

# Phase IV - Project Planning and Scheduling

## Project planning

### Product Backlog and Sprint Schedule for Medley Pharma

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming it.	2	High
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email after registration.	1	High
Sprint-2	Registration	USN-3	As a user, I can register for the application using Facebook.	2	Low
Sprint-2	Registration	USN-4	As a user, I can register for the application using Gmail.	2	Medium
Sprint-1	Login	USN-5	As a user, I can log in using my email and password.	1	High

Sprint-2	Form Creation	USN-6	As a user, I can create a new form with text, dropdown, and checkbox fields.	3	High
Sprint-2	Form Customization	USN-7	As a user, I can customize the form layout, colors, and fonts.	2	Medium
Sprint-3	Form Validation & Security	USN-8	As a user, I can enable CAPTCHA and set submission limits to protect form data.	2	High
Sprint-3	Form Integration	USN-9	As a user, I can connect forms to third-party apps (e.g., Google Sheets, Mailchimp).	3	Medium
Sprint-4	Form Analytics	USN-10	As a user, I can view charts and graphs of form responses.	3	High
Sprint-4	Form Export	USN-11	As a user, I can export form data in CSV, PDF, or Excel formats.	2	High
Sprint-4	Notification	USN-12	As a user, I receive a notification or email after each form submission.	1	Medium

### Project Tracker, Velocity & Burndown Chart

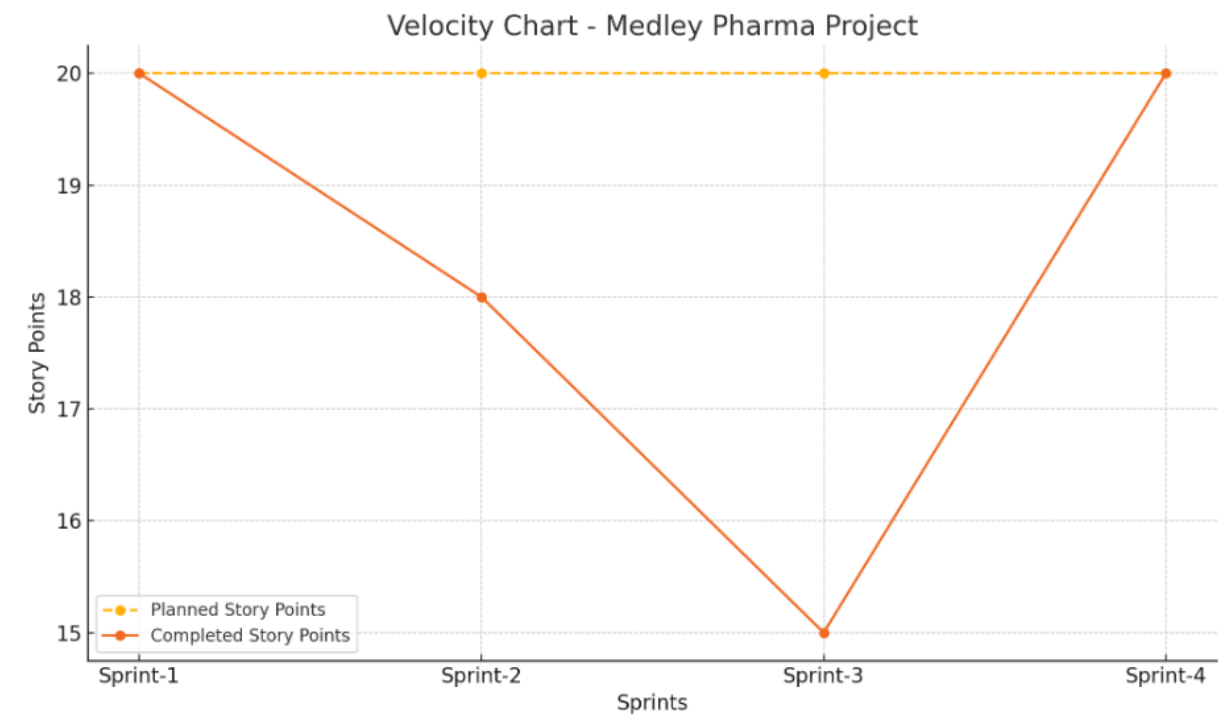
<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	14 Mar 2025	19 Mar 2025	20	19 Mar 2025
Sprint-2	20	6 Days	20 Mar 2025	25 Mar 2025	18	26 Mar 2025
Sprint-3	20	6 Days	28 Mar 2025	31 Mar 2025	15	01 Apr 2025
Sprint-4	20	6 Days	01 Apr 2025	06 Apr 2025	20	06 Apr 2025

**Velocity Chart (Summary)**

<b>Sprint</b>	<b>Story Points Completed</b>
Sprint-1	20
Sprint-2	18
Sprint-3	15

Sprint-4	20
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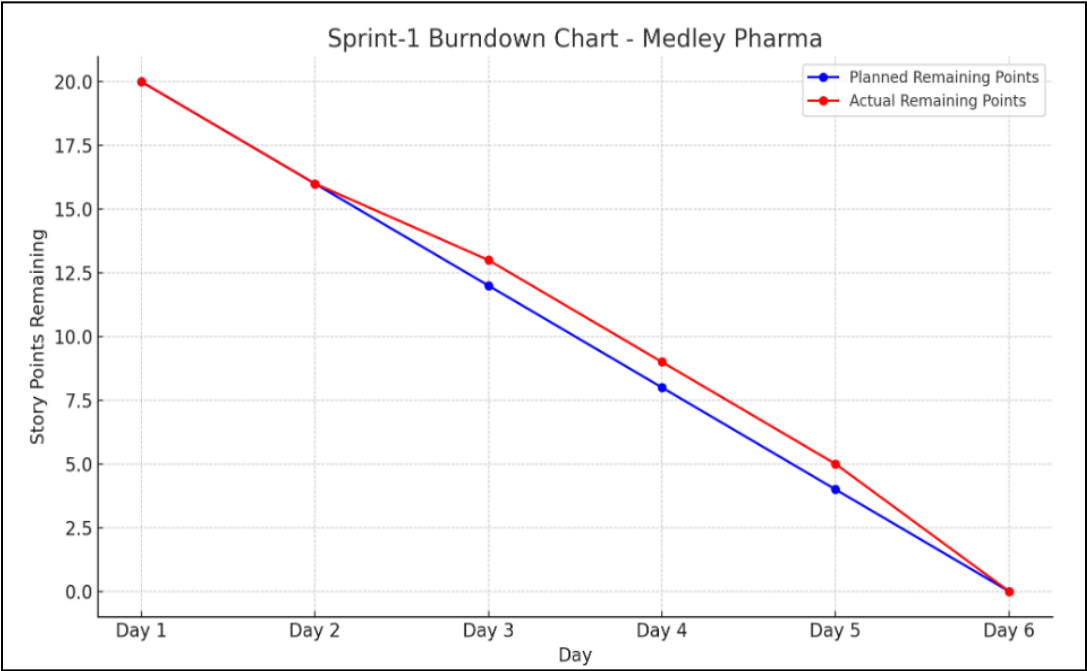
**Average Velocity** =  $(20 + 18 + 15 + 20) / 4 = 18.25$  Story Points per Sprint.



**Burndown Chart Data**

Day	Planned Remaining Points	Actual Remaining Points
Day 1	20	20
Day 2	16	16
Day 3	12	13

<b>Day 4</b>	8	9
<b>Day 5</b>	4	5
<b>Day 6</b>	0	0



**Agile Sprint Breakdown for Medley Pharma**

Sprint 1 (5 Days)

**Epic: User Registration and Form Builder UI**

Task	Story	Story Points	Complexity
Design registration page (email/password)	Story 1	2	Easy

Implement user registration logic	Story 2	3	Moderate
Develop basic form builder UI (drag & drop)	Story 3	5	Difficult

**Total Story Points (Sprint 1): 10**

Sprint 2 (5 Days)

**Epic: Form Input Features & Security**

Task	Story	Story Points	Complexity
Add support for dropdowns, checkboxes, file uploads	Story 4	3	Moderate
Implement field validation (text, number, required, etc.)	Story 5	2	Easy
Integrate CAPTCHA & SSL encryption	Story 6	5	Difficult
Set submission limits and form access control	Story 7	2	Easy

**Total Story Points (Sprint 2): 12**

**Velocity Calculation**

Total Story Points = 10 (Sprint 1) + 12 (Sprint 2) = 22

No. of Sprints = 2

Velocity = Total Story Points / Number of Sprints

Velocity = 22 / 2 = 11 Story Points per Sprint

**Team's velocity is 11 Story Points per Sprint**