# Sayeed Ahmed – SEC01 (NUID 002191535)

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



## Implementation:

### Movie.scala:

```
//Hint: You may refer to the slides discussed in class for how to serialize object to json

*Sraw*

object MoviesProtocol extends DefaultJsonProtocol {

// 20 points

// TO BE IMPLEMENTED

implicit val formatFormat: RootJsonFormat[Format] = jsonFormat4(Format.apply)

implicit val productionFormat: RootJsonFormat[Production] = jsonFormat4(Production.apply)

implicit val nameFormat: RootJsonFormat[Name] = jsonFormat4(Name.apply)

implicit val ratingFormat: RootJsonFormat[Rating] = jsonFormat2(Rating.apply)

implicit val reviewJsonFormat: RootJsonFormat[Reviews] = jsonFormat7(Reviews.apply)

implicit val principalFormat: RootJsonFormat[Principal] = jsonFormat2(Principal.apply)

implicit val movieJsonFormat: RootJsonFormat[Movie] = jsonFormat11(Movie.apply)

}
```

### Function.scala:

 $def lift2[T1, T2, R](f: (T1, T2) \Rightarrow R): (Try[T1], Try[T2]) \Rightarrow Try[R] = map2(\_,\_)(f)$ 

github link: https://github.com/sayeedahmed01/CSYE7200/tree/Spring2022/assignment-functional-composition/src/main/scala/edu/neu/coe/csye7200/asstfc

### Test:

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