

Sprint Planning Meeting: Design a class to perform the following operations: 'addFile', 'deleteFile', 'searchFile'.

**Sprint 1:** Create of the class 'Model'

*Daily Scrum:* Started Pseudo code design of class. Today will design the skeleton of the methods used in the class today. Impediments include what will the variables values be store as and in?

*Daily Scrum:* Coded the Skelton without parameters or method types. Today I chose what collection to use and what types to pass into the collection. Impediments include how to sort the collection; still unknown.

*Daily Scrum:* Implemented a 'SortedMap' and used the class methods to give the existing methods implementation. Today I will provide the method parameters so test values can be discarded, and find a way to sort the 'SortedMap'. Impediments include finding how to simplify for the 'menu' selection to come.

Sprint Review: None, client was happy.

**Sprint Retrospective:** This sprint went well. I would probably want to improve upon using the 'SortedMap' as a buffer and create actual file writers.

Sprint Planning Meeting: Design a class to make calling the methods in the 'Model' class easier.

**Sprint 2:** Create a 'Features' class to simplify the 'Model'

*Daily Scrum:* Started Pseudo code design of class. Today will design the skeleton of the methods used in the class. No impediments.

*Daily Scrum:* Coded the skeleton methods of type 'String' to be used when called by the 'Menu'. Today I will include a 'Scanner' object to store input provided by the user, also include a 'Print' statement to prompt user for input. Then make a call to the 'Model' class in the 'Return' to be returned.

*Daily Scrum:* Not required.

Sprint Review: None, client was happy.

**Sprint Retrospective:** Wanted to implement encapsulation here, but decided not to. Something I regret.

Sprint Planning Meeting: Design the menus to be used and logic to call the methods from the 'Features' class, navigate menus, and close the program.

**Sprint 3:** Create a 'Menu' class to deploy 'Features' class

*Daily Scrum:* Started Pseudo code design of class. Today will design the skeleton of the methods used in the class. Impediments include how to have multiple level menu options.

*Daily Scrum:* Finished the class design. Today will be coding the menu logic using switch statements in the menu methods. Impediments include, where to implement exceptions for unwanted input.

*Daily Scrum:* Finished menu methods, and included an 'Exception' when the input for navigation of menu's is provided. Today I will encapsulate the menu methods and code a single method to initiate the class to deploy. Also, will deploy the class in the 'main' method. No impediments.

Sprint Review: None, client was happy.

**Sprint Retrospective:** Wish I deployed type checking inside of my 'Exceptions' for extra protection from invalid inputs.