Test Procedure

For the project we will be doing two comprehensive tests:

White Box/Unit Testing where the developers will test individual units of source code for the project. This will be used to validate that the systems server side languages of php and MySQL functions are working properly and that the websites basic functionality is working. For a full list of the tasks to be completed see Appendix 1.

Black Box/Integration testing is where testers will have no internal knowledge of the websites code, nor an understanding of its database. They will test the functionality and visual design of the website using a variety of browsers. This will verify the integrity of the client side languages HTML, CSS, and JavaScript of the project are working. For a full list of the tasks to be completed see Appendix 2

Appendix 1

|  |  |  |  |
| --- | --- | --- | --- |
| White Box/Unit Testing for Programmer | | | |
| Database Setup | | | |
| Task Number | Subsystem | (P)ass or (F)ail | Comments, if failed |
| 1.01 | The MySQL .sql file, when sourced, properly installs the database for the system |  |  |
| 1.02 | The connect.php page, to be included on all pages throughout the system, connects to the database. |  |  |
| Registering a User | | | |
| 2.00 | The registerController checks to make sure that all of the fields from the register form where filled out |  |  |
| 2.01 | The controller checks to make sure email is in the proper format. |  |  |
| 2.02 | The controller checks to make sure the password and the retyped password match |  |  |
| 2.03 | The controller checks to make sure first name and last name are all alphabet numbers. |  |  |
| 2.04 | The registerController.php adds the new user to the database and there is no errors with the data |  |  |
| 2.05 | After registering, the session variables are set to correspond to the new user |  |  |
| 2.06 | The registerContoller page prevents SQL Injection attacks |  |  |
| 2.07 | The registerController page prevents Cross side scripting attacks |  |  |
| Logging in a user | | | |
| 3.01 | The controller checks to make sure the user and the password correspond to a real user |  |  |
| 3.02 | The controller page prevents SQL Injection attacks |  |  |
| 3.03 | The controller page prevents Cross side scripting attacks |  |  |
| 3.04 | After logging in the session variables are set to correspond to the user. |  |  |
| 3.05 | The login page prevents SQL Injection attacks |  |  |
| 3.06 | The login page prevents Cross side scripting attacks |  |  |
| Manage Profile(student User) | | | |
| 4.01 | User Info section properly displays users information |  |  |
| 4.02 | Change Profile option correctly checks if you put in valid data |  |  |
| 4.03 | Chang Profile Option checks to make sure you filled in each category |  |  |
| 4.04 | Change Profile Option checks to make sure your password and retyped password are correct |  |  |
| 4.05 | Change Profile option successfully allows to change your profile information on the database |  |  |
| 4.06 | Upload resume option checks to make sure file is in valid format(.doc, docx or pdf). If not a valid file an error message is displayed |  |  |
| 4.07 | Upload resume option properly adds file to database |  |  |
| 4.08 | The manager page prevents SQL Injection attacks |  |  |
| 4.09 | The manager page prevents Cross side scripting attacks |  |  |
| Manage Profile(employeer User) | | | |
| 5.01 | User Info section properly displays users information |  |  |
| 5.02 | Change Profile option correctly checks if you put in valid data |  |  |
| 5.03 | Change Profile Option checks to make sure you filled in each category |  |  |
| 5.04 | Change Profile Option checks to make sure your password and retyped password are correct |  |  |
| 5.05 | Change Profile option successfully allows to change your profile information on the database |  |  |
| 5.06 | Add Job option checks to make sure all categories are filled out |  |  |
| 5.07 | Add job option successfully uploads job to database |  |  |
| 5.08 | The manager page prevents SQL Injection attacks |  |  |
| 5.09 | The manger page prevents Cross side scripting attacks |  |  |
| Search for Listings/Display Listings Page | | | |
| 6.05 | The search for listings displays accurate results |  |  |
| 6.06 | The search for listings is safe from SQL injection attacks |  |  |
| 6.07 | If a student decides to send a resume to a job, the webpage properly sends the resume to the employeer |  |  |

Appendix 2

For each browser, test aspect each, if aspect fails fail, then write comment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Black Box/Integration Testing | | | | | | | |
| Register | | | | | | | |
| Aspect | Firefox | Safari | Chrome | IE 10 | IE 9 | IE 8 | If fail, write comment |
| The user can register as a new user. |  |  |  |  |  |  |  |
| There are no display problems or warnings |  |  |  |  |  |  |  |
| When the user registers, they are redirected to the manager page |  |  |  |  |  |  |  |
| Columns are aligned, even when zoomed out |  |  |  |  |  |  |  |
| Links at the top of the page work properly |  |  |  |  |  |  |  |
| Login Page | | | | | | | |
| The user can login |  |  |  |  |  |  |  |
| There are no display problems or warnings |  |  |  |  |  |  |  |
| The columns are properly aligned |  |  |  |  |  |  |  |
| Links at the top of the page work properly |  |  |  |  |  |  |  |
| Manager page(student) | | | | | | | |
| Your info properly displays on right |  |  |  |  |  |  |  |
| Ability to change profile and upload resume are displayed |  |  |  |  |  |  |  |
| When you click change profile a form is properly displayed |  |  |  |  |  |  |  |
| When you click upload file a proper form is displayed |  |  |  |  |  |  |  |
| Columns are properly aligned |  |  |  |  |  |  |  |
| Links in header all properly work |  |  |  |  |  |  |  |
| Manager Page(business) | | | | | | | |
| Columns are properly aligned |  |  |  |  |  |  |  |
| Links in header all properly work |  |  |  |  |  |  |  |
| When you click change profile a form is properly displayed |  |  |  |  |  |  |  |
| When you click add job a proper form is supplied and you are able to submit a job |  |  |  |  |  |  |  |
| Jobs display | | | | | | | |
| Jobs are displayed in a table |  |  |  |  |  |  |  |
| Searching a job returns proper results |  |  |  |  |  |  |  |
| Links in header work properly |  |  |  |  |  |  |  |