

#### Assignment 4

**a) Explanation of status and stopping point, if incomplete.**

**Status: Complete**

We have completed all the features assigned.

**b) Explanation of additional features, if any.**

We have implemented all the required and specified features mentioned in the document and also added **forgot password** feature, **recommend** and **contact** features.

Technique Used	Files modified	comment
JSTL Out tag	All the JSP files where it is required	Changed EL tags to JSTL out tags to display the values from the beans in request and session
Prepared statements		We have implemented these if the last assignment itself
Hash and Salt Password	UserController.java, UserDB.java	Added methods to generate salt, hash the password, add salt value to database, retrieve salt value from db for signup, and forgot password and login functionalities.
Forgot password	UserController.java, UserDB.java, changepassword.jsp	Implemented forgot password feature

**c) Discuss the easy and challenging parts of the assignment. How did you overcome all or some of the challenges?**

It is difficult to share work simultaneously, so for much of the time we would split the work up and then send it to each other. The easiest part is deciding whose project to start with. We decided to start with Avinash project because it had all the functionalities working.

**d) Discuss division of labor specifying who did what and why this is a fair and equal split.**

We have shared the work equally. We have shared all the actions need to be performed equally among us. At the end we sat together and integrated our work to get the best result out of our works.