

Task ID	Task Description	Assigned to	Status of Completion	Due
1.1	Define topic & objectives	All	100%	9/26/2025
1.2	Define roles	All	100%	10/26/2025
1.3	Confirm tools & environment	All	100%	
2.1	Confirm data source license & citation	All	100%	10/30/2025
2.2	Download dataset and organize	All	100%	10/30/2025
2.3	Review data briefly	All	100%	10/30/2025
3.1	Remove duplicates	Jinyu & Yichen	100%	11/2/2025
3.2	Standardize data types	Jinyu & Yichen	100%	11/2/2025
3.3	Text normalization	Jinyu & Yichen	100%	11/2/2025
3.4	Generate cleaned dataset	Jinyu & Yichen	100%	11/2/2025
4.1	Draw ER diagram	Jinyu & Yichen	100%	11/8/2025
4.2	Design schema	Jinyu & Yichen	100%	11/8/2025
4.3	Constraint & index design	Jinyu & Yichen	100%	11/8/2025
5.1	Create database	Jinyu	100%	11/14/2025
5.2	Load data into SQL schema	Jinyu	100%	11/14/2025
5.3	Validate referential integrity	Jinyu	100%	11/14/2025
6.1	Define 8 analysis questions	Jinyu & Yichen	100%	11/21/2025
6.2	Implement queries #1–4	Jinyu & Yichen	100%	11/22/2025
6.3	Implement queries #5–8	Jinyu & Yichen	100%	11/22/2025
6.4	Check performance	Jinyu & Yichen	100%	11/22/2025
7.1	Init backend data pipelines	Richard	100%	11/25/2025
7.2	DB connection	Richard	100%	11/25/2025
7.3	Build endpoints for all SQL queries	Richard	100%	11/25/2025
7.4	API unit & integration tests	Richard	100%	11/25/2025

8.1 Front-end and UI design	Richard	100%	11/28/2025
8.2 Set up UI style & components	Richard	100%	11/28/2025
8.3 Build Overview dashboard	Richard	100%	11/28/2025
8.4 API integration & error handling	Richard	100%	11/28/2025
9.1 Define chatbot capabilities	Richard	100%	11/30/2025
9.2 Intent routing & backend logic	Richard	100%	11/30/2025
9.3 Front-end chat UI	Richard	100%	11/30/2025
10.1 Design PPT	Yichen	80%	12/5/2025
10.2 Write report	Yichen	80%	12/5/2025
10.2 Final Presentation	All		12/8/2025