**ProductBacklog**

**EPIC 1: User Management**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US1 | As a new user, I want to register with my email and password so that I can access courses. | High | Include email validation |
| US2 | As a registered user, I want to log in so that I can access my dashboard. | High | Include JWT-based authentication |
| US3 | As a user, I want to reset my password so that I can recover my account if I forget my credentials. | Medium | Use OTP or email link |
| US4 | As an admin, I want to manage user roles (student/instructor/admin) so that I can control access. | High | Role-based access control |

**EPIC 2: Course Management**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US5 | As an instructor, I want to create a new course with title, description, and syllabus so that learners can enroll. | High | Rich text editor for course content |
| US6 | As an instructor, I want to upload videos, PDFs, and quizzes to my course. | High | Files upload |
| US7 | As an admin, I want to approve or reject a course before it is published. | Medium | Review workflow |
| US8 | As a student, I want to browse available courses by category or popularity. | High | Include search & filters |

**EPIC 3: Enrollment & Progress**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US9 | As a student, I want to enroll in a course so that I can start learning. | High | Free and paid support |
| US10 | As a student, I want to track my course progress so that I know what’s completed. | High | Completion percentage |
| US11 | As an instructor, I want to view enrolled students so that I can track their performance. | Medium | Dashboard view |

**EPIC 4: Assessments & Certification**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US12 | As a student, I want to take quizzes after each module so that I can evaluate my understanding. | High | Auto-grading |
| US13 | As a student, I want to download a certificate after completing a course. | Medium | PDF generation |
| US14 | As an instructor, I want to create and manage quizzes and assignments. | High | Question bank support |

**EPIC 5: Payments (for Paid Courses)**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US15 | As a student, I want to make a payment via multiple options (card, UPI, PayPal) so that I can enroll in paid courses. | High | Payment gateway integration |
| US16 | As an admin, I want to see revenue reports and student purchases. | Medium | Dashboard analytics |

**EPIC 6: Notifications & Feedback**

| **ID** | **User Story** | **Priority** | **Notes** |
| --- | --- | --- | --- |
| US17 | As a user, I want to receive email notifications for important events (enrollment, new course, certificate). | Medium | Email service |
| US18 | As a student, I want to give feedback/rating to a course so that others can benefit from it. | High | 1-5 star system |

**SprintBacklog:**

**Sprint Backlog Items:**

| **ID** | **User Story** | **Tasks** | **Estimation (hrs)** | **Assignee** |
| --- | --- | --- | --- | --- |
| **US1** | **As a new user, I want to register so that I can access courses.** | **- Create user model - Build registration API - Validate email format - Save user to DB - Write test cases** | **10 hrs** | **Dev A** |
| **US2** | **As a user, I want to log in so I can access my dashboard.** | **- Login API - JWT Token generation - Store tokens - Secure endpoints** | **12 hrs** | **Dev B** |
| **US8** | **As a student, I want to browse available courses.** | **- Create course model - Build course listing API - Add pagination/filter - Frontend integration** | **14 hrs** | **Dev C** |
| **US20** | **As a system admin, I want logs for debugging.** | **- Set up basic logging - Add logs to user endpoints** | **4 hrs** | **Dev A** |