Preliminary Investigation Prep

1. Looking ahead, review the entire Final Project instructions and determine what tasks are currently known, and which ones will be learned in future weeks. In other words, what are the expectations and required components for the final document? Use this table to organize this section of the project. There might be many components that we have not covered yet. List them as unknown.

Known concepts	**Unknown concepts**	**Comment about unknown**
Analyzing a system	FDD diagram	We need to learn first
System requirements	DFD diagram	We need to learn first
Feasibility studies	Use case diagram	Learn how to create use case diagram and then produce
Stakeholders	Use case scenario	Learn how to create use case scenario and then produce
Determine problems and strengths with the current system	Data requirements catalog	Review examples and create or own
Current technology used		
Processes Being Used		
Determine strengths of the proposed system		
Analyzing Alternatives		
To-Be model		
Time estimates		

2. Using the elements listed in the above table, team members must create and fill a work breakdown table similar to the one below to determine the priority of each task and estimate the duration to complete each task. Only list tasks that are already known to the team at this time. This table is only a sample; create your own with relevant information based on the team's knowledge

Task #	Description	Duration (days)	Predecessor task
1	Review systems request and determine scope/requirements	5	Meet with stakeholders
2	Study and identify current system	7	Obtain permission to examine current system in-depth
3	Determine Strengths and weaknesses of current system	3	Interview employees and document impact of current system on stakeholders
4	Determine current systems technologies	2	Obtain permission to examine currently used technology on site
5	Create and describe FDD and DFD System Diagrams	Unknown	Determine the current system processes
6	Determine objectives, benefits, and functional requirements of proposed system	Unknown	Clear understanding of current system weaknesses and areas of potential improvement
7	Determine new system processes	Unknown	Reach consensus for new system
8	Analyze Alternatives to Proposed System	Unknown	Determine what alternatives are offered/what else is available
9	Establish Time Estimates for project completion	Unknown	Devise cohesive plan for the remaining SDLC phases

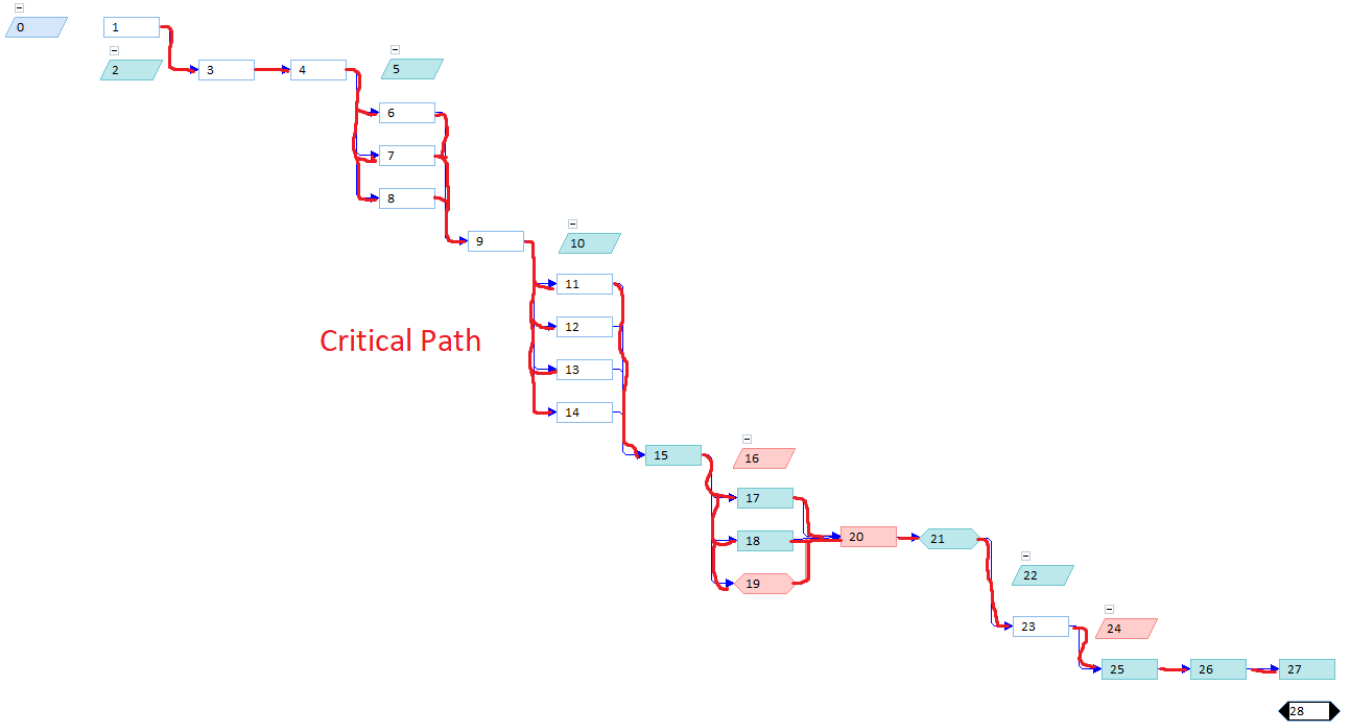
3 Guide.

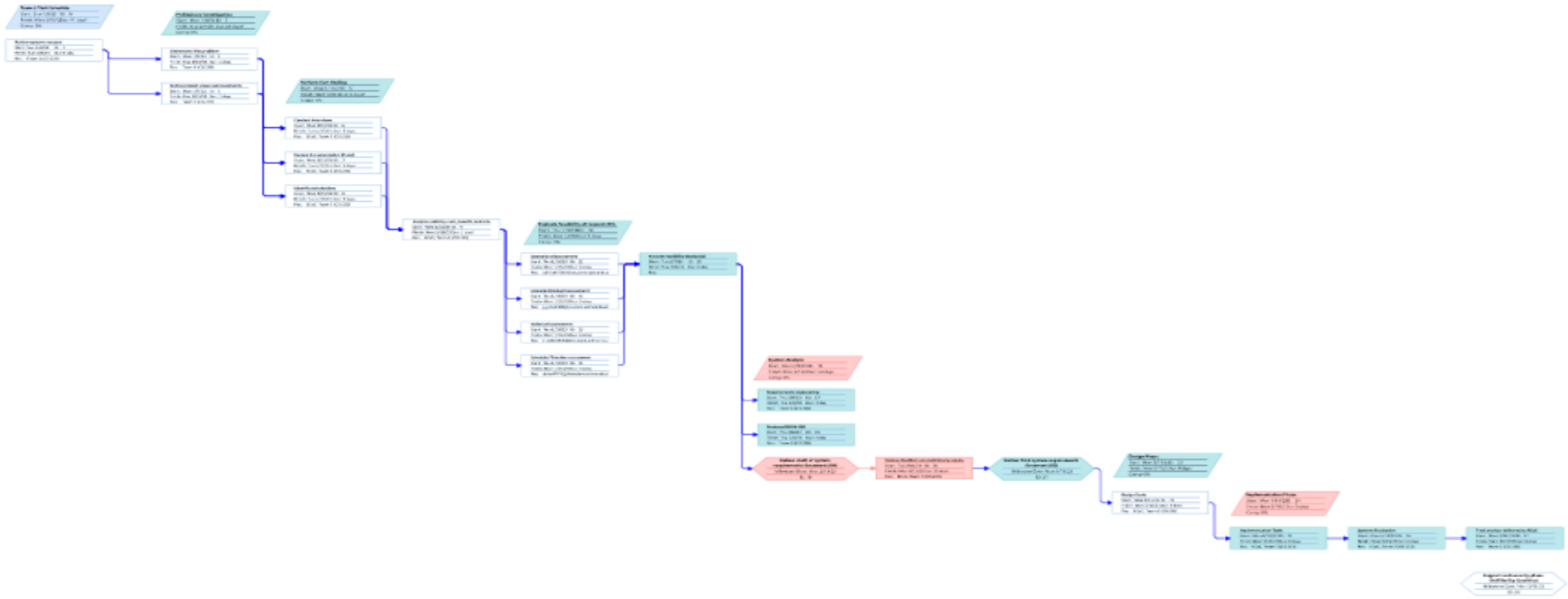
GANTT CHART

	Task Name	Duration	Predecessors	Add New Column
0	**Team 3 Task Schedule**	**47 days?**		
1	1 Review systems request	1 day		
2	**2 Preliminary investigation**	**22 days?**		
3	2.1 Understand the problem	2 days	1	
4	2.2 Define project scope and constraints	2 days	3	
5	**2.3 Perform fact-finding**	**6 days?**		
6	2.3.1 Conduct interviews	5 days	4	
7	2.3.2 Review documentation (if any)	5 days	4	
8	2.3.3 Identify stakeholders	5 days	4	
9	**2.4 Analyze usability, cost, benefit, and schedule**	1 day?	6,7,8	
10	**2.5 Evaluate feasibility of request (G1)**	**3 days**		
11	2.5.1 Operational assessment	3 days	9	
12	2.5.2 Economic/Budget assessment	3 days	9	
13	2.5.3 Technical assessment	3 days	9	
14	2.5.4 Schedule/Timeline assessment	3 days	9	
15	**2.6 Present Feasibility Study (G3)**	**1 day**	**11,12,13,14**	
16	**3 System Analysis**	**24 days**		
17	3.1 Requirements engineering	1 day	15	
18	3.2 Produce DFD & FDD	1 day	15	
19	**3.3 Deliver draft of system requirements document (G4)**	1 day	15	
20	3.4 Receive feedback on preliminary requirements	20 days	19,17,18	
21	**3.5 Deliver final system requirements document (G5)**	0 days	20	
22	**4 Design Phase**	**0 days**		
23	4.1 Design Tasks	0 days	21	
24	**5 Implementation Phase**	**0 days**		
25	5.1 Implementation Tasks	0 days	23	
26	5.2 Systems Evaluation	0 days	25	
27	5.3 Final product delivered to ECoC	0 days	26	
28	**6 Support and security phase (fulfilled by Qualtrics)**	0 days		

Numbers on the left of the guide (above) are tasks that correspond to the same number on the critical path (below)

3 Critical Path





Gantt Chart Below

4. Gantt Chart

	Task Name	Duration	Predecessors
0	**Team 3 Task Schedule**	**47 days?**	
1	1 Review systems request	1 day	
2	**2 Preliminary investigation**	**22 days?**	
3	2.1 Understand the problem	2 days	1
4	2.2 Define project scope and constraints	2 days	3
5	**2.3 Perform fact-finding**	**6 days?**	
6	2.3.1 Conduct interviews	5 days	4
7	2.3.2 Review documentation (if any)	5 days	4
8	2.3.3 Identify stakeholders	5 days	4
9	**2.4 Analyze usability, cost, benefit, and schedule**	1 day?	6,7,8
10	**2.5 Evaluate feasibility of request (G1)**	**3 days**	
11	2.5.1 Operational assessment	3 days	9
12	2.5.2 Economic/Budget assessment	3 days	9
13	2.5.3 Technical assessment	3 days	9
14	2.5.4 Schedule/Timeline assessment	3 days	9
15	**2.6 Present Feasibility Study (G3)**	**1 day**	**11,12,13,14**
16	**3 System Analysis**	**24 days**	
17	3.1 Requirements engineering	1 day	15
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19	**3.3 Deliver draft of system requirements document (G4)**	1 day	15
20	3.4 Receive feedback on preliminary requirements	20 days	19,17,18
21	**3.5 Deliver final system requirements document (G5)**	0 days	20
22	**4 Design Phase**	**0 days**	
23	4.1 Design Tasks	0 days	21
24	**5 Implementation Phase**	**0 days**	
25	5.1 Implementation Tasks	0 days	23
26	5.2 Systems Evaluation	0 days	25
27	5.3 Final product delivered to ECoC	0 days	26
28	**6 Support and security phase (fulfilled by Qualtrics)**	0 days