Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	19 February 2026
Team ID	LTVIP2026TMIDS45121
Project Name	shopsmart: your digital grocery store experience
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	**Functional Requirement (Epic)**	**User Story No**	**User Story / Task**	**Story Points**	**Priority**
Sprint-1	Authentication	US-1	User can register with email & password	3	High
Sprint-1	Authentication	US-2	User can login securely	2	High
Sprint-1	Admin	US-3	Admin login with predefined credentials	2	High
Sprint-1	UI	US-4	Create homepage & navigation	3	Medium
Sprint-1	UI	US-5	Display product list	5	High
Sprint-1 Total				**15**	
Sprint-2	Functional Requirement	User Story No	User Story	**Story Points**	Priority
Sprint-2	Product	US-6	Admin add product	5	High
Sprint-2	Product	US-7	Admin edit/delete product	5	High
Sprint-2	Product	US-8	Product details page	4	Medium

Sprint-2	Search	US-9	Product search/filter	6	Medium
Sprint-2 Total				**20**	
Sprint-3	Functional Requirement	User Story No	User Story	**Story Points**	Priority
Sprint-3	Cart	US-10	Add to cart	5	High
Sprint-3	Cart	US-11	Update/remove cart items	5	High
Sprint-3	Order	US-12	Checkout process	6	High
Sprint-3	Order	US-13	Order placement	4	High
Sprint-3 Total				**20**	
Sprint-4	Functional Requirement	User Story No	User Story	**Story Points**	Priority
Sprint-4	Orders	US-14	Order history	5	Medium
Sprint-4	Orders	US-15	Admin view all orders	5	High
Sprint-4	Payment	US-16	Payment integration	6	Medium
Sprint-4	Email	US-17	Email confirmation	4	Medium
Sprint-4 Total				**20**	

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Start	End (Planned)	Completed	Actual
Sprint-1	20	7 days	Day 1	Day 7	20	Day 7
Sprint-2	20	7 days	Day 8	Day 14	18	Day 14
Sprint-3	20	7 days	Day 15	Day 21	16	Day 21
Sprint-4	20	7 days	Day 22	Day 28	14	Day 28

Velocity:

Total completed story points = 20 + 18 + 16 + 14 = **68**

Number of sprints = 4

Average Velocity = 68 / 4 = 17 story points per sprint

If sprint duration = 7 days:

Velocity per day = 17 / 7 ≈ 2.4 points/day

Burndown Chart: