TASK NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	TIME REMAINING	PCT OF TASK COMPLETE	Dependencies	Critical? [1]
1	**Project Definition and Planning**								
1.1	GANTT Chart	Group	2/27/25	3/3/25	6	Date Passed	100%	-	No
1.2	Propose Design Document	Group	3/2/25	3/5/25	3	Date Passed	100%	1.1	Yes
1.3	Initial Design Document	Group	3/6/25	3/13/25	7	Date Passed	100%	1.2	Yes
1.4	Plan Software & Hardware Integration	Group	3/6/25	3/13/25	7	Date Passed	100%	1.2	Yes
2	**Hardware**								
2.1	Research & Purchase Hardware(Email Ashley)	Delara	3/12/25	3/26/25	14	Date Passed	100%	-	Yes
2.2	Connect & Configure Hardware	Group	4/1/25	4/9/25	8	Date Passed	100%	2.1	Yes
3	**Software**								
3.1	Front End HTML/CSS	Group	3/13/25	4/2/25	19	Date Passed	100%	-	Yes
3.2	Relational Database Schema	Nick	3/2/25	3/5/25	3	Date Passed	100%	-	No
3.2	Research SQL Flavors	Group	3/2/25	3/5/25	3	Date Passed	100%	-	No
3.3	Database & Back End	Group	3/27/25	4/9/25	12	Date Passed	90%	1.3 - 1.4	Yes
4	**Integration**								
4.1	Connect Front End & Back End	Group	3/24/25	4/6/25	12	Date Passed	80%	3.3	Yes
4.2	Connect Software & Hardware	Group	4/2/25	4/13/25	11	Date Passed	0%	-	No
5	**Testing & Finalization**								
5.1	Test System in Makerspace	Group	4/16/25	4/27/25	11	Date Passed	0%	4.1 - 4.2	Yes
5.2	Make Permanent Installment of the System	Group	4/25/25	5/4/25	9	1	0%	-	No
5.3	Document System for Users	Group	4/7/25	5/4/25	27	1	0%	-	No
6	**Preparing for RAPs**								
6.1	Prepare RAPS Presentation	Group	4/5/25	4/11/25	6	Date Passed	100%	5.1	Yes
7	**Milestones**								
7.1	RAPS	Group	4/11/25	4/11/25	0	Date Passed	100%	-	-
7.3	Demo Video and Draft Due	-	4/21/25	4/21/25	0	Date Passed	90%	-	-
7.4	Finals Week(All Final Material Due)	-	4/30/25	5/6/25	6	4	0%	-	-

Notes:

Critical Path:

1.2 → 1.3 → 2.1 → 2.2 → 3.3 → 4.1 → 5.1 → 6.1

Highlighted in red above. Delays here will push the MVP deadline.

Dependencies:

Hardware setup (2.1) must finish before software integration (3.3).

Testing (5.1) depends on both frontend/backend (4.1) and hardware (4.2).

Gantt chart header sections: PLANNING & SUBSYSTEMS (WEEK 1–WEEK 4), INTEGRATION (WEEK 5–WEEK 7), FINALIZATION & RAPs (WEEK 8–WEEK 9). Sub-columns: W 2/26, S 3/2, W 3/5, S 3/9, W 3/12, S 3/16, W 3/19, S 3/23, W 3/26, S 3/30, W 4/2, S 4/6, W 4/9, S 4/13, W 4/16, S 4/20, W 4/23, S 4/27, W 4/30, S 5/4. Annotations: SPRING BREAK, RAPS, FINALS WEEK.

[1] Hardware setup (Raspberry Pi + scanner).

Backend API for ID validation.

Database schema design.

Check-out form UI.
(Delays here directly impact April 21 demo deadline.)