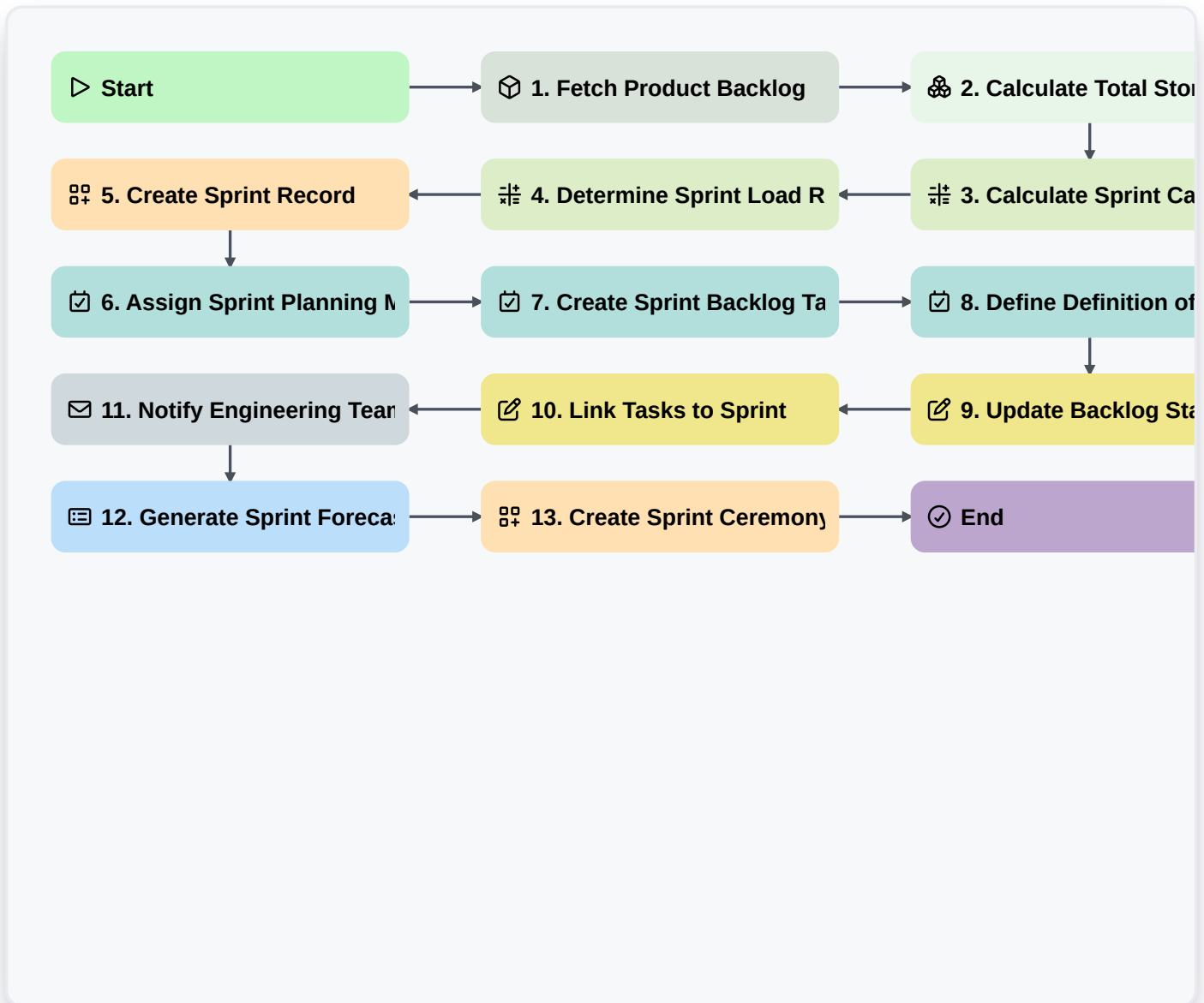


Software Development Sprint Planning Process



Start

Start of the Workflow/Process.

1. Fetch Product Backlog

Retrieve all user stories and bugs from the Backlog Data Model that are marked as 'Ready for Sprint'.

2. Calculate Total Story Points

Sum the 'Estimate' property of all selected backlog entries to determine total workload.

3. Calculate Sprint Capacity

Calculate the available development hours by subtracting meeting time from total working hours.

4. Determine Sprint Load Ratio

Divide Total Story Points by Sprint Capacity to check if the sprint is over-capacity.

5. Create Sprint Record

Create a new entry in the 'Sprints' Data Model with the calculated start and end dates.

6. Assign Sprint Planning Meeting

Create a task for the Product Owner and Scrum Master to conduct the official planning session.



📌 **7. Create Sprint Backlog Tasks**

For every selected backlog item, create a corresponding 'Development Task' assigned to the team.

📌 **8. Define Definition of Done Checklist**

Attach a standard 'Definition of Done' checklist to all newly created development tasks.

✍️ **9. Update Backlog Status**

Update the status of the retrieved backlog entries from 'Ready for Sprint' to 'In Sprint'.

✍️ **10. Link Tasks to Sprint**

Update all selected backlog entries to associate them with the newly created Sprint ID.

✉️ **11. Notify Engineering Team**

Send an email to the development group with the summary of the new Sprint goals and scope.

📊 **12. Generate Sprint Forecast Report**

Create a report visualizing the total points vs. capacity for the upcoming sprint.

📅 **13. Create Sprint Ceremony Calendar Event**

Create a calendar entry for the Daily Standup, Sprint Review, and Retrospective.

🏁 **End**

End of the Workflow/Process.