My Experience:

Challenges and difficulties I faced for kids learning portal project is using builder pattern to set the values for the kids details, so that I need not to set the values for unwanted variable. Implementing the factory design to create an instance for the service-learning portal. Faced difficulties in getting the courses, after that with the kids age, I have separated the courses. Faced difficulties in selecting the courses, then I have filtered the course according to the price range. Implemented observer pattern to send the exam notification. Created jUnit test case to test the major functionalities.

The designing the pattern is the time-consuming task. But it worth the time because it makes things easy for myself.

From the difficulties I learned: Creating the builder pattern to set the values for the kids details, so that I need not to set the values for unwanted variable. The factory design to create an instance for the service-learning portal. Faced difficulties in getting the courses, then I have separated the courses. The observer pattern to send the exam notification. Created jUnit test case to test the major functionalities.