CIDM 6330 Software Engineering Systems

Homework Assignments #1

**[ 100 points]**

*The main objective of this assignment is to evaluate your engagement in the first two weeks lessons. Please briefly answer the following questions. You can discuss your answers within your Team/group. Please upload your answers file on Blackboard with the file name :****FisrtName\_LastName\_Assignment#1.***

1. **[20 points]** Many modern applications change frequently—before they are presented to the end user and then after the first version has been put into use. Suggest a few ways to build software

to stop deterioration due to change.

1. **[20 points]** Is software engineering applicable when WebApps are built? If so, how might it be modified to accommodate the unique characteristics of WebApps?
2. **[20 points]** Discuss the differences among the various process flows described in Pressman book Section 3.1. Can you identify types of problems that might be applicable to each of the generic flows described?
3. **[20 points]** Is it possible to combine software process models? If so, provide an example.
4. **[10 points]** (a) What Types of Users Can Build Apps with Mendix? (b) What Skills Do I Need to Learn Mendix? (c)How Long Does It Take to Learn Mendix? (d) What Are the Mendix Training Options?

Source: <https://www.mendix.com/evaluation-guide/evaluation-learning/skills-training>

1. **[10 points]** "Obey the Testing Goat! Do Nothing Until You Have a Test" - what is the "test"?, please give an example. Is it a unit test or functional test? Explain in the light of TDD python Chapter-1.