

Tutor Unibe

The tutor project has been developed in java using Eclipse Java EE IDE for Web Developers IDE and backend as MySql.

This project has been divided into two modules i.e. tutor and student.

We have used *.jsp pages for UI and every jsp pages are having one more jsp page for processing and that page interacts to the server side functions. Every jsp pages are having their corresponding bean and Dao classes on server side. E.g. For login process of student we are having Login.jsp for UI and loginprocess.jsp for processing and LoginBean.java for setting and getting UI controls values and LoginDao.java for business logic.

We need to first register as student or tutor which is available on the Login page with link Register and can selected the same from the radio button available before registration. After registration email and password can be used for login process.

Student Module:

After login as student we have the My Student profile page which can be updated by the student logged in. In 2nd tab we are having Search Tutor, which can be used for searching tutors using education and subjects offered by tutors. From the search list we can send message to the respective tutors. The 3rd tab is having Messages tab and the here the student will have list of messages sent by tutors with the tutor details and can be contacted using their email id's. The 4th tab is for Payment where student can pay to their tutors using paypal.

Tutor Module:

After login as Tutor we have the My Tutor profile page and can be updated by the respective logged in tutor. The 2nd tab is Search Student , which can be used to search students based on Student Type and subjects and from the searched list, the tutor can send message to the students who are looking for such tutors. The 3rd tab is Messages having list of messages from students searching for tutors and the tutor can contact students using their email id's.

Code details:

Student / Tutor Login:

Login.jsp : Login.jsp is used for UI design. We have Register link for students and tutors which is handled by javascript function Register(). This function takes the user on "RegisterStudent.jsp" for student registration and on "RegisterTutor.jsp" page for tutor registration.

loginprocess.jsp: We are calling validate function of LoginDao from this page and on successful validation we are enabling session and putting userid and logintype into session for further reference. For student login we are redirecting the user on “StudentProfile.jsp” page and for tutor on “TutorProfile.jsp” page.

LoginBean.java: LoginBean.java is used to get/set the properties of the login pages.

LoginDao.java: We are having validate function on this class which takes LoginBean type input and validates the user from the database based on the Email and password and from “tblStudent” and “tbltutor” based on the login type and returns the student id or tutor id or invalid credentials.

Student registration process:

RegisterStudent.jsp: This page is used for UI for registering students. Also, a javascript function validate is used for validation of the required fields.

registerstudentprocess.jsp: This page is having function to call RegisterStudent function of class RegisterStudentDao.

RegisterStudentBean.java: This class is used to get/set properties of the registerstudent.jsp page.

RegisterStudentDao.java: This class is having RegisterStudent function for adding students profile in tblStudent in MySql database.

Tutor registration process:

RegisterTutor.jsp: This page is used for UI for registering tutors. Also, a javascript function validate is used for validation of the required fields.

registertutorprocess.jsp: This page is having function to call RegisterTutorfunction of class RegisterTutorDao.

RegisterTutorbean.java: This class is used to get/set properties of the registertutor.jsp page.

RegisterTutorDao.java: This class is having RegisterTutor function for adding tutors profile in tblTutor.

Student Profile:

StudentProfile.jsp: This is Student profile UI page having javascript function validation for UI controls validation.

studentprofileprocess.jsp: This page calls the UpdateStudentProfile function of StudentProfileDao class which updates the profile of student while update.

StudentProfileBean.java: This class is used to get / set property of the UI controls.

StudentProfileDao.java : This class has two functions `GetStudent` and `UpdateStudentProfile`.
GetStudent function is used to populate the UI based on the studentid from tblStudents and
UpdateStudentProfile is used to update the student profile to the tblStudent in database.

Search Tutors:

SearchTutor.jsp: This is the UI page for searching tutors.

searchtutorprocess.jsp: This page gets the search result from table tbltutor and displays on the UI having columns TutorId, Email, First Name, Last name, City, Subjects offered, Rate/hour and message link.