**📘 Scholar’s Lore — Goal 4 Documentation**

🎯 **Focus**: index.html (Login Page) & Social Pages (twitter.html, linkedin.html, github.html)  
📍 **SDLC-Based Development Report**

**1. Planning Phase**

**Objective:**  
Expand the Scholar’s Lore platform by implementing a modern **login page** and creating pages to highlight the platform’s **social media presence**.

**Defined Goals:**

* Develop index.html with a **split layout**: an image on the left and a login form on the right
* Add JavaScript logic for **hardcoded login validation**
* Create twitter.html, linkedin.html, and github.html under the **social section**
* Apply consistent styling using the existing styles.css file

**Project Purpose:**

* Provide users with an interactive and visually engaging login entry point
* Showcase the platform’s official presence on popular social platforms

**Stakeholders Involved:**

* **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

**Milestones Achieved:**

* ✅ Created responsive login layout in index.html (image left, form right)
* ✅ Login functionality added in script.js (hardcoded credentials)
* ✅ Completed social pages with uniform layout: twitter.html, linkedin.html, github.html
* ✅ Unified styling through styles.css
* ✅ Image successfully displayed in the login layout

**Tools Used:**

* Visual Studio Code
* GitHub (Version Control)
* Figma (for UI structure)

**2. Requirement Analysis**

✔ **Functional Requirements:**

* User inputs login credentials on index.html
* JavaScript checks hardcoded values and redirects to the home page if success, otherwise, it shows an error message
* Each social media page displays content about the respective platform

✔ **Non-Functional Requirements:**

* Responsive design for different screen sizes
* Fast loading of login image and social icons
* Reusable styling and visually cohesive design

📄 **Page Structure Breakdown:**

* **index.html**
  + Left section: Image (representing learning or branding)
  + Right section: Login form with username & password fields
  + JS-based login validation
  + Styled via styles.css
* **twitter.html**, **linkedin.html**, **github.html**
  + Header section with icon and name
  + Body content about the respective social account
  + Footer reused from other pages

**3. Design Phase**

🎨 **Colour Palette:**

* **Navy Blue** (#1e212e) – used for headers and background
* **Gold** (#f9c87b) – used for buttons and highlights
* **White** (#ffffff) – used as base background

🔤 **Typography:**

* **Headings**: Poppins (Bold)
* **Body**: Montserrat (Regular)

🧩 **Layout Strategy:**

* **Flexbox** layout on index.html
  + Left: Image (full height)
  + Right: Login form, vertically and horizontally centred
* Uniform sectioning in social pages
* Modular class-based styling

🖼 **Images Used:**

* Login image on left side of index.html
* Brand icons or banners in social pages

**4. Implementation Phase**

🛠 **Technologies Used:**

* HTML5, CSS3, JavaScript
* Google Fonts
* GitHub Pages for deployment

📁 **Files Created:**

* index.html – login page with image and form
* twitter.html, linkedin.html, github.html – social section pages
* styles.css – contains all styles for form, layout, and pages
* script.js – contains login validation logic

🔧 **Key Features Implemented:**

* Login page split layout using Flexbox
* Hardcoded JavaScript-based login system
* Consistent style across all pages using styles.css
* All images and icons responsive and optimized

**5. Testing Phase**

🖥️ **Devices Tested On:**

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

🌐 **Browser Compatibility:**

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

🧪 **Test Results:**

* Login layout renders correctly (image left, form right)
* JavaScript logic works as expected (validates credentials)
* Pages are responsive and well-styled across screen sizes
* Social media pages render with consistent layout and structure
* No broken links or display issues