

Tools and Technologies used during the Project Development :

Phase 1 : Initiation and Design of Project

To build our software product, we started with the architecture of the project. The architecture of the project mainly involved a Login System allowing users to advance in terms of skill in various fields of their choice.

Tools used :

1. **Lucid Chart** for sequence diagrams.
2. **Creately** for data flow diagrams and architecture diagrams.
3. **Draw.io** for Use Case Diagrams.
4. **ERDPlus** for Entity Relationship Diagram of Database Design.

Phase 2 : Design of Front-End.

Since our product was mainly a webapp involving all the functionalities required, the design of the User Interface was a major task. Unlike other webapps, this web app has a different look and feel in each of the different pages comprised in the webapp.

Tools Used:

1. **HTML** and **CSS** for basic website design.
2. **Bootstrap** for advanced responsive web design.
3. **Jquery.js** involved also for responsive website development.
4. **Fonts API** was used for giving a good look and feel to the web app.

Phase 3: Backend functionality of a full fledged working app.

After building our interactive User Interface and a review from our clients , we started off with our backend functionalities for the app to function properly.

Tools Used :

1. **MySQL** for database of the web app.
2. **PHP** for the backend functionalities of the app.
3. **Visual Studio Code** for the coding of the entire app.
4. **Xampp** for Apache Server and Database Management.

Other Tools Used : 1. **Google Chrome** for inspection and running the app on browser.