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Big Data System Engineering with Scala Spring 2023 Assignment No. 5



-List of Tasks Implemented

Implemented the incomplete parts in Movie.scala and Function.scala files.

-Code

Function.scala

```
* The map2 function. You already know this one!

*

* @param t1y parameter 1 wrapped in Try

* @param t2y parameter 2 wrapped in Try

* @param f function that takes two parameters of types T1 and T2 and returns a value of R

* @tparam T1 the type of parameter 1

* @tparam T2 the type of parameter 2

* @tparam R the type of the result of function f

* @return a value of R, wrapped in Try

*/

def map2[T1, T2, R](t1y: Try[T1], t2y: Try[T2])(f: (T1, T2) => R): Try[R] = t1y.flatMap(t1 => t2y.map(t2 => f(t1, t2)))
```

```
* Qparam f the function we start with, of type (T1,T2)=>R
   * @param f the function we start with, of type (T1,T2,T3,T4,T5,T6,T7)=>R
• */
```

```
* @param f the function
* <u>@param</u> f the function
```

Movie.scala

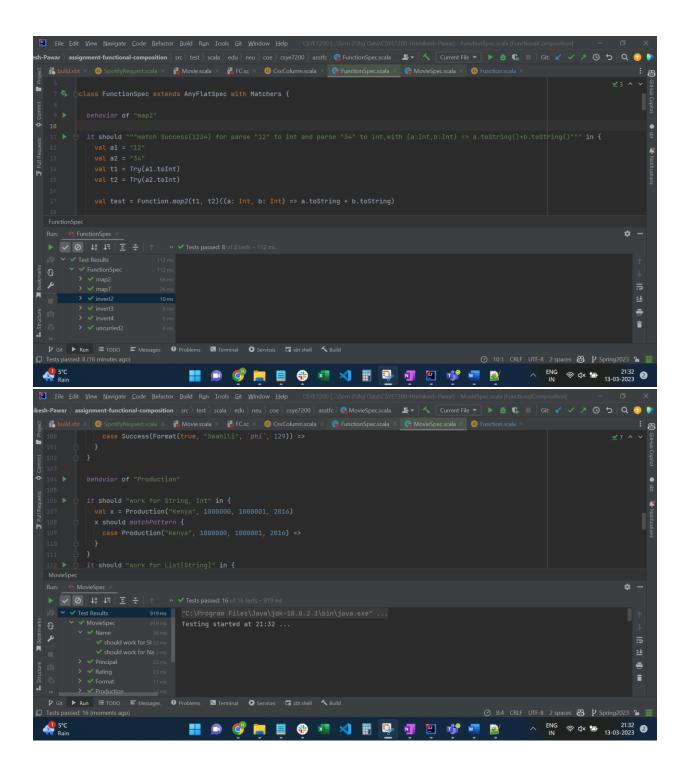
```
//Hint: You may refer to the slides discussed in class for how to serialize object to json
object MoviesProtocol extends DefaultJsonProtocol {
    // 20 points
    implicit val formatSERFormat: RootJsonFormat[Format] = jsonFormat4(Format.apply)
    implicit val productionFormat: RootJsonFormat[Production] = jsonFormat4(Production.apply)
    implicit val ratingFormat: RootJsonFormat[Rating] = jsonFormat2(Rating.apply)
    implicit val reviewsFormat: RootJsonFormat[Reviews] = jsonFormat7(Reviews.apply)
    implicit val nameFormat: RootJsonFormat[Name] = jsonFormat4(Name.apply)
    implicit val principalFormat: RootJsonFormat[Principal] = jsonFormat2(Principal.apply)

implicit val movieFormat: RootJsonFormat[Movie] = jsonFormat11(Movie.apply)
}
```

-Unit tests

Paste Screenshots of your unit tests. (Make sure to include the time on your screen)

Incase Screenshot is not clear, paste a screenshot of all unit tests separately and a screenshot of the entire screen with the time included.



-GitHub Link

https://github.com/hrishikesh-pawar/CSYE7200-Hrishikesh-Pawar/tree/Spring2023/assignment-functional-composition