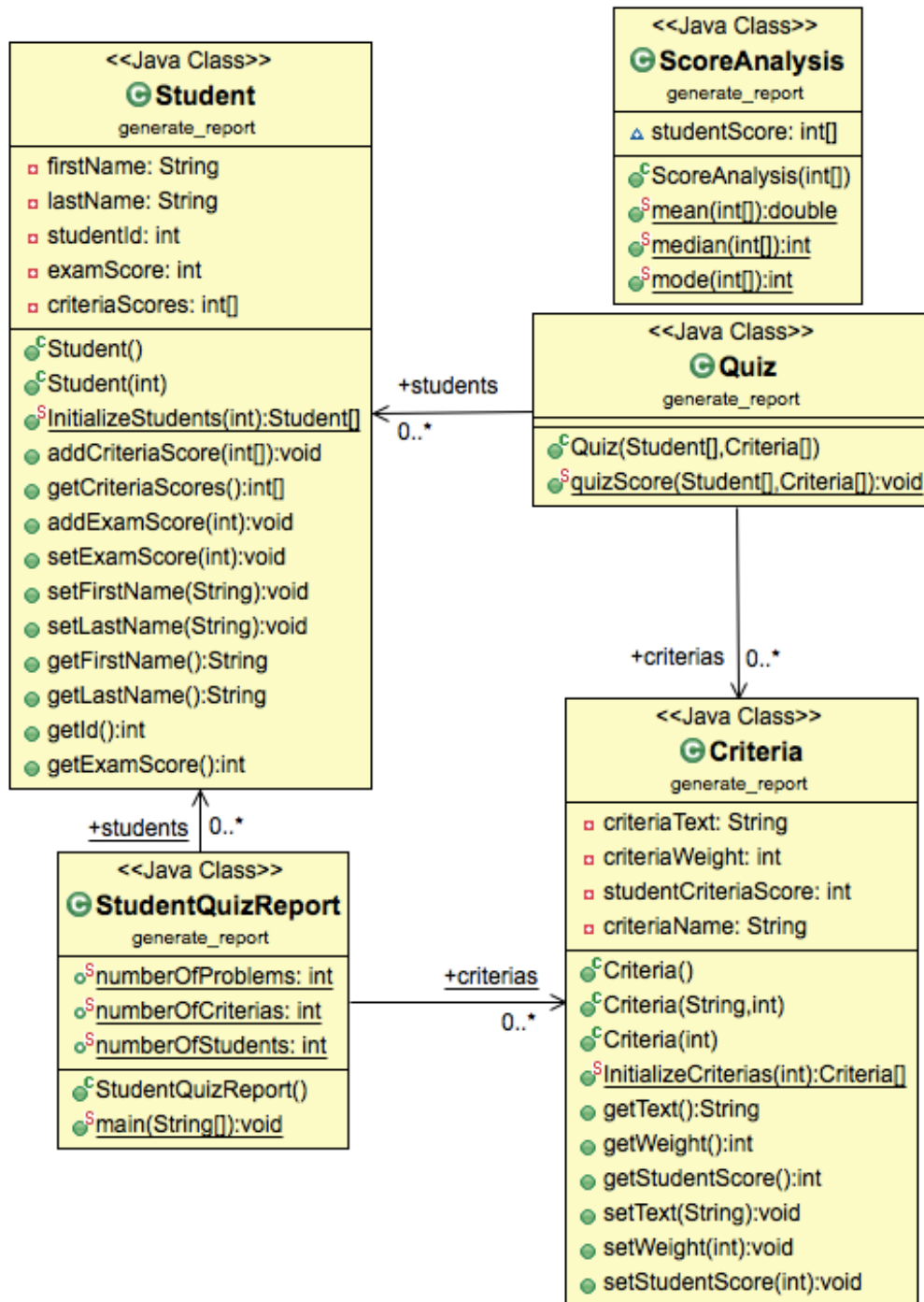


Team Project 2 Final Report

Part I: "How to Run"

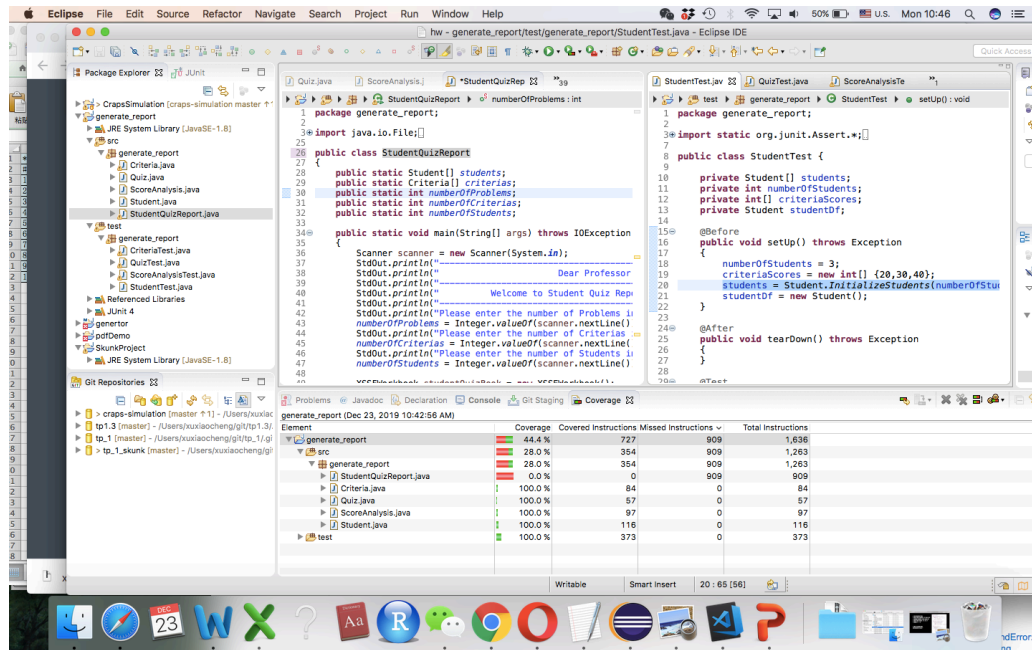
1. The system will ask the user to enter "the number of problems in the quiz", "the number of criteria in each problem", and "the number of students in the class".
2. After typing in those numbers mentioned above, the system will create an Excel file, named "studentQuizRecords.xlsx", inside the default folder.
3. Please fill in the Excel file with the description & weights of all criteria and scores of students in every criterion. (We create our own data in the sample file, named "StudentQuizRecordSample.xlsx").
4. The system will ask the user if the Excel file is completely filled. (Note: please add our sample Excel file to your default folder). If the user enters "y" or "Y", the system will read the Excel file and generate quiz reports (.docx files) for all students in the default folder.
5. In addition, the system will ask the user if she/he needs a special analysis report. If the user enters "y" or "Y", the system will generate a .docx file, named "SpecialAnalysisReport.docx". If the user enters "n" or "N", the system will end.

Part II: UML Class Diagram



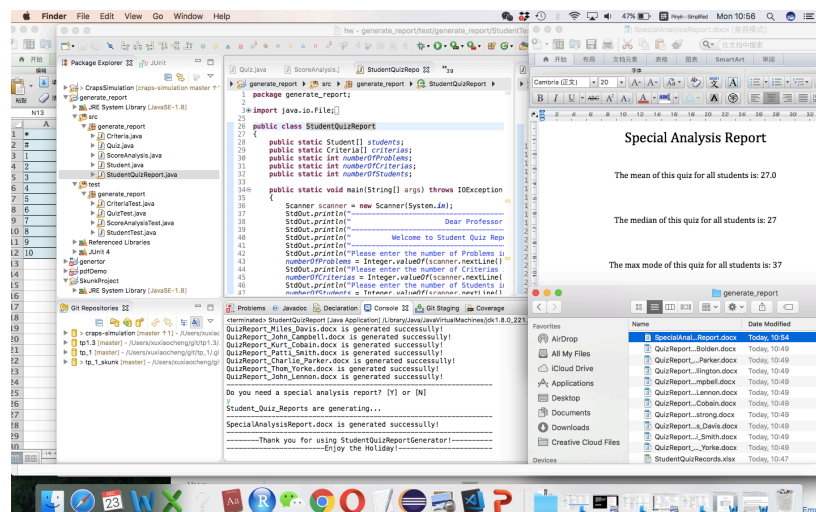
Part III: Tests & Converge

We perform JUnit Tests on all classes except StudentQuizReport class. Those JUnit Tests are 100% but the entire converge is 28% since our separation is not good.



Part IV: Extra Credits

We also add a special quiz analysis report for the professor. This report will analyze the quiz performance of all students in the class and show the statistic analysis results, such as mean, median, and mode of quiz scores.



Part V: Additional Illustration of Working Processes

1. Ask & Enter requested numbers:

```
Problems @ Javadoc Declaration Console Git Staging Coverage
StudentQuizReport [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_221.jdk/Contents/Home/bin/java (D)

Welcome to Student Quiz Report Generator!

Please enter the number of Problems in your quiz:
4
Please enter the number of Criterias in each problem:
3
Please enter the number of Students in your class:
10
<StudentQuizRecords.xlsx> has been created!
Please fill in the excel with criteria texts & scores!

Is your studentQuizRecords.xlsx filled completely? Press [Y] to continue...
```

2. System creates an Excel file, named “studentQuizRecords.xlsx”, in default folder.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	*	*	*	P1-C1 Tex	P1-C2 Tex	P1-C3 Tex	P2-C1 Tex	P2-C2 Tex	P2-C3 Tex	P3-C1 Tex	P3-C2 Tex	P3-C3 Tex	P4-C1 Tex	P4-C2 Tex	P4-C3 Text
2	#	First Nam	Last Name	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weigh	Add Weight
3	1														
4	2														
5	3														
6	4														
7	5														
8	6														
9	7														
10	8														
11	9														
12	10														
13															
14															
15															
16															
17															
18															
19															

3. Please fill in the Excel file with the description & weights of all criteria and scores of students in every criterion. (We use our own data in the sample file, named “StudentQuizRecordSample.xlsx”. Please add our sample Excel file to your default folder!!!)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	*	*	*	Equations	Rules Show	Correct Ans	Draw Pictur	Reflection	Correct Ans	Valid Alge	Use Matrix	Correct Ans	Identify Z	Calculation	Correct Ans
2	#	Last Name	First Name	4	4	4	4	5	4	5	4	4	4	4	4
3	1	Armstrong	Louis	0	1	1	1	0	1	1	1	1	1	0	1
4	2	Bolden	Buddy	0	0	1	0	0	1	1	0	0	1	0	1
5	3	Ellington	Duke	1	1	1	0	0	1	1	0	0	1	1	1
6	4	Davis	Miles	1	0	1	1	1	0	0	1	1	1	0	1
7	5	Campbell	John	1	0	0	1	1	0	0	1	0	0	0	0
8	6	Cobain	Kurt	1	0	1	1	1	0	0	1	1	1	1	1
9	7	Smith	Patti	0	1	0	0	0	1	1	0	0	0	1	0
10	8	Parker	Charlie	0	0	0	0	1	0	0	0	0	0	1	0
11	9	Yorke	Thom	1	1	1	1	0	1	1	1	1	1	0	1
12	10	Lennon	John	1	0	0	1	1	0	0	1	1	0	1	0

4. The system will ask the user if the Excel file is completely filled. If the user enters “y” or “Y”, the system will read the Excel file and generate quiz reports (.docx files) for all students in the default folder.

