Learner’s Academy

**Developer Name:** Barnali Subhankar Das

**Technology Used:** Java Server Pages, Servlet, Session management, MySQL, Hibernate

**Sprint Planning:**

**Sprint 1:** Requirement Analysis, Preparing Flow chart, design database structure, Prepare Progress document

**Sprint 2:** Prepare Blueprint code for database connection using Hibernate, design entities, Design User interface by creating JSP (Login page, Admin Action Links, student view, class view, add subject master, add class master, add teacher master)

**Sprint 3:** full fledge functionality development using session for user login, inserting data to master table, retrieving data form master table

**Assumption:** As per requirement Admin is not given access to create student master table, Dummy student data with class mapping is added by me.

Project Flow:

1. Login page: Only Admin login is allowed to login into the system . Where userid of Admin and password is validated . Admin access is hardcoded with username: Admin and Password as admin@123
2. Welcome Admin Page: This page has hyperlinks to add data to master tables , add mapping in mapping tables and to look into student and class view
3. Add Subject page: Add subject into subject master
4. Add Class page: Add Class to Class master
5. Add Teacher page: Add Teacher to Teacher master
6. Map Subject to Class: Add subject mapping with class( also check if duplicate entry is present and return appropriate validation on screen).
7. Map Teacher to subjects of class: This will add teacher mapping with subjects of different class ( also check if duplicate entry is present and return appropriate validation on screen).
8. View Student master: This option is to view each student data with name and corresponding class mapping
9. View Class Report: This is to look at final class report which includes data of every subject , every teacher and every student mapped to particular class.
10. Logout: this is to invalidate session and redirect user to login page.

**Reference:**

* Phase2\_flowchart.png
* Phase2\_screenshots.doc
* Phase2\_Assingment.war
* Simplilearn Schema ( DB backup)