**Documentation on how to run the application**

**Technical stack:**

1. Java 8
2. Spring boot 2.1
3. Maven 3.3.9

I have created two Spring Boot applications i.e. **Server** and the other is **Client** which uses TCP protocol to transfer the file**.**

**Server** app is responsible for sending the file whose location is given in application.properties file and **Client** app is responsible for receiving the file and saving it in the location provided in its application.properties file.

You can unzip the attached file or you can down load the zip from my github account using the following link <https://github.com/arankhem/Assignment> . It contains two folders one is server-demo and the other is client-demo. It also contains a gif explaining how to import and run these applications.

* You can import them in your favorite IDE as existing maven projects
* After importing both the projects, you must first provide the file location and file name which you want to transfer in server project’s application.properties
* You have to provide the location where you would like to get this file transferred in Client project’s application.properties
* Save both the projects
* Now first Start the **Server** **application** and then start the **Client** **application**. Console log will be printed once the file is transferred. Now you can go and check in the given location to check if the file got transferred.
* I have used a scheduler and added a cron expression to retrieve the file for every 10 mins from the server. I have provided the cron expression to retrieve the file for every seven days in application.properties of client app as well.

I have tested the application by transferring text file, word document, excel document, ppt, pdf etc. I also tested by transferring 1 GB file. For your reference I have created the gif so that it would be easy for you to run the apps.

**Further enhancements can we made for these apps. For example, for now I am overriding the same file for every seven days. If we want the previous files as well then, we can append date and time to the file name so that for every seven days a new file will be created.**

**I am assuming that both the apps will be running on Windows machine.**