1. Task Table + Descriptive Table

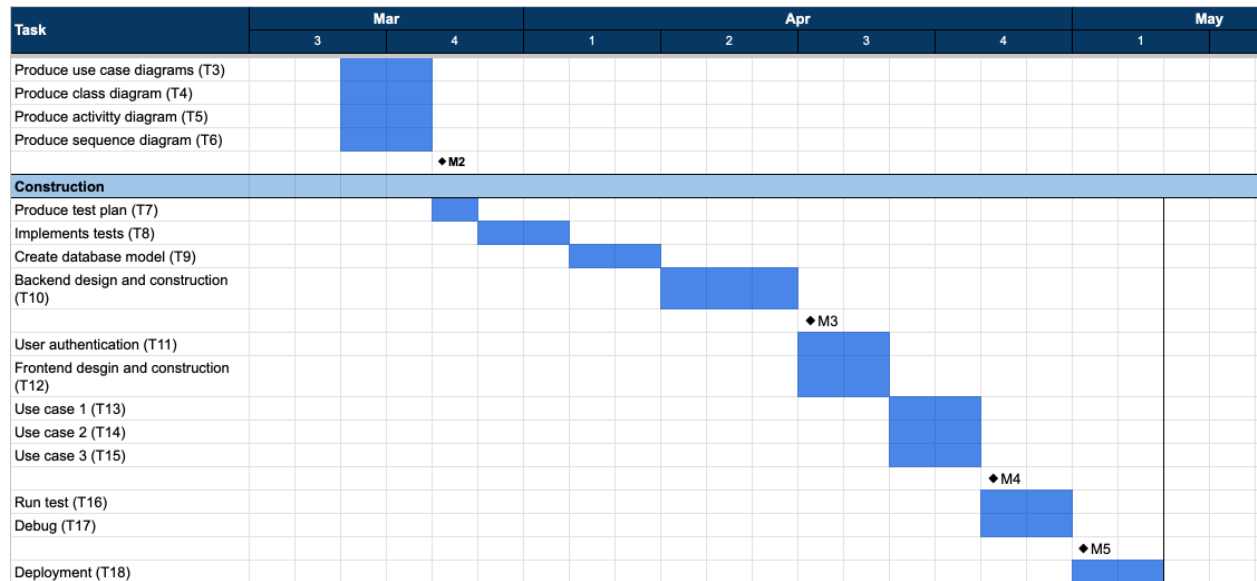| Task	Duration (days)	Dependencies
T1	3	NA
T2	7	NA
T3	3	T2
T4	3	T3, T5, T6 (M2)
T5	3	T3
T6	3	T3
T7	3	T4 (M3)
T8	3	T7
T9	1	T4
T10	4	T9
T11	2	T9, T10
T12	3	T10, T11
T13	2	T8, T12
T14	2	T13
T15	2	T14
T16	3	T12, T13, T14 (M4)
T17	3	T16
T18	3	T17

Task name	Alias
Produce system request form	T1
Produce system requirement specification document	T2

Produce use case diagram	T3
Produce class diagram	T4
Produce activity diagrams for three use cases	T5
Produce sequence diagram for three use cases	T6
Produce test plan	T7
Implement tests	T8
Create Database model	T9
Backend design and construction	T10
User authentication	T11
Front-end design and construction	T12
Use case 1 functionality	T13
Use case 2 functionality	T14
Use case 3 functionlity	T15
Run Test	T16
Debug	T17
Deployment	T18

Milestones	Alias
Finished system request form + SRS	M1
Finished use case diagram + class diagram, and also sequence, activity diagram for all the use cases	M2
Web framework set up (database model + url)	M3
Finished 3 use cases functionality	M4
Implement and run test	M5

2. **Activity Bar Chart**

Task	Mar		Apr				May	
	3	4	1	2	3	4	1	
Produce use case diagrams (T3)								
Produce class diagram (T4)								
Produce activitty diagram (T5)								
Produce sequence diagram (T6)								
		◆ M2						
Construction								
Produce test plan (T7)								
Implements tests (T8)								
Create database model (T9)								
Backend design and construction (T10)								
					◆ M3			
User authentication (T11)								
Frontend desgin and construction (T12)								
Use case 1 (T13)								
Use case 2 (T14)								
Use case 3 (T15)								
						◆ M4		
Run test (T16)								
Debug (T17)								
							◆ M5	
Deployment (T18)								

3. Staff Allocation

Task	Mar		Apr				May	
	3	4	1	2	3	4	1	
Member Name								
Chunting Liu	T1	T3	T9	T10		T13	T18	
Kaile Chu	T1	T4		T10		T14	T18	
Ziyad Fawzy	T1	T5	T8		T12	T15	T16	T18
Ziyad Hassan	T2	T6	T7		T11		T17	T18

4. Task Network

Critical path:
T1-T2-T3-T6-T4-T9-T11-T12-T13-T14.
31 days