**📘 Final SDLC Documentation — Scholar’s Lore**

**🎯 An Online Learning Platform**

🔗 **Live Deployment**:

**🔄 Software Development Life Cycle (SDLC) Phases**

**1. Planning Phase**

**🎯 Objective:**

Build a fully responsive online learning platform — **Scholar’s Lore** — that enables users to explore courses, log in, contact support, subscribe to plans, and visit social media profiles.

**Goals Achieved:**

* Designed UI mock-ups using Figma
* Built core platform pages: index.html, home.html, courses.html, contact.html, plans.html, bill.html
* Created 6 individual course detail pages: course1.html to course6.html
* Developed social link pages: twitter.html, linkedin.html, github.html
* Wrote complete documentation including README.md
* Deployed website using **GitHub Pages**

**Team & Stakeholders:**

* **Project Lead**: Jaskirat Singh
* **Front-End Developers**:
  + Hirdepal Singh (2410990410)
  + Jaijit Singh (2410990411)
  + Jaskirat Singh (2410990414)
* **UI/UX Designer**: Jaskirat Singh
* **Content Manager**: Jaijit Singh

**Tools Used:**

* **Figma** – UI Prototyping
* **Visual Studio Code** – Development
* **Git & GitHub** – Version Control
* **Vercel** – Deployment
* **GitHub Issues** – Issue tracking & collaboration

**2. Requirement Analysis**

**✅ Functional Requirements:**

* Login system (JS-based, hardcoded credentials)
* Course listings with navigation to detail pages
* Form handling in Contact and Billing pages
* Subscription plan display
* Individual pages for social media links

**✅ Non-Functional Requirements:**

* Clean and consistent UI/UX
* Fast loading with optimized assets
* Maintainability and scalability for future expansion

**3. Design Phase**

**Visual Style Guide:**

* **Colours**:
  + Navy Blue #1e212e (Headers & Footers)
  + Gold #f9c87b (Buttons & Highlights)
  + White #ffffff (Backgrounds)
* **Typography**:
  + Headings: *Poppins*
  + Body Text: *Montserrat*

**UI Design Highlights (via Figma):**

* Login Page: Image on left, form on right
* Course Grid Layout for courses.html
* Responsive design across all pages
* Reusable header, footer, and buttons

**4. Implementation Phase**

**Technologies Used:**

* HTML5
* CSS3 (styles.css)
* JavaScript (script.js)
* Bootstrap 5
* Google Fonts

**🔧 Key Features Implemented:**

* JS-based login form with input validation
* JS alerts for billing and contact form submissions
* Responsive course card layout using CSS Grid
* Linked navigation between all pages
* Maintainable and modular folder structure

**5. Testing Phase**

**Devices Tested:**

* 💻 Laptop (15.6” Full HD)
* 🖥️ Desktop Monitor (24” Full HD)

**Browsers Tested:**

* ✅ Google Chrome
* ✅ Mozilla Firefox
* ✅ Microsoft Edge

**Results:**

* Login redirects to home.html on valid input
* Course links navigate correctly
* Responsive layout verified across devices
* JavaScript-based form messages work as expected
* No broken links or missing assets
* Social links open properly with consistent styling

**6. Documentation & Deployment Phase**

**Included Documentation:**

* README.md containing:
  + Project overview
  + Features list
  + Technologies used
  + Setup instructions
  + Contributor details
  + Live deployment link
* SDLC Report
* Figma designs

**Deployment Process:**

* Hosted using **GitHub Pages**
* Public repository includes:
  + All HTML, CSS, and JS files
  + UI-Designs
  + folder with documentation
  + Deployment-ready structure

**Issue Tracking**

We utilized **GitHub Issues** throughout development to:

* Track bugs, UI fixes, and responsive layout errors
* Collaborate and comment on problem areas in real-time
* Ensure systematic progress and closure of each feature/module

**Logged Issues:**

1. HTML structure in courses.html
2. JavaScript Error in contact.html
3. CSS Styling bug in plans.html
4. Duplicate HTML code in bill.html

All issues were resolved and closed before deployment to maintain production-readiness.

**🔗 Live Deployment Link:** [**Login - Scholar's Lore**](https://scholars-lore.vercel.app/)