

- Developed by following TDD and DDD
- Used Spock - an groovy based testing framework for writing test cases
- Derived the solution by bottom-up approach
- The design is arrived by following strict SOLID principles
- Some of the design patterns emerged after development are Builder, Strategy.
- The design is zipped as .PNG file
- The command to test the application:  
gradle clean test
- The command to build the application:  
gradle clean build
- The command to install the application:  
gradle clean install
- The commands to run the application:
  1. Cd <unzipped-project-location>/build/libs
  2. Java -jar fx-calculator<snapshot>.jar
- The input files are kept at below project's resource folder:  
<project-root-folder>/src/main/resources

The Assumptions made:

1. The cross via matrix file will be in  $n*n$  dimension
2. The files will be structured as kept in resource folder
3. The new files to process should follow the same name
4. No files are accepted by program
5. The application will keep on listening to commands unless some invalid command given
6. All configurations will be maintained as constants later can be moved to properties file
7. The logging feature will not be provided since the file are well formatted. Later can be given