**Assignment 2**



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**Q1 what re factoring strategies they use?**

**Q2 how they apply re-write?**

**Q3 what is not change in the project. Examine the project and submit the proof of changes w.r.t**

**a) old feature**

**b) newly added changes**

**c) changes for each version**

**d) current state.**

**ANSWER:**

**Features:**

Office 365

**Re-factoring strategies:**

* Successful refactoring takes discipline. Perform refactoring in a structured way and avoid combining them with other work.
* Removal of stale code and low-quality tests is a nice way to get the refactoring ball rolling.
* Use of null pointers is a very common source of bugs, no matter what language you’re using.
* Prefer immutable state over mutable.
* Use standard design patterns to separate business logic from implementation details or to make complex business logic more manageable and composable. Use the View Adapter pattern to keep complex logic out of your application’s view layer.
* Beware any class or module with Util in the name.
* Introduce a layer of indirection to inject mock dependencies in tests. Unit tests are not a silver bullet. You need tests at multiple levels of abstraction to protect against regressions caused by refactoring.
* Automate as many tests as possible not only the unit tests.

**Updates:**

* Regular feature upgrades
* Quality updates
* Security patches

**New and old feature comparison:**

* The icons to run the MS Office 365 applications will look different in MS Office 365 new version than they did in prior versions.
* AutoSave feature to make sure the file you're working on is always safely saved with version history in case you need to revert.
* PowerPoint Designer suggest new slide designs and assist with research and outline creation
* Resume Assistant
* Dictation in Word Ideas in PowerPoint, Excel
* Excel Data Types Researcher in Word.
* Streamlined, simpler-to-use Modern Ribbon
* Macros

Previous version of MS Office 365 is the version already available for daily use, so you will have the same experience no matter where you work