

Sprint 1 Plan

Product Name: ChatCut

Team Name: ChatCut Development Team

Sprint Completion Date: November 3, 2025

Revision Number: 1.0

Revision Date: October 20, 2025

Goal

We will establish the Adobe Premiere Pro scripting environment and create the core UI components that allow users to select clip sections and enter natural-language prompts for editing. This sprint lays the groundwork for AI-driven editing features in later sprints.

Task Listing (Organized by User Story)

User Story 1 (US 1.1)

“As a user, we want to select start and end times on the timeline so that the system knows which portion of the clip we want to modify.”

Tasks

- Research Premiere API methods (GetCurrentTimeline, GetItemListInTrack) – 4 hours
- Implement timeline selection logic to capture start and end times – 5 hours
- Validate that selected region metadata is stored and accessible – 3 hours
- Integrate selection confirmation into UI panel – 2 hours

Total for User Story 1: 14 hours

User Story 2 (US 1.2)

“As a user, we want a floating prompt panel inside Premiere so that we can type natural-language effect requests.”

Tasks

- Prototype basic floating panel using Adobe UXP/HTML framework – 4 hours
- Implement text input field and submit button – 4 hours
- Connect panel to Python bridge to log prompt requests – 4 hours
- Test panel responsiveness and layout in Premiere workspace – 3 hours
- Add basic UI feedback for successful or invalid inputs – 2 hours

Total for User Story 2: 17 hours

Infrastructure and Spikes

Spikes

- Research Premiere API methods for timeline access – addressed under US 1.1.
- Prototype AI window manager – addressed under US 1.2.

Infrastructure Tasks

- Configure Premiere script environment with Python permissions – 4 hours
- Test connection between Premiere console and external Python scripts – 4 hours
- Verify basic read/write data exchange between Premiere and Python – 2 hours
- Document environment setup and installation steps – 2 hours

Total for Infrastructure and Spikes: 12 hours

Sprint 1 Total Estimated Effort: 43 hours

Team Roles

Team Member	Roles for Sprint 1
Dessy Bonev	Lead Developer / UI Engineer
Neel Billimoria	Backend Developer / DevOps
Hari Raghavan	Product Owner / Developer
Akhil Datla	QA Tester / Automation Support
Levi Laden	Documentation Lead / Support Developer
Avi Das	UX Designer / Research Support

Initial Task Assignment

Team Member	User Story & Initial Task
Dessy Bonev	US 1.2 – Prototype floating prompt panel UI
Neel Billimoria	Infrastructure – Configure Premiere-Python environment and test permissions
Hari Raghavan	US 1.1 – Implement timeline selection logic and metadata capture
Akhil Datla	Infrastructure – Perform QA testing on Premiere-Python connection
Levi Laden	Infrastructure – Document setup and installation process
Avi Das	US 1.1 – Assist with UI integration and usability testing

Initial Burnup Chart

The initial burnup chart for **ChatCut Sprint 1 – Foundations** will be maintained in the lab.

- **X-axis:** Days in Sprint (Oct 20 – Nov 3)

- **Y-axis:** Cumulative hours completed (out of 43)
We will update the chart at each Scrum to reflect progress.
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Initial Scrum Board

A physical Scrum board labeled “**ChatCut – Sprint 1**” is located in the lab.

Columns:

- User Stories
- Tasks Not Started
- Tasks In Progress
- Tasks Completed

Each user story and its tasks are represented by color-coded index cards organized by row.

Scrum Times

We will hold Scrum meetings three times per week:

- **Monday 10:00 AM – 10:15 AM**
 - **Wednesday 10:00 AM – 10:15 AM**
 - **Thursday 3:30 PM – 3:45 PM (*TA/tutor visit meeting*)**
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End of Sprint 1 Plan – ChatCut