

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

<b>Date</b>	18 February 2026
<b>Team ID</b>	LTVIP2026TMIDS83223
<b>Project Name</b>	Shopez-one stop shop for Online Products
<b>Maximum Marks</b>	5 Marks

#### Product Backlog & Sprint Planning (Shopez)

Sprint	Functional Requirement (Epic)	User Story No	User Story / Task	Story Points	Priority
Sprint-1	Authentication	US-1	User can register with name, email & password	3	High
Sprint-1	Authentication	US-2	User can login securely using JWT	2	High
Sprint-1	Admin	US-3	Admin login with role-based access	2	High
Sprint-1	UI	US-4	Create homepage with category navigation	3	Medium
Sprint-1	UI	US-5	Display products by category (Fashion, Electronics, Sports, etc.)	5	High
<b>Sprint-1 Total</b>				<b>15</b>	

Sprint	Functional Requirement	User Story No	User Story	Story Points	Priority
Sprint-2	Product Management	US-6	Admin can add new product	5	High
Sprint-2	Product Management	US-7	Admin can edit/delete product	5	High
Sprint-2	Product	US-8	View product details page	4	Medium
Sprint-2	Search & Filter	US-9	Search products & filter by category	6	Medium
<b>Sprint-2 Total</b>				<b>20</b>	

Sprint	Functional Requirement	User Story No	User Story	Story Points	Priority
Sprint-3	Cart	US-10	Add product to cart	5	High
Sprint-3	Cart	US-11	Update/remove cart items	5	High
Sprint-3	Order	US-12	Checkout process with address details	6	High
Sprint-3	Order	US-13	Order placement & save in database	4	High
<b>Sprint-3 Total</b>				<b>20</b>	

### Sprint Tracker (Velocity Table)

Sprint	Total Story Points	Duration	Start	End (Planned)	Completed Story Points	Actual Completion
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 Calculation

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 =  $17 / 7 \approx 2.4$  story points/day

**Burndown Chart :**

