**Planning Logic**

**Sprint 1: (5 Days)**

Epic: Backend & Database Setup

User Management & Setup

* User Authentication API – 3
* MongoDB Schema Design – 3

Movie & Show Data Management

* Movie Listing API – 2
* Showtimes & Theater Layout API – 2

Total Story Points: 10

**Sprint 2: (5 Days)**

Epic: Booking Flow & Frontend Integration

Frontend Integration

* Movie Page UI + Show Selection – 2
* Seat Selection Page – 3
* Booking Confirmation Page – 2

Booking System & Real-Time Availability

* Seat Booking API – 5
* Real-time Seat Update Logic – 3

Total Story Points: 15

**Sprint 3: (5 Days)**

Epic: Payments & Deployment

Payment Integration

* Payment Gateway Integration – 5
* Booking Confirmation Email – 2

Deployment & Testing

* Full Stack Integration Testing – 3
* Deployment (e.g., Render, Vercel, Railway) – 3

Total Story Points: 13

**Velocity Calculation**

* **Total Story Points** = 10 + 15 + 13 = **38**
* **Number of Sprints** = 3
* **Velocity** = 38 / 3 ≈ **12.7 Story Points/Sprint**