Assignment 5

Your company has been bought by a larger one. The new CEO is determined to make some changes and integrate you into the bigger company. The solution you implemented is stable enough to be sent off to project manager he likes. But don't worry, you can work on a project that was recently acquired.

Both teams from this lab will send all their work to the subgroup from the list below (more will be added for each lab). You will also receive 2 solutions once the other subgroup had their lab. You will decide which team will work on which problem. This change is permanent, all future work will be done on this codebase.

921/1 -> 927/2
922/2 -> 923/1
923/1 -> 921/1
925/1 -> 921/2
927/2 -> 924/1
926/1 -> 924/2
832 -> 832
924/2 -> 925/2
922/1 -> 925/1
921/2 -> 926/1
923/2 -> 922/2
924/1 -> 927/1
926/2 -> 922/1
925/2 -> 923/2
831 -> 831
927/1 -> 926/2

- If you had desktop development and now you ended up with mobile, then in visual studio installer select .NET Multi-platform App UI development.
- Refactor the code to make it more readable: all functions and variables must have a semantic meaning whenever possible, there may be no abbreviations (yes, not even lambdas).
- Make sure there is no business logic in GUI. If you find some then move it to a non-GUI class.
- No layer shall know directly about the next one, use interfaces to separate them.
- Write Osherove style, mocked unit tests (covered at the course) on all non-GUI code (100% coverage). Add integration tests wherever appropriate. You may use isolation frameworks.
- Use styleCop static code analysis to find issues in the code and fix them, this will also help to homogenize the various projects a bit so merging them will be less painfull.
  1. Copy the SE.ruleset file from teams to your project(s) root.
  2. Right click on project(s)-> manage NugetPackages
  3. On the Browse tab search for -> StyleCop.Analyzers, then install
  4. Right click on your project -> Edit project file
  5. Search for the following property group and add the line with "CodeAnalysisRuleSet", if it does not exist add all three.

```
<PropertyGroup Condition="'$(Configuration)|$(Platform)'=='Debug|AnyCPU'">
    <CodeAnalysisRuleSet>SE.ruleset</CodeAnalysisRuleSet>
</PropertyGroup>
```

6. Build/attempt to run

Deadline: lab 5