

Sprint Plan: Sprint 2

Sprint Phase: Research & Initial Database Implementation

Sprint Duration: February 09, 2026 to February 20, 2026

1. Sprint Goals

The primary objectives for this sprint are to evaluate the capabilities and costs of various text-to-animation and open-source image generation models, while simultaneously researching and setting up the initial database configuration and sourcing K-12 level images.

2. Team Alignment & Capacity

Tasks are distributed to ensure equal ownership and overall accountability. The sprint velocity is planned for 26 story points across 4 main User Stories.

- **Resource Allocation:** The workload is divided equally among all six team members (Hitha Shamasundar, Hasan Haider, Monisha Krishnamurthy, Satyam Chaurasia, Syed Khubaib Shaheen, and Vishnu Kumar Adhilakshmi Kalidas) to ensure equitable ownership and overall accountability.
- **Collaboration Strategy:** To maintain momentum, the team will utilize regular sprint planning meetings via Zoom and maintain strong, smooth communication to avoid the slight delays in syncing small updates experienced previously.
- **Standardization:** A key operational goal for this sprint is to resolve previous documentation formatting inconsistencies by maintaining a unified template and remaining strictly aligned throughout the reporting period.

3. Sprint Backlog (User Stories & Tasks)

User Story #5: Text to Animation Conversion Capabilities of different models (5 pts)

- Evaluate capabilities of Adobe Firefly for animation.
+1
- Conduct a comprehensive cost analysis for animation models.
- Research other models for animation (e.g., Animaker AI, Runway, Neural Frames).
+1

User Story #6: Download Open Source Versions of models for Image & Video generation (8 pts)

- Download and research GPT OSS 20b.
- Download and research Mochi 1.
- Download and research Stable Diffusion 3.5.

User Story #33: Research on Database (8 pts)

- Look for plausible ways to create a database for the given task.
- Research MySQL and RDS capabilities for high-volume storage and retrieval.

- Set up the initial database configuration.

User Story #34: Source of Images for K-12 Level (5 pts)

- Find primary sources for the images.
- Find additional sources for the images.

Storyless Tasks (Technical Maintenance)

- Ceatre Build.py file.
- Update Build.py file for performance changes.

4. Definition of Done (Expected Deliverables)

- Completion of all 26 story points and closure of all associated tasks on the Taiga board.
- Delivery of consolidated reports of weekly findings and comparisons.
- Initial database phase is version-controlled and committed to GitHub.
- Resolution of documentation formatting inconsistencies from the previous sprint.