Requirement Analysis

* The fact finding method used is

1. Interview

Various questions asked during interview are as follows :

1. What problems are faced while learning psql?
2. Do you refer a theoretical or practical approach to learn psql?
3. If you refer practical approach then would you like to have a dynamic or static workbench to practice your queries?
4. Do you need a test menu in your application/system to solve some questions and find your progress report?

* The various requirements of the users are as follows :

1. After registration and a successful login user should see a homepage which greets the user and provides a screenshot of previous session which helps him to continue his work from there.
2. System should provide three tabs-tutorials, workbench, test.
3. After selecting tutorials it should provide a panel containing different topics ,on selecting any topic it should display the tutorials for that topic.
4. From tutorials user can go to workbench and the related type from workbench will be auto selected.
5. Selecting workbench menu will load types of queries in sidebar.
6. Selecting any of these will load related component only in the edit area.
7. Edit area can be toggled between static and dynamic.
8. Results will be shown in console like panel.
9. Leaving workbench will result in a pop up saying “do you really want to leave this page? Your current progress will be lost”.
10. After selecting test menu assignments will be loaded in the side bar.
11. On selecting any of these assignments particular questions will be loaded in the toggle switch component and a static workbench will be loaded in the edit area.
12. After completing the test user should be able to view his progress report.
13. Also time will be tracked for each user , ie. How much time user is spending working on this site and according to that badges will be allocated to the user.
14. System should also provide a facility to user to change his password, profile, etc.