

The Anagrams.zip file consist of a Maven Anagram project with the following project structure.

```
|
|--Source Package
|   |
|   |—— com.smdg.anagrams
|   |
|   |—— com.smdg.anagrams.controller
|   |
|   |—— com.smdg.anagrams.filescanner
|   |
|   |-- com.smdg.anagrams.service
|
|-- Test Package
    |—— Anagramstest
    |—— filescannertest
    |—— servicetest
```

The Anagram program in using the following technology.

- 1)Maven
- 2)Java8(Using lambda,Stream and nio)
- 3)JUnit4
- 4)mysample(Provided by you)

It is a Maven Project. This project can be easily managed by the POM.xml file to added the library. I chose maven for better project manageability and scaleability.

It is easy add more feature features and Libraries through maven and it is easy to configure building project structure and generating executable files by simple plugins in maven.

Also the project was packaged as controller and service. Since it is an console application it was developed without view. Selection of this Controller, service layers will precise more deep into organizing the implementation structure.

The test package consist of a main Junit Testsuit and other unit test file which has been configured in the testsuit.

Each unit test for the corresponding implantation has been place in the responding test packages as described above in the structure.

The input file has been read using the Stream<> and NIO which will be the effect way to read the large dataset about 10 Million or billions of words.