

Task Number	Task Title	Task Owner	Start Date	Due Date	Duration	Time Remaining	PCT of Task Complete	Dependencies	Critical? [1]	Planning & Subsystems								Integration						Finalization & RAPs									
										Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 9					
										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				
1	Project Definition and Planning									SPRING BREAK								RAPS						FINALS WEEK									
1.1	GANTT Chart	Group	2/27/25	3/3/25	6	0	100%	-	No																								
1.2	Propose Design Document	Group	3/2/25	3/5/25	3	2	50%	1.1	Yes																								
1.3	Initial Design Document	Group	3/6/25	3/13/25	7	10	0%	1.2	Yes																								
1.4	Plan Software & Hardware Integration	Group	3/6/25	3/13/25	7	10	0%	1.2	Yes																								
2	Hardware																																
2.1	Research & Purchase Hardware(Email Ashley)	Delara	2/27/25	3/6/25	9	0	10%	-	Yes																								
2.2	Connect & Configure Hardware	Group	3/12/25	3/16/25	4	13	0%	2.1	Yes																								
3	Software																																
3.1	Front End HTML/CSS	Group	3/5/25	3/26/25	21	23	0%	-	No																								
3.2	Relational Database Schema	Nick	3/2/25	3/5/25	3	2	10%	-	No																								
3.2	Research SQL Flavors	Group	3/2/25	3/5/25	3	2	0%	-	No																								
3.3	Database & Back End	Group	3/9/25	3/26/25	17	23	0%	1.3 - 1.4	Yes																								
4	Integration																																
4.1	Connect Front End & Back End	Group	3/24/25	4/6/25	12	34	0%	3.3	Yes																								
4.2	Connect Software & Hardware	Group	4/2/25	4/13/25	11	41	0%	-	No																								
5	Testing & Finalization																																
5.1	Test System in Makerspace	Group	4/16/25	4/27/25	11	55	0%	4.1 - 4.2	Yes																								
5.2	Make Permanent Installment of the System	Group	4/25/25	5/4/25	9	62	0%	-	No																								
5.3	Document System for Users	Group	4/7/25	5/4/25	27	62	0%	-	No																								
6	Preparing for RAPs																																
6.1	Prepare RAPS Presentation	Group	4/5/25	4/11/25	6	39	0%	5.1	Yes																								
7	Milestones																																
7.1	RAPS	Group	4/11/25	4/11/25	0	39	0%	-	-																								
7.3	Demo Video and Draft Due	-	4/21/25	4/21/25	0	49	0%	-	-																								
7.4	Finals Week(All Final Material Due)	-	4/30/25	5/6/25	6	64	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).																																	

[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.)