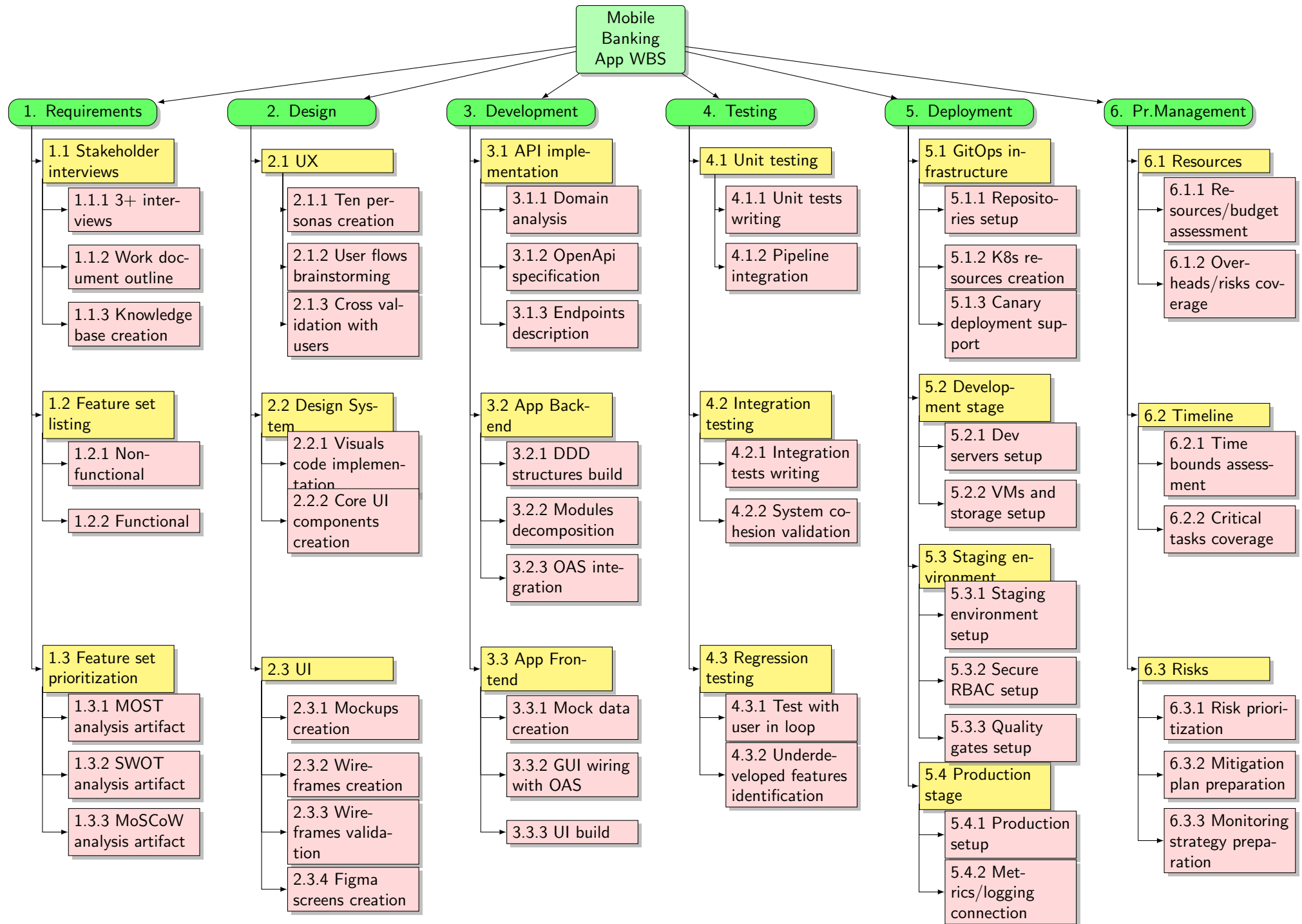
# **IT Project Management Midterm**

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# 1 Q1 (40 points)



## 2 Q2 (60 points)

activity:	A	B	C	D	E	F	G	H	I	J
duration:	2	5	3	7	3	4	3	3	4	2
slack:	0	0	5	0	4	5	0	1	0	0

Table 1: Activity durations and slack times

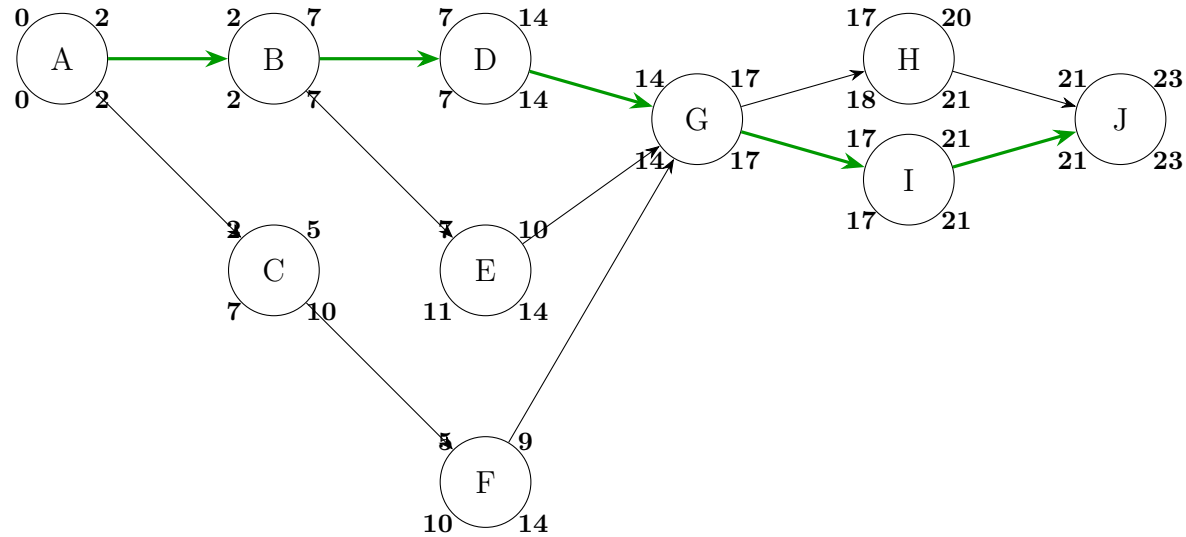


Figure 1: Activity on Node (AON) Diagram

**Forward Pass:** Definition of earliest start times based on earliest finish (EF) times.

- G:  $\max( D_{EF} = 14, E_{EF} = 10, F_{EF} = 9 ) = 14$
- J:  $\max( H_{EF} = 20, I_{EF} = 21 ) = 21$

**Backward Pass:** Definition of latest finish times based on latest start (LS) times.

- G:  $\min( H_{LS} = 18, I_{LS} = 17 ) = 17$
- B:  $\min( D_{LS} = 7, E_{LS} = 11 ) = 7$
- A:  $\min( B_{LS} = 2, C_{LS} = 7 ) = 2$

**Critical Path:**  $A \rightarrow B \rightarrow D \rightarrow G \rightarrow I \rightarrow J$

**Project duration:** 23 days