**Project Design Phase-II**

**Data Flow Diagram & User Stories**

| Date | 31 January 2025 |
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| Team ID | LTVIP2025TMID54182 |
| Project Name | LearnHub: Your Center for Skill Enhancement |
| Maximum Marks | 4 Marks |

## Data Flow Diagrams (DFD)

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. It shows:

* How data enters and leaves the system
* What transforms the data
* Where data is stored

### Example: Simplified Level 0 DFD

* **External Entities:** User (Student/Teacher/Admin)
* **Processes:** Registration, Login, Enroll Course, Upload Course, Admin Controls
* **Data Stores:** User Database, Course Database
* **Data Flows:** User credentials, Course data, Enrollment status, Certificate

## User Stories

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
| Customer (Mobile) | Registration | USN-1 | As a user, I can register by entering my email, password, and confirming password. | I can access my account/dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I will receive a confirmation email once I register. | I can receive confirmation email & click confirm | High | Sprint-1 |
|  |  | USN-3 | As a user, I can register through Facebook. | I can register & access dashboard via Facebook | Low | Sprint-2 |
|  |  | USN-4 | As a user, I can register through Gmail. | I can register using my Gmail credentials | Medium | Sprint-1 |
|  | Login | USN-5 | As a user, I can log into the application using email and password. | I am logged in and redirected to my dashboard | High | Sprint-1 |
|  | Dashboard | USN-6 | As a student, I can view and resume my enrolled courses. | I can see my progress and continue where I left off | High | Sprint-1 |
|  | Course Enrollment | USN-7 | As a student, I can enroll in a free or paid course. | Enrolled status is visible, and course becomes accessible | High | Sprint-2 |
|  | Certificate | USN-8 | As a student, I can download a certificate after completing a course. | I receive a digital certificate if I pass all modules | Medium | Sprint-3 |
| Customer (Web) | Registration/Login | USN-9 | As a web user, I can register and log in just like mobile users. | Consistent experience across devices | High | Sprint-1 |
|  | Course Discovery | USN-10 | As a user, I can search, filter, and view course details. | Courses are listed by category, rating, and price | High | Sprint-2 |
|  | Payment Integration | USN-11 | As a user, I can securely pay for paid courses. | On successful payment, course becomes accessible | High | Sprint-2 |
|  | Profile Management | USN-12 | As a user, I can update my profile and password. | Changes reflect immediately after saving | Medium | Sprint-3 |
| Customer Care Exec. | User Support | USN-13 | As a support agent, I can view and respond to user issues. | Tickets or emails are assigned and tracked | Medium | Sprint-3 |
|  | Issue Escalation | USN-14 | As an executive, I can escalate unresolved issues to admins. | Admin is notified and can take immediate action | Low | Sprint-3 |
|  | Course Feedback | USN-15 | As a support agent, I can monitor and categorize course feedback. | Feedback is labeled and sent to relevant teachers/admins | Medium | Sprint-3 |
| Administrator | User Management | USN-16 | As an admin, I can view, update, or delete user accounts. | I can manage access levels (Student, Teacher, Admin) | High | Sprint-1 |
|  | Course Management | USN-17 | As an admin, I can approve or reject courses uploaded by teachers. | Only approved courses are visible to students | High | Sprint-2 |
|  | Dashboard & Analytics | USN-18 | As an admin, I can view stats like enrollments, revenue, and usage. | I can filter data by date, category, and user role | Medium | Sprint-3 |
|  | Content Moderation | USN-19 | As an admin, I can remove inappropriate content or reported courses. | Content is hidden or deleted based on admin action | Medium | Sprint-2 |