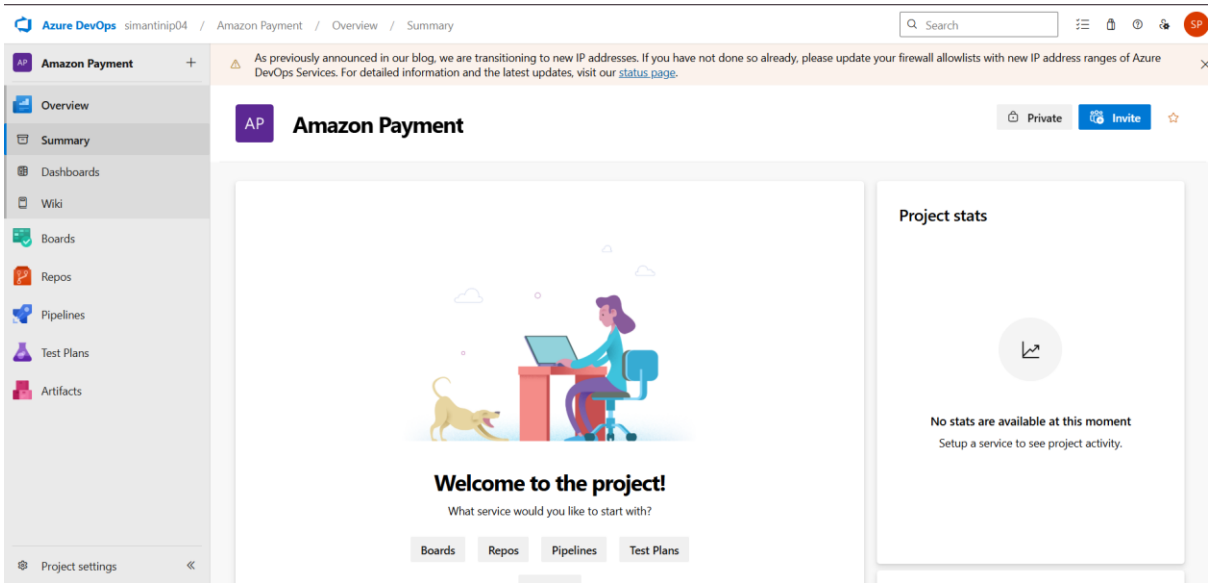
AMAZON Payment System

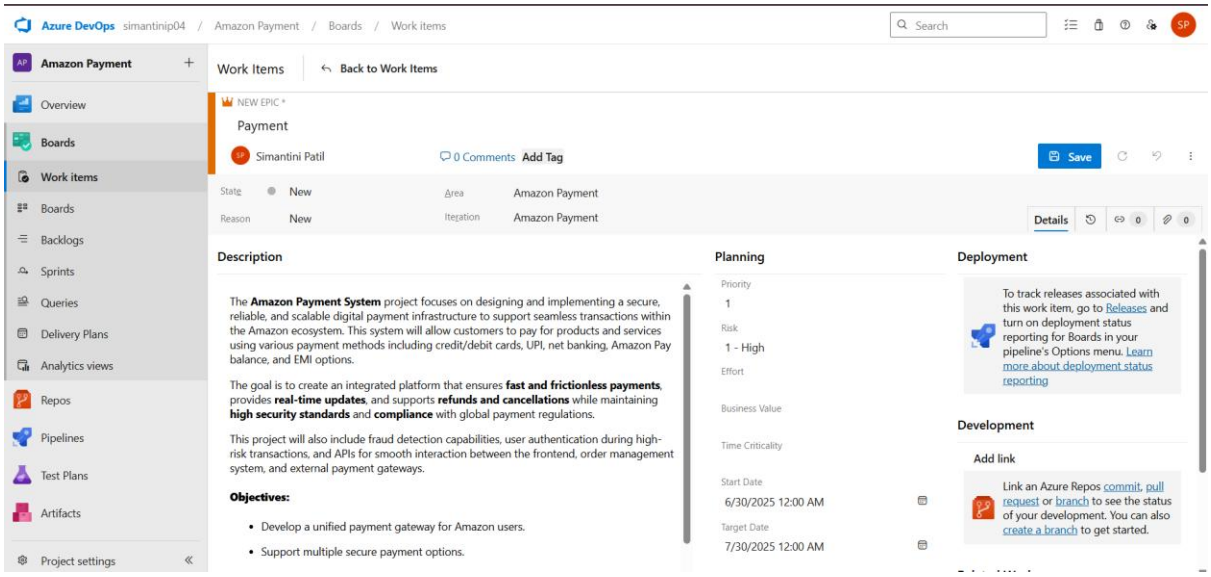
The **Amazon Payment System** is a critical module designed to handle secure, scalable, and seamless payment processing within the Amazon e-commerce ecosystem. This system supports a wide range of payment options including UPI, credit/debit cards, net banking, Amazon Pay wallet, and EMI plans. It also incorporates secure authorization, refund mechanisms, fraud prevention, and wallet management.

To build this system efficiently, I followed a structured Agile hierarchy: **Epic → Features → User Stories → Tasks**, ensuring each business requirement was broken down into manageable, trackable components.

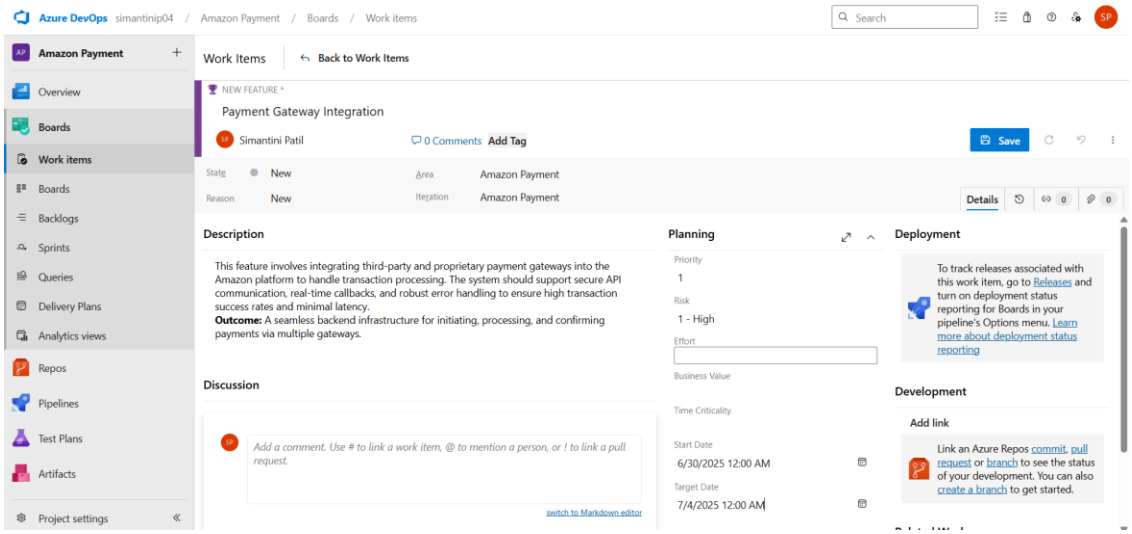
Created a Project named "Amazon Payment":



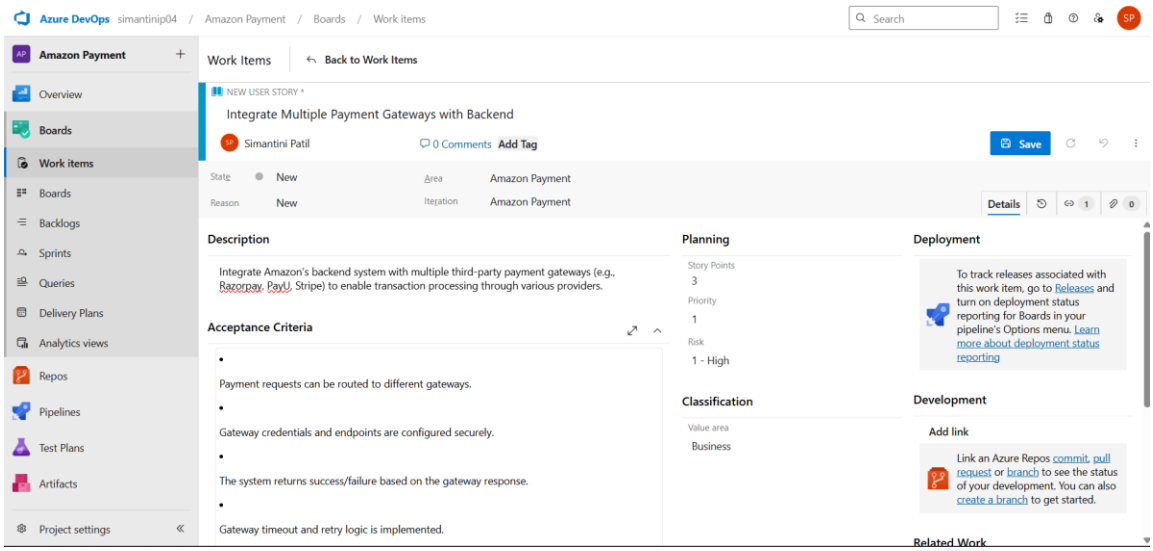
Created an Epic named "Payment":



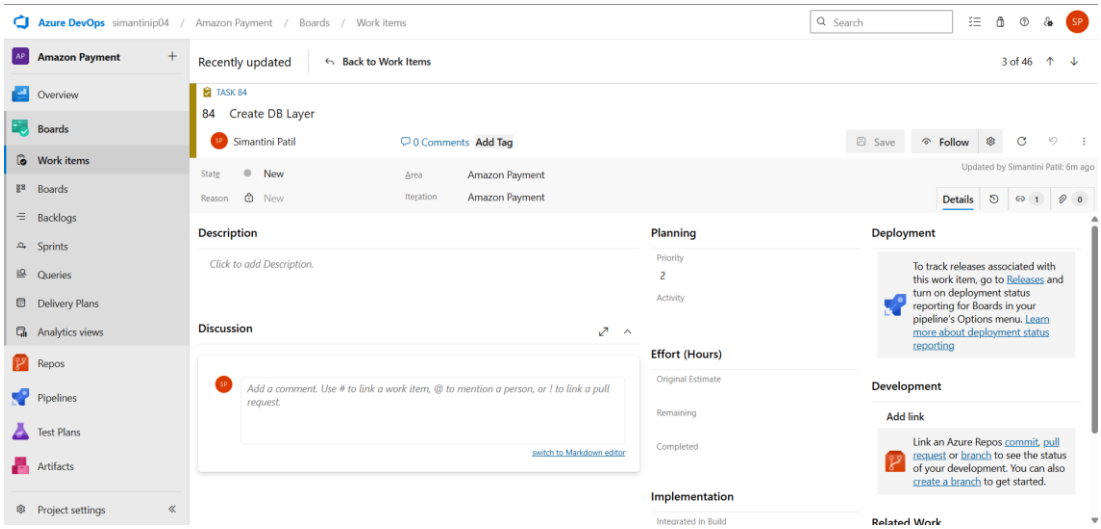
Created a Feature named “Payment Gateway Integration”:



Created an User Story named “Integrate Multiple Payment Gateways with Backend”:



Created a Task:



- 📘 Epic: Amazon Payment System
  - 📁 Feature 1: Payment Gateway Integration
    - 📄 User Story 1: Integrate Multiple Payment Gateways with Backend
      - 🧩 Task: Create API Layer for Gateway Integration
      - 🧩 Task: Create DB Layer for Storing Gateway Credentials and Responses
      - 🧩 Task: Create Monitoring Logic for Gateway Failures
    - 📄 User Story 2: Log and Monitor Gateway Transaction Responses
      - 🧩 Task: Create API Layer to Capture and Format Gateway Logs
      - 🧩 Task: Create DB Layer to Store Gateway Logs
      - 🧩 Task: Create UI Layer to View and Filter Logs
  - 📁 Feature 2: Multiple Payment Methods Support
    - 📄 User Story 3: Enable UPI, Card, and Net Banking Payment Options
      - 🧩 Task: Create UI Layer for Payment Method Selection
      - 🧩 Task: Create API Layer to Handle Payment Initiation
      - 🧩 Task: Create DB Layer for Payment Method Metadata
    - 📄 User Story 4: Implement Saved Payment Method Functionality
      - 🧩 Task: Create UI Layer for Managing Saved Methods
      - 🧩 Task: Create API Layer for Saving/Finding Methods
      - 🧩 Task: Create DB Layer for Secure Storage (Tokenized)
  - 📁 Feature 3: Payment Authorization and Verification
    - 📄 User Story 5: OTP Verification for High-Value Transactions
      - 🧩 Task: Create UI Layer for OTP Entry
      - 🧩 Task: Create API Layer for OTP Generation & Verification
      - 🧩 Task: Create DB Layer for OTP Tracking
    - 📄 User Story 6: Implement 3D Secure for Card Payments
      - 🧩 Task: Create UI Layer for 3DS Redirection
      - 🧩 Task: Create API Layer for 3DS Flow Handling
      - 🧩 Task: Create DB Layer for 3DS Logs

- Feature 4: Refund and Cancellation Handling
  - User Story 7: Enable Refund to Original Payment Method on Cancellation
    - Task: Create API Layer for Refund Trigger
    - Task: Create DB Layer for Refund Records
    - Task: Create UI Layer to Show Refund Status
  - User Story 8: Track and Display Real-Time Refund Status
    - Task: Create UI Layer for Refund Timeline
    - Task: Create API Layer for Status Polling
    - Task: Create DB Layer for Status Updates
- Feature 5: Amazon Pay Wallet Management
  - User Story 9: Display Wallet Balance and Transaction History
    - Task: Create UI Layer for Wallet Dashboard
    - Task: Create API Layer for Wallet Balance & History
    - Task: Create DB Layer for Wallet Transactions
  - User Story 10: Implement Auto-Reload Feature for Wallet
    - Task: Create UI Layer for Auto-Reload Settings
    - Task: Create API Layer for Auto-Reload Trigger
    - Task: Create DB Layer for Auto-Reload Configuration

EPIC—

40	Payment	Simantini Patil	New	Amazon Payment

Features—

45	Amazon Pay Wallet Management	Simantini Patil	New	Amazon Payment
44	Refund and Cancellation Handling	Simantini Patil	New	Amazon Payment
43	Payment Authorization and Verification	Simantini Patil	New	Amazon Payment
42	Multiple Payment Methods Support	Simantini Patil	New	Amazon Payment
41	Payment Gateway Integration	Simantini Patil	New	Amazon Payment

User Story—

55	Implement Auto-Reload Feature for Wallet	Simantini Patil	New	Amazon Payment
54	Display Wallet Balance and Transaction History	Simantini Patil	New	Amazon Payment
53	Track and Display Real-Time Refund Status	Simantini Patil	New	Amazon Payment
52	Enable Refund to Original Payment Method on Cancellation	Simantini Patil	New	Amazon Payment
51	Implement 3D Secure for Card Payments	Simantini Patil	New	Amazon Payment
50	OTP Verification for High-Value Transactions	Simantini Patil	New	Amazon Payment
49	Implement Saved Payment Method Functionality	Simantini Patil	New	Amazon Payment
48	Enable UPI, Card, and Net Banking Payment Options	Simantini Patil	New	Amazon Payment
47	Log and Monitor Gateway Transaction Responses	Simantini Patil	New	Amazon Payment
46	Integrate Multiple Payment Gateways with Backend	Simantini Patil	New	Amazon Payment

Tasks—

66	Create DB Layer	Simantini Patil	New	Amazon Payment
65	Create UI Layer	Simantini Patil	New	Amazon Payment
64	Create API Layer	Simantini Patil	New	Amazon Payment
63	Create DB Layer	Simantini Patil	New	Amazon Payment
62	Create UI Layer	Simantini Patil	New	Amazon Payment
61	Create API Layer	Simantini Patil	New	Amazon Payment
60	Create DB Layer	Simantini Patil	New	Amazon Payment
59	Create UI Layer	Simantini Patil	New	Amazon Payment
58	Create API Layer	Simantini Patil	New	Amazon Payment
57	Create DB Layer	Simantini Patil	New	Amazon Payment
56	Create UI Layer	Simantini Patil	New	Amazon Payment
78	Create DB Layer	Simantini Patil	New	Amazon Payment
77	Create UI Layer	Simantini Patil	New	Amazon Payment
76	Create API Layer	Simantini Patil	New	Amazon Payment
75	Create DB Layer	Simantini Patil	New	Amazon Payment
74	Create UI Layer	Simantini Patil	New	Amazon Payment
73	Create API Layer	Simantini Patil	New	Amazon Payment
72	Create DB Layer	Simantini Patil	New	Amazon Payment
71	Create UI Layer	Simantini Patil	New	Amazon Payment
70	Create API Layer	Simantini Patil	New	Amazon Payment
69	Create DB Layer	Simantini Patil	New	Amazon Payment
68	Create UI Layer	Simantini Patil	New	Amazon Payment
67	Create API Layer	Simantini Patil	New	Amazon Payment
85	Create API Layer	Simantini Patil	New	Amazon Payment
84	Create DB Layer	Simantini Patil	New	Amazon Payment
83	Create UI Layer	Simantini Patil	New	Amazon Payment
82	Create API Layer	Simantini Patil	New	Amazon Payment
81	Create DB Layer	Simantini Patil	New	Amazon Payment
80	Create UI Layer	Simantini Patil	New	Amazon Payment
79	Create API Layer	Simantini Patil	New	Amazon Payment
78	Create DB Layer	Simantini Patil	New	Amazon Payment