The Apple Coding Assessment Exercise is attached. Please return as a single GitHub Link with the Code, ReadMe file, and Unit Tests in it.

Please remember – it's not just whether or not the code works that they will be focused on seeing – it's all the rest of what goes into good Senior Software Engineering daily practices for Enterprise Production Level Code – such as specifically:

- Unit Tests (#1 on the list of things people forget to include – so please remember, treat this as if it were true production level code, do not treat it just as an exercise),
- Detailed Comments/Documentation within the code, also have a README file
- Include *Decomposition* of the Objects in the Documentation
- Design Patterns (if/where applicable)
- Scalability Considerations (if applicable)
- Naming Conventions (name things as you would name them in enterprise-scale production code environments)
- Encapsulation, (don't have 1 Method doing 55 things)
- Code Re-Use, (don't over-engineer the solution, but don't under-engineer it either)
- and any other industry Best Practices.