Project Title: Edututor AI: Personalized Learning with Generative AI and LMS Integration

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Agile Structure

Sprint

A Sprint is a fixed-duration timebox (e.g., 5 days) in which the Edututor AI development team delivers a set of working features.

Epic

An Epic is a major functionality or phase of the project, such as **"User Personalization Module"** or **"LMS Integration"**, that spans multiple Sprints.

Story

A Story is a small, manageable piece of work that is part of an Epic — for example, **"Create Student Profile UI"** or **"Generate Quiz from Content using GPT"**.

Story Point

Story Points represent effort/complexity (typically based on Fibonacci series):

- 1 – Very Easy (e.g., loading static data)
- 2 – Easy (e.g., simple API call)
- 3 – Moderate (e.g., UI with state management)
- 5 – Complex (e.g., AI model integration)

Sprint Breakdown

Sprint 1 (5 Days)

Epic: Data Preparation & Preprocessing for Personalization

- **Collect Student Interaction Data** – Story Point: 2
- **Load LMS Course Content** – Story Point: 1
- **Clean and Structure User Data** – Story Point: 3
- **Process Categorical User Info (e.g., learning preferences)** – Story Point: 2

Total Story Points Sprint 1: 8

Sprint 2 (5 Days)

Epic: AI Model Development & Deployment

- **Build Personalization Model (e.g., Learning Path Recommender)** – Story Point: 5
- **Test and Evaluate Model on Sample Data** – Story Point: 3
- **Develop Frontend HTML Pages for Personalized Dashboard** – Story Point: 3
- **Deploy using Flask (LMS API integrated)** – Story Point: 5

Total Story Points Sprint 2: 16

Velocity Calculation

- **Total Story Points Completed** = 8 (Sprint 1) + 16 (Sprint 2) = **24**
- **Number of Sprints** = 2
- **Velocity** = 24 / 2 = **12 Story Points per Sprint**

✅ **Team's Velocity**: **12 Story Points per Sprint**