Analysis Phase

Task 1. Kick-off Meeting for Project
1.1. Task 1 Duration: 2 hours
1.2. Task 1 Purpose: Introduce the project to the team and stakeholders (Owners). Define the goals and objectives of the project.
1.3. Expected Input: Charter and stakeholder requirements
1.4. Expected Output: Comprehension of the project scope and objectives

Task 2. Business and Functional Requirements Gathering
2.1. Task 2 Duration: 5 days
2.2. Task 2 Purpose: Gather information about the needs of the users and owners, functionality of the system, and any system constraints.
2.3. Expected Input: Interviews with stakeholders, user surveys, or existing documentation
2.4. Expected Output: A list of high-level requirements, user stories, and use cases

Task 3. Requirements Analysis
3.1. Task 3 Duration: 3 days
3.2. Task 3 Purpose: Requirements analysis to determine consistency and feasibility of gathered requirements.
3.3. Expected Input: Elicit both feedback and response from the stakeholders on the requirements gathered
3.4. Expected Output: Refined requirements and prioritization: BRD (Business Requirements Document), FRD (Functional Requirements Document), and TRD (Technical Requirements Document)

Task 4. Domain Modeling
4.1. Task 4 Duration: 2 days
4.2. Task 4 Purpose: Identify the problem domain and define the key concepts and relationships within the problem domain.
4.3. Expected Input: BRD, FRD, user stories, and use cases
4.4. Expected Output: The domain model including DFDs (Data Flow Diagrams), class diagrams, and ERDs (Entity-Relationship Diagrams)

Task 5. UI (User Interface) Design
5.1 Task 5 Duration: 4 days
5.2 Task 5 Purpose: Design the UI based on the needs of the user and system requirements.
5.3 Expected Input: FRD, TRD, user feedback, and industry standards
5.4 Expected Output: UI mockups, wireframes, and interaction diagrams

Task 6. Data Modeling
6.1. Task 6 Duration: 3 days

6.2. Task 6 Purpose: Design the database schema and data structures to meet the system requirements.
6.3. Expected Input: FRD, TRD, and domain model
6.4. Expected Output: Data model (ER diagrams, database schema)

Task 7. Feasibility Study
7.1. Task 7 Duration: 2 days
7.2. Task 7 Purpose: Determine the technical and economic feasibility of the project.
7.3. Expected Input: All requirements (BRD, FRD, and TRD), cost estimates, and technology assessments
7.4. Expected Output: Feasibility report and recommendations

Task 8. System Architecture Design
8.1. Task 8 Duration: 5 days
8.2. Task 8 Purpose: Define the system architecture: components, interfaces, and deployment.
8.3. Expected Input: FRD, TRD, feasibility study, and design patterns
8.4. Expected Output: System architecture diagrams and component specifications

Task 9. Interface Specification
9.1. Task 9 Duration: 3 days
9.2. Task 9 Purpose: Define interfaces and integrations with any external systems.
9.3. Expected Input: System architecture, FRD, and TRD
9.4. Expected Output: Interface documentation and API specifications

Task 10. Security Analysis
10.1. Task 10 Duration: 3 days
10.2. Task 10 Purpose: Identify potential security risks and define the security requirements.
10.3. Expected Input: FRD, TRD, and system architecture
10.4. Expected Output: Security risk assessment report and security requirements document

Task 11. Performance Analysis
11.1. Task 11 Duration: 3 days
11.2. Task 11 Purpose: System performance requirements analysis and identify potential bottlenecks.
11.3. Expected Input: FRD, TRD, system architecture, and performance benchmarks
11.4. Expected Output: Performance analysis report and performance requirements document

Task 12. Quality Assurance Planning
12.1. Task 12 Duration: 2 days
12.2. Task 12 Purpose: Define the QA (quality assurance) approach and activities for the project.
12.3. Expected Input: FRD, TRD, and system architecture including industry standards
12.4. Expected Output: Quality assurance plan and test strategy

Task 13. Risk Identification

13.1. Task 13 Duration: 2 days
13.2. Task 13 Purpose: Identify potential risks that may impact the project's success.
13.3. Expected Input: All requirements (BRD, FRD, and TRD) and any additional project documentation thus far
13.4. Expected Output: Risk register and risk assessment

Task 14. Resource Planning
14.1. Task 14 Duration: 2 days
14.2. Task 14 Purpose: Allocate resources required for the project.
14.3. Expected Input: All requirements (BRD, FRD, and TRD), project scope, and team availability
14.4. Expected Output: Resource plan and resource allocation schedule

Task 15. Stakeholder Review
15.1. Task 15 Duration: 3 days
15.2. Task 15 Purpose: Present the findings of the analysis to the stakeholders for review and feedback.
15.3. Expected Input: All documentation from previous analyses and any stakeholder feedback thus far
15.4. Expected Output: Stakeholder feedback and updated analysis documentation

Task 16. Requirements (BRD, FRD, and TRD) Validation
16.1. Task 16 Duration: 4 days
16.2. Task 16 Purpose: Validate the requirements with the stakeholders.
16.3. Expected Input: All documentation from previous analyses and any stakeholder feedback thus far
16.4. Expected Output: Verified BRD, FRD, and TRD including any requirement change requests

Task 17. Complete Requirements (BRD, FRD, and TRD) Documentation
17.1. Task 17 Duration: 3 days
17.2. Task 17 Purpose: Document the finalized BRD, FRD, and TRD.
17.3. Expected Input: Verified BRD, FRD, and TRD including any requirement change requests and stakeholder feedback
17.4. Expected Output: Low-level BRD, FRD, and TRD and requirements traceability matrix

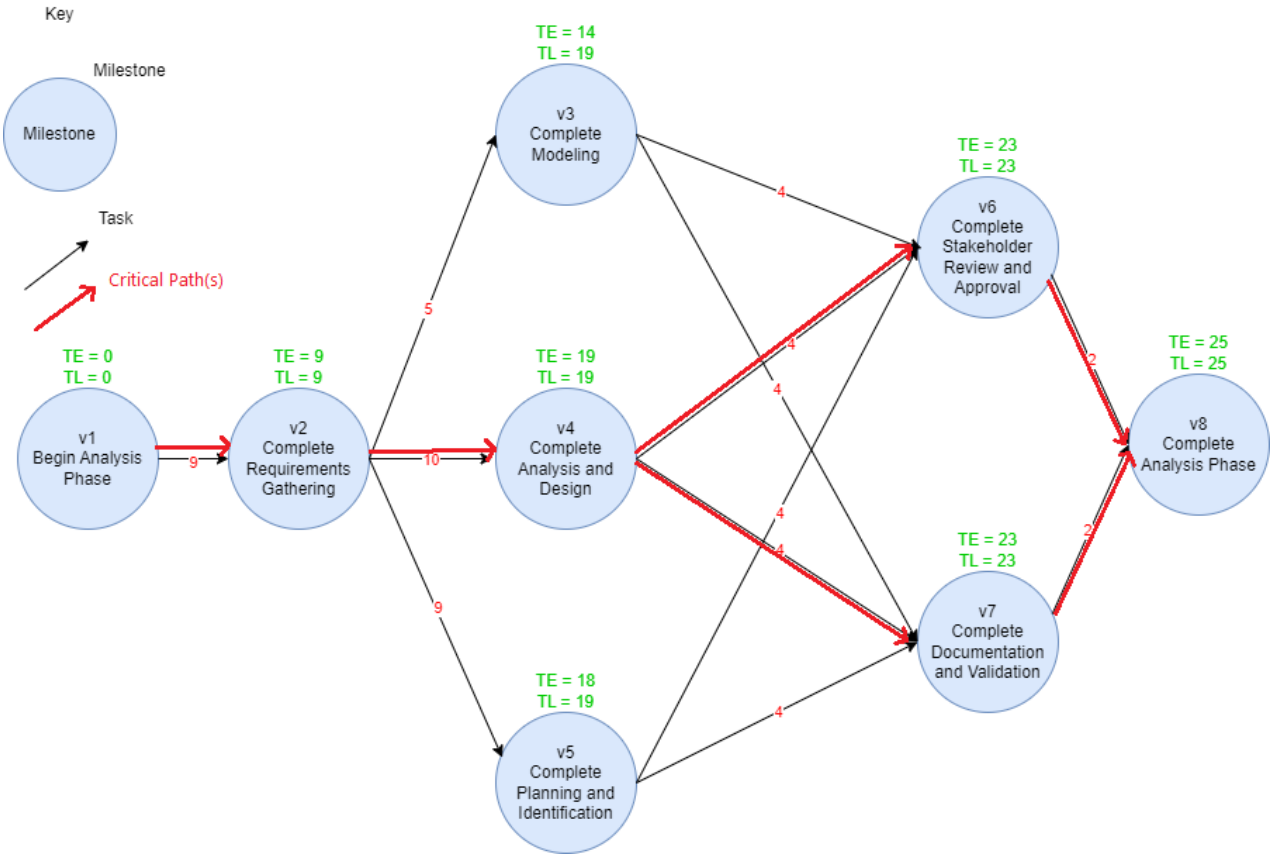
Task 18. Stakeholder Review and Approval
18.1. Task 18 Duration: 2 days
18.2. Task 18 Purpose: Conduct a final review of the analysis phase deliverables and acquire approval from the stakeholders (owners).
18.3. Expected Input: All requirements documentation (BRD, FRD, and TRD) and any stakeholder feedback
18.4. Expected Output: Approved requirements documentation (BRD, FRD, and TRD) and signed-off deliverables

Task 19. Baseline Definition

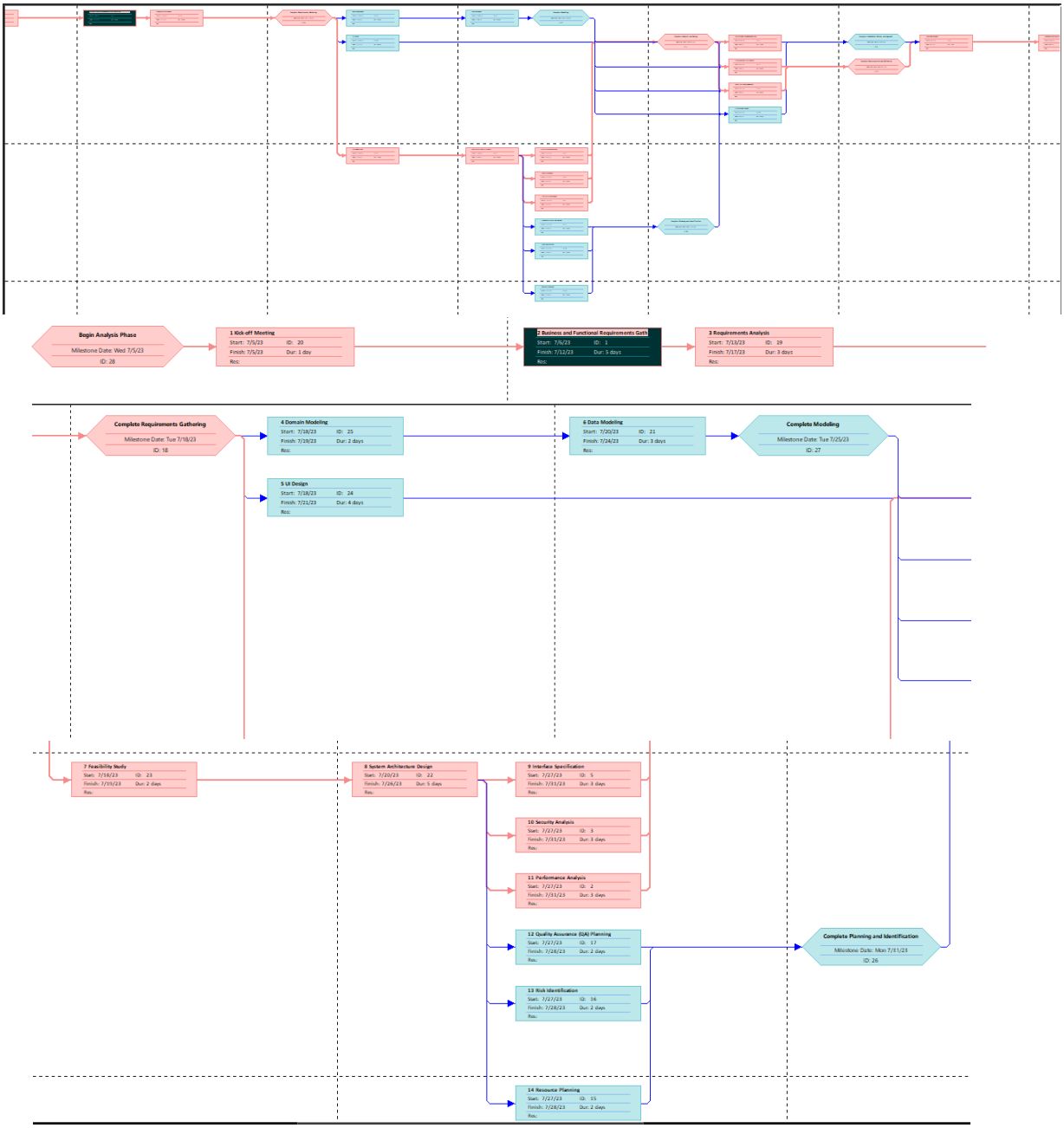
19.1. Task 19 Duration: 1 day
19.2. Task 19 Purpose: Establish baseline for the analysis phase deliverables.
19.3. Expected Input: Approved requirements documentation (BRD, FRD, and TRD) and signed-off deliverables
19.4. Expected Output: Baseline documentation and configuration management plan

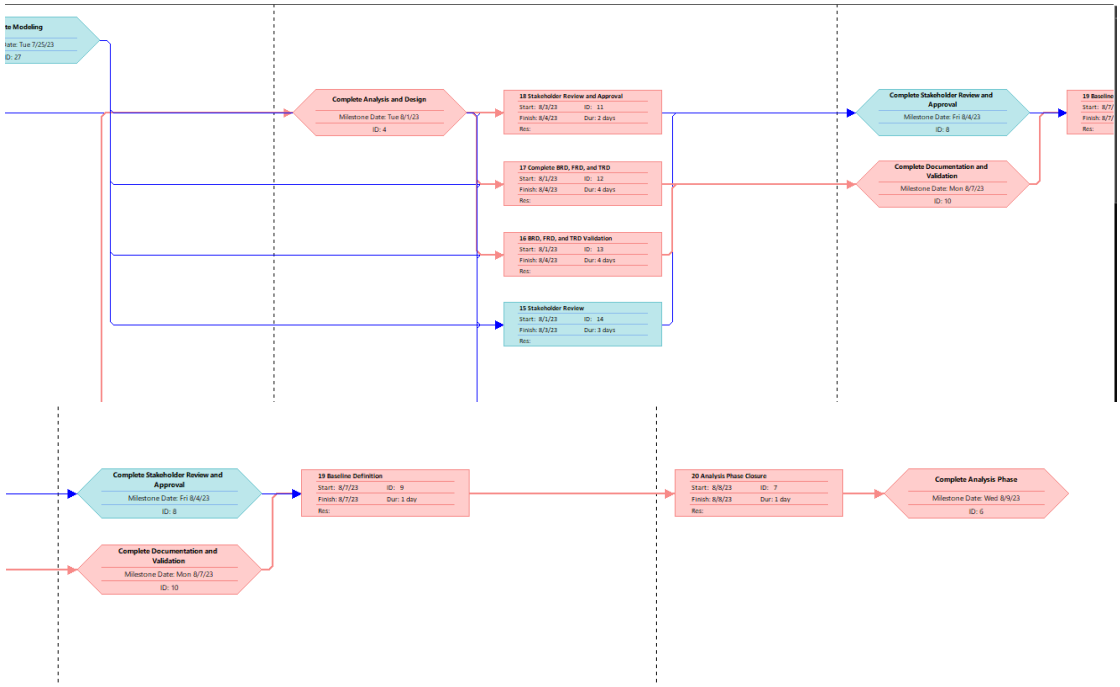
Task 20. Analysis Phase Closure
20.1. Task 20 Duration: 1 day
20.2. Task 20 Purpose: Formalize the closure of the analysis phase and initiate transition into the next phase.
20.3. Expected Input: Baseline documentation and all project documentation
20.4. Expected Output: Analysis phase closure report and handover

PERT Chart WDI Graph with TE, TL, and Critical Path(s)

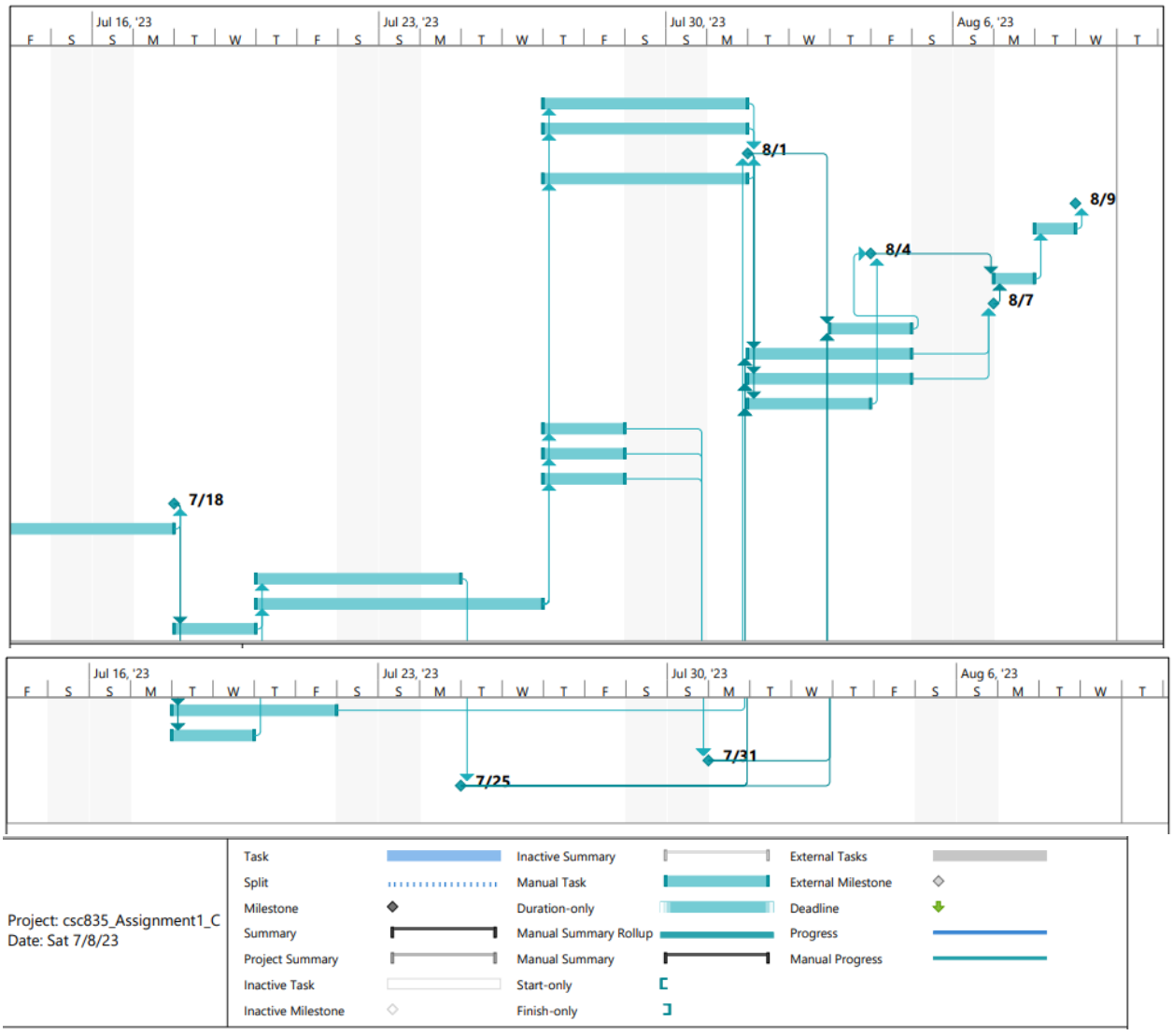


PERT Chart from MS Project

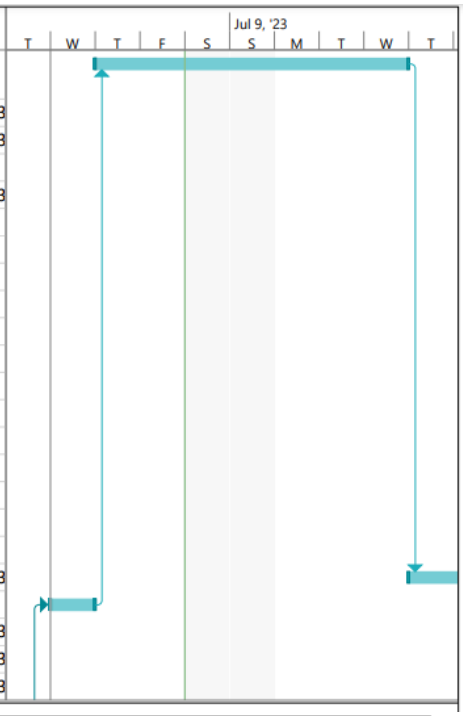



te Modeling
late: Tue 7/25/23
ID: 27
Complete Analysis and Design
Milestone Date: Tue 8/1/23
ID: 4
18 Stakeholder Review and Approval
Start: 8/3/23 ID: 11
Finish: 8/4/23 Dur: 2 days
Res:
17 Complete BRD, FRD, and TRD
Start: 8/1/23 ID: 12
Finish: 8/4/23 Dur: 4 days
Res:
16 BRD, FRD, and TRD Validation
Start: 8/1/23 ID: 13
Finish: 8/4/23 Dur: 4 days
Res:
15 Stakeholder Review
Start: 8/1/23 ID: 14
Finish: 8/3/23 Dur: 3 days
Res:
Complete Stakeholder Review and Approval
Milestone Date: Fri 8/4/23
ID: 8
Complete Documentation and Validation
Milestone Date: Mon 8/7/23
ID: 10
19 Baseline
Start: 8/7/
Finish: 8/7/
Res:
Complete Stakeholder Review and Approval
Milestone Date: Fri 8/4/23
ID: 8
Complete Documentation and Validation
Milestone Date: Mon 8/7/23
ID: 10
19 Baseline Definition
Start: 8/7/23 ID: 9
Finish: 8/7/23 Dur: 1 day
Res:
20 Analysis Phase Closure
Start: 8/8/23 ID: 7
Finish: 8/8/23 Dur: 1 day
Res:
Complete Analysis Phase
Milestone Date: Wed 8/9/23
ID: 6

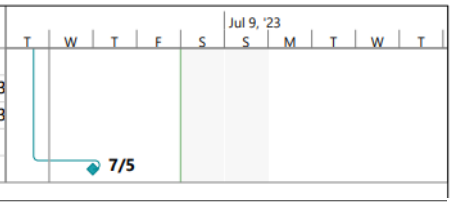
Gannt Chart(s)



ID	Task Mode	Task Name	Duration	Start	Finish
1		2 Business and Functional Requirements Gathering	5 days	Thu 7/6/23	Wed 7/12/23
2		11 Performance Analysis	3 days	Thu 7/27/23	Mon 7/31/23
3		10 Security Analysis	3 days	Thu 7/27/23	Mon 7/31/23
4		Complete Analysis and Design	0 days	Tue 8/1/23	Tue 8/1/23
5		9 Interface Specification	3 days	Thu 7/27/23	Mon 7/31/23
6		Complete Analysis Phase	0 days	Wed 8/9/23	Wed 8/9/23
7		20 Analysis Phase Closure	1 day	Tue 8/8/23	Tue 8/8/23
8		Complete Stakeholder Review and App	0 days	Fri 8/4/23	Fri 8/4/23
9		19 Baseline Definition	1 day	Mon 8/7/23	Mon 8/7/23
10		Complete Documentation and Validatic	0 days	Mon 8/7/23	Mon 8/7/23
11		18 Stakeholder Review and Approval	2 days	Thu 8/3/23	Fri 8/4/23
12		17 Complete BRD, FRD, and TRD	4 days	Tue 8/1/23	Fri 8/4/23
13		16 BRD, FRD, and TRD Validation	4 days	Tue 8/1/23	Fri 8/4/23
14		15 Stakeholder Review	3 days	Tue 8/1/23	Thu 8/3/23
15		14 Resource Planning	2 days	Thu 7/27/23	Fri 7/28/23
16		13 Risk Identification	2 days	Thu 7/27/23	Fri 7/28/23
17		12 Quality Assurance (QA) Planning	2 days	Thu 7/27/23	Fri 7/28/23
18		Complete Requirements Gathering	0 days	Tue 7/18/23	Tue 7/18/23
19		3 Requirements Analysis	3 days	Thu 7/13/23	Mon 7/17/23
20		1 Kick-off Meeting	1 day	Wed 7/5/23	Wed 7/5/23
21		6 Data Modeling	3 days	Thu 7/20/23	Mon 7/24/23
22		8 System Architecture Design	5 days	Thu 7/20/23	Wed 7/26/23
23		7 Feasibility Study	2 days	Tue 7/18/23	Wed 7/19/23



ID	Task Mode	Task Name	Duration	Start	Finish
24		5 UI Design	4 days	Tue 7/18/23	Fri 7/21/23
25		4 Domain Modeling	2 days	Tue 7/18/23	Wed 7/19/23
26		Complete Planning and Identification	0 days	Mon 7/31/23	Mon 7/31/23
27		Complete Modeling	0 days	Tue 7/25/23	Tue 7/25/23
28		Begin Analysis Phase	0 days	Wed 7/5/23	Wed 7/5/23



Project: csc835_Assignment1_C
Date: Sat 7/8/23