ASSESSMENT

ADVANCED SOFTWARE ENGINEERING CMP9134

1, My roles and contributions to the development process.

The Customer – I acted as the software programming customer. The customer is the main role in the Extreme Programming (XP) Agile methodology. The Customer is the person with the business idea and the money to start the business. He will reach out to multiple developers’ tech companies’ competition until he finds one that he likes. He will meet his choice company product owner or project manager and discuss the terms of their agreement, sign a deal, and accept the project. My core duty was to drive the project, provide the project requirements in form of user stories and quality control acceptance testing and also other responsibilities of liaising with the project stakeholders, project funders, clients, end users and the project development team. I used an index card to write the user stories that explain what I really want the software to do, both the functional and non-functional activities of the banking software. The Customer is one of the roles on the project team whose major responsibility is to choose what stories the software has to satisfy, what stories are needed first and what follows next and for defining tests to verify the correct functioning of the system.

Planning the requirements – Together the customer and project developer will define the application and outline the project requirements. Lets assume that the requirements are:- I -User registration, ii- login, iii – logout, iv – dashboard landing page. There will be multiple iteration new features and new requirements may be added here.

1. Requirement analysis phase – THE TEAM- operations, Developers, product owners, and testers. office to define each outliner requirements and outliner in details – USER REGISTRATION- 1- username input field, 2 password field, 3 – checkbox to accept terms and conditions 4- submit button 5- ability to save user in database. Next Requirement analysis no 2 LOGIN- 1- we need another username input field, 2- password input field, 3- submit button, 4- Read user from database, 5- log user into the system. NEXT requirement analysis no 3 LOGOUT – 1-logout button, 2- clear the session out of browser, 3- prevent other people from logon to the account. Finally Requirement analysis no 4 – THE DASHBOARD -1 -main home page , 2 – new users should be redirected here after registration -3- existing user redirected here after login.

4. The Design state- takes all the requirement and start to plane the product.

Prototype Design

1. Request for proposal: Interactive transaction-based applications, Dependability and performance, managed and understood development process, managed and understood development process, should reuse the software, Essential software product attributes are maintainability, dependability and security, efficiency and acceptability.
2. Requirement Analysis:
3. Design:
4. Coding:
5. Testing:
6. Deploy:
7. Maintenance/Production Support:
8. Project Closure:
9. Sign Off:
10. Finish
11. Advances in Software Engineering
12. Methodologies
13. Agile Processes

3. Software Engineering Techniques

i. Project Management

ii. Prototype Design

iii. Version Control

4. How advanced Software Systems and Software Engineering have changed how we interact as a society with your system considering the following:

i. Social impact

ii. Ethical impact

iii. Entrepreneurial impact

4) References from the above journals

Reference

<https://researcharchive.vuw.ac.nz/xmlui/bitstream/handle/10063/877/thesis.pdf?sequence=1>

https://propelrr.com/blog/user-story-examples-fintech-apps