Clothes Trading website.

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Challenges

   a. **Transferring Theoretical Concepts to Practice:**

We have a great challenge in transferring the theoretical concepts that we took to a technical one, so we took a lot of time understanding how these concerts can be applied in practice .

   b. **Adaptation to Agile Management:**

Working with a new management style was a challenge in the beginning but after a while, we got familiar with Agile and how we can work with Jira and we loved the experience so that we will work with in other projects.

   c. **Flask Development:**

Developing the application using flask was a challenge as we didn't have experience with, moreover the course scope is more than coding or developing so that there was no focus on the technology or the framework.

   d. **DevOps Requirements:**

Applying the devops requirements like: CI/CD, DOCKER, AUTOMATED TESTING etc.. was hard as we didn't face it in another course and they have a very large scope so we need to learn from too many resources.

   e. **Design Pattern Implementation:**

The design patterns were very easy to understand as a concept but when we got to the writing of the code, we were familiar with our old logic of programming so forcing our minds to write with it was a challenge.

What went wrong:

    a. In phase three, we thought that all the requirements were just coding or developing the required features so we give it less estimation of time than required as we discovered that there is too much documentation we need to do as test cases, SRS iterated, test repos, but we enhanced this mistake in phase 4 and started the phase earlier so that we can give a good time for the documentation.

How to improve it next time?:

    a. Maintaining comprehensive documentation, including architectural diagrams, user manuals, and technical documentation, will facilitate knowledge sharing among team members and future developers.

    b. Allocate dedicated time for learning and implementing DevOps practices in parallel with the development process.

    c. Practice implementing design patterns in sample projects or coding exercises to solidify your understanding and get comfortable with their application.