GROUP 4

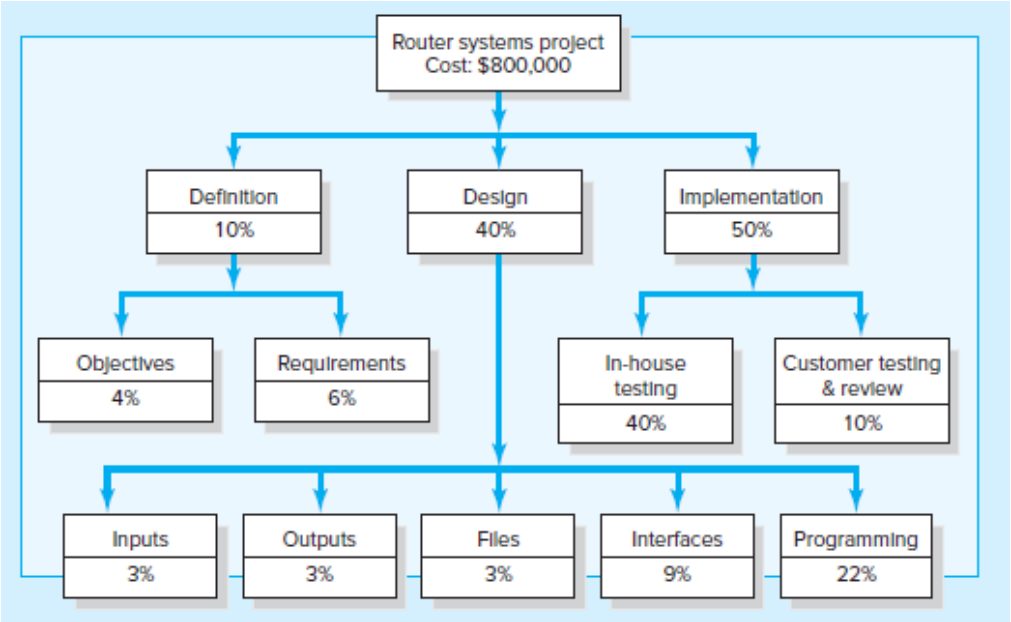
Ex Hw L5 Project Time and Cost Estimation

1.

Exercise Figure 5.1 is a project WBS with cost apportioned by percentages. If the total project cost is estimated to be $800,000, what are the estimated costs for the following deliverables?

a. Design
b. Programming
c. In-house testing

What weaknesses are inherent in this estimating approach?



a. Estimate design cost 320,000 Dollars. (800,000*40/100)
b. Estimate programming cost 176,000 Dollars (320,000*22/40)
c. Estimate In-house testing cost 320,000 Dollars (400,000*40/50)
d. มีพื้นความรู้มากพอที่จะจัดการและเปลี่ยนแปลงสัดส่วนได้มากแค่ไหนเพราะถ้าหากการชี้แจงไม่ชัดเจนจะทำให้ลืมหรืองงกับโครงสร้างที่ได้ทำขึ้นมา สามารถกำหนดได้แต่ต้องรู้ว่าค่าประมาณรวมเท่าไหร่หากไม่แม่นจะทำให้จุดตั้งต้นผิดและอาจจะผิดต่อไปเรื่อยๆ

2. Omega 2 Project. Using the “complexity weighting” scheme (See Table 5.2) and the function point complexity weighted table shown below, estimate the total function point count. Assume historical data suggest five function points equal one person month and six people have been assigned to work on the project.

Complexity Weight Table		
Number of inputs	15	Rated complexity low
Number of outputs	20	Rated complexity average
Number of inquiries	10	Rated complexity average
Number of files	30	Rated complexity average
Number of interfaces	50	Rated complexity high

a. What is the estimated project duration?

2. Omega 2 Project. Using the "complexity weighting" scheme (See Table 5.2) and the function point complexity weighted table shown below, estimate the total function point count. Assume historical data suggest five function points equal one person month and six people have been assigned to work on the project.

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Element	Count	Low	Average	High	Total FP	FORMULATEXT
Inputs	15	2			30	=D29*F29
Outputs	20		6		120	=D30*G30
Inquiries	10		4		40	=D31*G31
Files	30		8		240	=D32*G32
Interfaces	50			15	750	=D33*H33
					1180	=SUM(J29:J33)

= 39.3 (1180/5) (236/6)

b. If 20 people are available for the project, what is the estimated project duration?

= 11.8 (236)/20

c. If the project must be complete in six months, how many people will be needed for the project?

= 236/per month 236/6= 39.3 man