**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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| --- | --- |
| **DATE:** | **26-06-2025** |
| **Team ID :** | **LTVIP2025TMID58052** |
| **Project Name :** | **LearnHub: Your Center for Skill Enhancement** |

**1. Product Backlog**

| **Backlog Item ID** | **Type** | **Description** | **User Story Reference** | **Priority** | **Story Points** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **PB-LH-001** | **Feature** | **User Registration & Login** | **US-LH-001** | **1** | **8** | **To Do** | **Essential for learner and instructor access.** |
| **PB-LH-002** | **Feature** | **Course Enrollment & Tracking** | **US-LH-002** | **1** | **13** | **To Do** | **Tracks learner progress across modules.** |
| **PB-LH-003** | **Feature** | **Discussion Forums** | **US-LH-003** | **2** | **8** | **To Do** | **Enables learner-instructor interaction.** |
| **PB-LH-004** | **Feature** | **Secure Payment Gateway** | **US-LH-004** | **2** | **5** | **To Do** | **Required for premium course purchases.** |
| **PB-LH-005** | **Feature** | **Course Upload by Instructors** | **US-LH-005** | **1** | **13** | **To Do** | **Allows instructors to upload and manage content.** |
| **PB-LH-006** | **Feature** | **Mobile Responsive UI** | **US-LH-006** | **1** | **8** | **To Do** | **Ensures accessibility across devices.** |
| **PB-LH-007** | **Enhancement** | **Search & Filter Courses** | **US-LH-007** | **2** | **5** | **To Do** | **Improves learner course discovery.** |
| **PB-LH-008** | **Feature** | **REST API Integration** | **US-LH-008** | **1** | **13** | **To Do** | **Enables efficient frontend-backend communication.** |
| **PB-LH-009** | **Feature** | **Progress Tracking Dashboard** | **US-LH-009** | **2** | **8** | **To Do** | **Visual representation of learner progress.** |
| **PB-LH-010** | **Feature** | **Feedback Collection** | **US-LH-010** | **3** | **5** | **To Do** | **Collects learner feedback post-course completion.** |

**2. Sprint Planning**

**| Sprint Goal: Enable core user registration, course upload, enrollment, and interaction capabilities. |  
| Sprint Duration: 2 Weeks: June 28 – July 12 |  
| Sprint Team: 5 Members (Dev A, Dev B, Dev C, UI, QA) |  
| Total Capacity: 40 Story Points |**

**Sprint Backlog**

| **Sprint Backlog ID** | **Product Backlog Item (Brief Description)** | **User Story Reference** | **Story Points** | **Assigned To** | **Status** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- |
| **SP-LH-001** | **User Registration & Login** | **US-LH-001** | **8** | **Dev A** | **To Do** | **Includes email verification.** |
| **SP-LH-002** | **Course Enrollment & Tracking** | **US-LH-002** | **8** | **Dev B** | **To Do** | **Basic enrollment, without certification module initially.** |
| **SP-LH-003** | **Discussion Forums** | **US-LH-003** | **5** | **Dev C** | **To Do** | **Text-based forum setup first.** |
| **SP-LH-004** | **Payment Gateway (Basic Integration)** | **US-LH-004** | **5** | **Dev B** | **To Do** | **Stripe/Razorpay sandbox integration.** |
| **SP-LH-005** | **Course Upload by Instructors** | **US-LH-005** | **8** | **Dev A** | **To Do** | **Includes video and text uploads.** |
| **SP-LH-006** | **Mobile Responsive UI** | **US-LH-006** | **5** | **UI** | **To Do** | **Test on mobile and tablets.** |
| **SP-LH-007** | **Feedback Collection** | **US-LH-010** | **3** | **QA** | **To Do** | **Basic feedback form post-course.** |

**Role Allocation**

| **Role** | **Assigned Tasks** |
| --- | --- |
| **Dev A** | **SP-LH-001, SP-LH-005** |
| **Dev B** | **SP-LH-002, SP-LH-004** |
| **Dev C** | **SP-LH-003** |
| **UI** | **SP-LH-006** |
| **QA** | **SP-LH-007** |

**3 User Stories**

| **User Story ID** | **As a...** | **I want to...** | **So that...** | **Acceptance Criteria** | **Story Points** |
| --- | --- | --- | --- | --- | --- |
| **US-LH-001** | **Learner/Instructor** | **register and log in securely** | **I can access the LearnHub platform.** | **1. Create an account with email/password. 2. Email verification workflow. 3. Secure login. 4. Handle invalid attempts securely.** | **8** |
| **US-LH-002** | **Learner** | **enroll in courses and track progress** | **I can learn at my own pace and monitor progress.** | **1. Enroll in a course. 2. Course listed under "My Courses". 3. Progress tracked module-wise.** | **8** |
| **US-LH-003** | **Learner/Instructor** | **interact in course forums** | **I can resolve doubts and share knowledge.** | **1. Post questions and replies. 2. View all threads. 3. Persistent message storage.** | **5** |
| **US-LH-004** | **Learner** | **pay securely for premium courses** | **I can access advanced content.** | **1. Payment gateway integration. 2. Confirmation after payment. 3. Access premium content post-payment.** | **5** |
| **US-LH-005** | **Instructor** | **upload and manage courses** | **learners can access my content.** | **1. Upload videos and descriptions. 2. Edit/delete content. 3. Display under "Available Courses".** | **8** |
| **US-LH-006** | **Learner/Instructor** | **access LearnHub on all devices** | **I can learn anytime, anywhere.** | **1. UI adjusts for mobile/tablet/desktop. 2. No functionality breaks.** | **5** |
| **US-LH-007** | **Learner** | **search and filter courses easily** | **I can find relevant courses quickly.** | **1. Search by title/category. 2. Filter by difficulty/popularity.** | **5** |
| **US-LH-008** | **System** | **integrate REST APIs efficiently** | **frontend and backend communicate seamlessly.** | **1. Stable API endpoints. 2. Fast data retrieval.** | **13** |
| **US-LH-009** | **Learner** | **track progress visually** | **I know how much of the course I have completed.** | **1. Dashboard shows course progress bars. 2. Updates in real-time.** | **8** |
| **US-LH-010** | **Learner** | **provide feedback post-course completion** | **I can share my learning experience.** | **1. Prompt for feedback post-course. 2. Submit ratings and comments.** | **5** |