Emerg SFW A2 Team 2

**Refactoring legacy code /clean code/ mob programming**

The purpose of this assignment is to prepare you to work with a geographically distributed [mob programming](https://www.agilealliance.org/glossary/mob-programming/#q%3d%7e(infinite%7etrue%7efilters%7e(postType%7e(%7e%27page%7e%27post%7e%27aa_book%7e%27aa_event_session%7e%27aa_experience_report%7e%27aa_glossary%7e%27aa_research_paper%7e%27aa_video)%7etags%7e(%7e%27mob*20programming))%7esearchTerm%7e%27%7esort%7efalse) team (that one you’ve already formed).

You will identify and get experience with remote collaboration tools while completing the [Gilded Rose refactoring kata](https://github.com/emilybache/GildedRose-Refactoring-Kata).

**What to do?**

| **Tasks** | **Pts** |
| --- | --- |
| Create a public GitHub repository for your mob.  <https://github.com/emadvaid/6733> | 10 pts |
| Identify what tool(s) will you use to enable excellent f2f-like collaboration (for remote pair- and mob programming)? *Document your solution in your repo’s README*.  Skype For Business is our collaboration tool | 20 pts |
| Complete the [Gilded Rose refactoring kata](https://github.com/emilybache/GildedRose-Refactoring-Kata) with your mob programming team:   1. Add your Gilded Rose code to your repo (whatever language you choose--default is Java).   Session 1 add Junit tests achieve 100% coverage Sun Feb 10   1. Mob with your teammates to add unit tests until it is safe to [refactor](https://refactoring.com/) the legacy code. To demonstrate that you worked as a mob, capture video of your session. Upload your video to YouTube or Vimeo. *Document the URL of your video in your repo's README file*.   Session 1 video – abridged for size ~1.5hrs to 15 mins :\_ <https://youtu.be/NryiiYuI6eE>   1. Aim for excellent code coverage of the production code; ignore code coverage of the test code. Take a screenshot of your IDE or code coverage tool showing your project's code coverage. *Include the screenshot in your git repo as a file named* ***code-coverage.png***.   Test Code Coverage Session 1: Team2\_A2\_session1\_code-coverage.png     1. Show that all your unit tests pass. Take a screen shot of the [JUnit](https://junit.org/junit5/) tests in your IDE, showing the list of all unit tests and their results. Or copy the console output of your JUnit tests into a text file. I*nclude the screen shot or text file in your git repo. Name the file* ***test-results.png*** *or* ***test-results.txt***.   Test List : Team2\_A2\_session1\_test-results.png       1. Refactor the Gilded Rose production code, removing as many [code smells](http://wiki.c2.com/?CodeSmell) as possible, refactoring for clean code. Your refactored Gilded Rose production code should be short and concise. *Commit your refactored code to your repo*.   Refactored Code in Repo: <https://github.com/emadvaid/6733>   1. Add the new feature. Use [TDD](http://agiledata.org/essays/tdd.html). Your test method(s) for the new inventory item, Conjured items, must start with the word “conjured”. You have at least one test method for Conjured items, and it proves that Conjured items degrade twice as fast as ordinary items. All tests should pass.   Refactored Code and new conjured item: Session 2 Feb 17  Session 2 video - abridged for size ~1.5hrs to 15 mins : <https://youtu.be/vhpGYiphS-U>  Test Coverage Conjured Item : Team2\_A2\_session2Refactored\_code-coverage.png  Test Results for Final Code: Team2\_A2\_session2Refactored\_test-results.png  Team2\_A2\_session2Refactored Test Results - All\_in\_gilded-rose-kata.html   * See next pages for screen shots |  |

*Submission*: Submit the URL of your repo as the solution to this assignment under the " [Assignment 2](file:///\\d2l\common\dialogs\quickLink\quickLink.d2l?ou=1678490&type=dropbox&rcode=USGQProd-12566104)". *Weightage*: This assignment is worth 100 points. <https://github.com/emadvaid/6733>

If you have any questions about the assignment, please use this open discussion forum: [Questions & Discussion about Assignment #2](file:///\\d2l\common\dialogs\quickLink\quickLink.d2l?ou=1678490&type=discuss&rcode=usgq-12576118)