|  |  |  |  |
| --- | --- | --- | --- |
| DAO | Service | Controller | Webapp |
| ExcelReader(exelFile)  getCell(sheet,cellId)  setCellValue(cell, value)  getCellValue(cell): value  updateCell(sheetCells) | Manager(ExcelReader, variableCellMap)  jsonStringToObject()  setValues(input)  resolve the variable with the cellid  getValues(): ouput | new ExcelReader(exelFile)  variableCellMap | Input = {k1:v1….knvn}  output= {k1:v1….kmvm} |