Phase 2 Assessment Learner's Academy

Learner's Academy is a school that has an online management system. The system keeps track of its classes, subjects, students, and teachers. It has a back-office application with a single administrator login. The Project is divided into 4 Sprints each of one week.

1st Sprint:-

- Created Admin Login Form with single [UserId=LearnerAcademy@gmail.com](mailto:LearnerAcademy@gmail.com) and Password=1234
- Created backend Servlet which handles the login Credentials

2nd Sprint:-

- Created Dash-Board page which holds the address for inserting the details of Students,Teachers &Classes
- Created Student form HTML
- This student form accepts the details provided by the admin
- Created AddStudent servlet which inserts the details provided by the admin into Database
- Created DeleteStudent servlet which deletes the record from database which is specified by the admin

3rd Sprint:-

- Created Teacher form HTML
- This teacher form accepts the data provided by the admin
- Created AddTeacher servlet which inserts the provided by the admin into Database
- Created DeleteTeacher servlet which deletes the record from database which is specified by the admin

4th Sprint:-

- Created View.html for displaying the details from database
- Created ReadStudent servlet which displayes the student details
- Created ReadTeacher servlet which displayes the Teacherdetails
- Created ReadClass servlet which displayes the details of class
- Added Logout.html for logout operation
- Added Logout servlet for invalidating the Session

Methods and operations:-

We have 6 operations that user can perform.

- Admin Login

- Insert records of Teachers , Students & Classes.

- Delete Records of Teachers .

- Display List of Students,Teachers &Classes.

- Delete Details of Students .

- Admin Logout

Core concepts

The Whole Application is based on Hibernate, Html,Java,Servlets ,MySql database.For Login/Logout I have used a simple HTML and Servlet that handles the operation of Login/ Logout.

I have created the MYSQL connection through hibernate.cnfg.xml file which establishes the connection between database and the eclipse editor.

I have created Servlets for operations like Inserting data into the database & retrieving data from database and also displaying with the corresponding ReadServlet ,AddServlet.
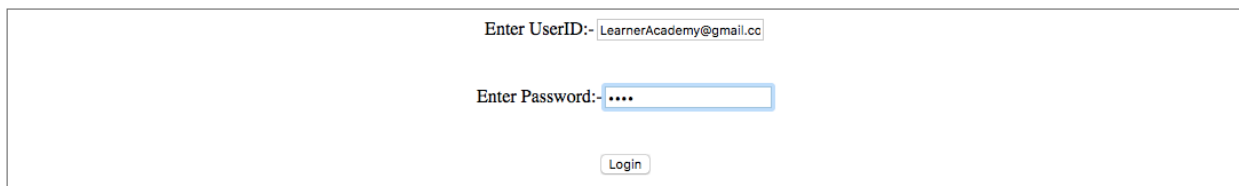
I have created a DashBoard Page which holds the address of adding displaying the details of Teachers,Students & Classes.

I created View Html file which displayes the details of Class,Students,Teachers with the help of ReadServlet which retrieves the details from database

At Last I created Logout Html for Logout Operation and also a Servlet which Handles the operation of Logout

Refer The following Code Snippets:-
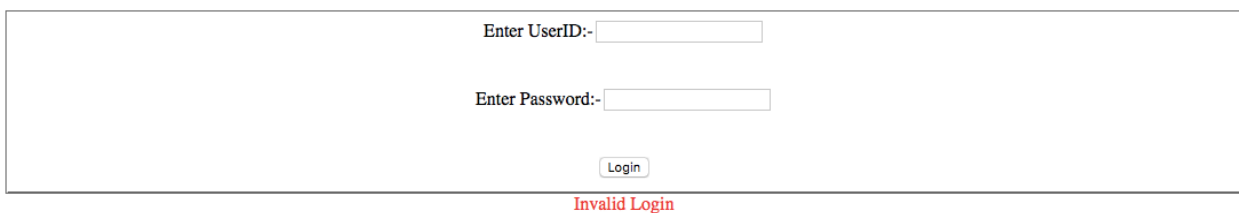
Welcome to Learner's Academy

Enter UserID:- `LearnerAcademy@gmail.co`

Enter Password:- `••••`

Login

Fig(1)Login Form

Welcome to Learner's Academy

Enter UserID:- [   ]

Enter Password:- [   ]

Login

Invalid Login

Fig(2) If User Doesn't provide the credentials it displays Invalid Login

Welcome Admin

Dashboard

Add details of Student

Add details of Teacher

View details of Entire Class

logout

Fig(3) If Admin Logs In he will redirected towards Dashboard page as shown in above Picture

Enter Student details in below Form

Enter Student Name:- Fathima

Enter Student Phone number:- 7585486376

Enter Student Address:- Kolkata

Enter Course Name:- Electronics

Enter Date Of Joining:-(dd-mm-yyy) 08-03-2020

Submit

Fig(4) If Admin clicks on Add details of Student the above form will be displayed

Please fill all Details

Try Again

Fig(5) If Admin Doesn't provide details the error will be displayed as shown in above picture

Details Saved Sucessfully

Add new details of Student

View Details of Student

Delete Details of Student

Dashboard

Fig(6)If Admin Enters details and submits then the above picture is displayed

Delete Details

Enter Student Name: Aasiya

Delete

Fig(7)If admin Wants to delete any record which is shown in above picture

Details Deleted Sucessfully

Add details of Student

View Details of Student

Delete More Details

Fig(8)After deleting the record the above page will be displayed

List Of Students

View List

List of Classes

View List

List of Teachers

View List

Fig(9)If Admin Click view button from dashboard page the above picture will be displayed

Student Details :-

Student Id	Student Name	Student PhoneNumber	Student Address	CourseName	Joinind Date
1	Priya	9999999999	Mumbai	Computer	02-03-2017
2	Shreya	4567839291	Delhi	Mechanical	06-05-2014

Delete Details of Student

Add details of Student

DashBoard

Fig(10)The student details will be displayed as shown in above picture

(Entered four student details who are Fathima, Priya, Aasiya and Shreya and deleted the details of Fathima and Aasiya)

Enter Teacher details in below Form

Enter Teacher Name:- Varghese

Enter Teacher Phone number:- 9604857677

Enter Teacher Address:- Mumbai

Enter Class Name:- Mechanical

Enter Date Of Joining:-(dd-mm-yyyy) 09-09-2012

Submit

Fig(11)Teacher Form as shown in above picture

Details Saved Sucessfully

Add new details of Teacher

View Details of Teacher

Delete Details of Teacher

Dashboard

Fig(12)After Submitting details the above page is displayed

Delete Details

Enter Teacher Name: Ashok

Delete

Fig(13)Teacher details Delete form as shown in above picture

Details Deleted Sucessfully

Add details of Teacher

View Details of Teacher

Delete More Details

Fig(14)The above page is displayed after deleting the details

Teacher Details :-

Teacher Id	Teacher Name	Teacher PhoneNumber	Teacher Address	Assigned Class	Joining Date
1	Varghese	9604857677	Mumbai	Mechanical	09-09-2012
2	Dubey	9643754773	Delhi	Mathematics	13-11-2009

Delete Details of Teacher

Add Details of Teacher

DashBoard

Fig(15)Teacher details displayed as shown in above picture

(Entered three teacher details who are Varghese, Ashok, Dubey and deleted the details of Ashok .)

Logged Out Sucessfully

Click here to Login Again

Fig(16) When Admin clicks on logout button the above page will be displayed