**Challenges and difficulties**

The challenges and difficulties faced by me, while doing the project Bed Monitoring status application at hospitals.

1. Used Factory design pattern to create an instance for patient to access the methods like register, check hospitals for the given location and checking the bed status.
2. Used the builder pattern to populate the patient details.
3. Faced difficulties in selecting the hospitals
4. Faced difficulties in getting the available hospital list.
5. Faced difficulties in bill processing, after added the amount according to the hospitals
6. Implemented Observer pattern to notify the bill payment.
7. Implemented jUnit to test the major functionalities in the application.

My learnings from the challenges and difficulties are as follows: I should be more careful in doing the design. The design should be more generic. The design should be more maintainable. I need to understand the OOP concepts and its relationship with my project. I need to implement more functionalities. Read and read more about design patterns.