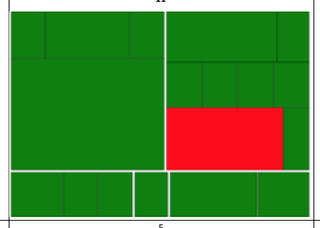
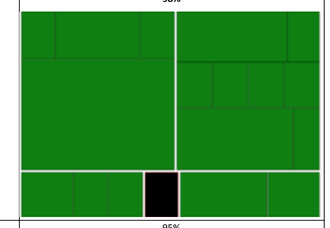
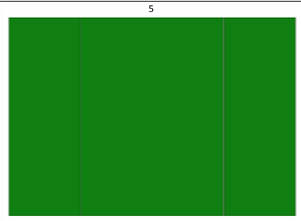
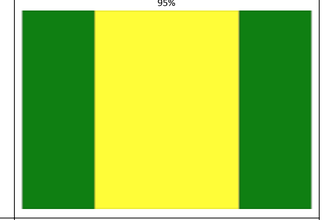
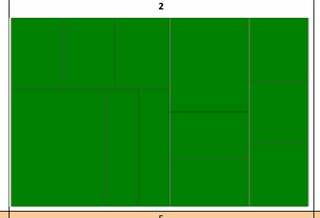
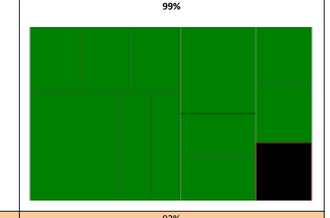
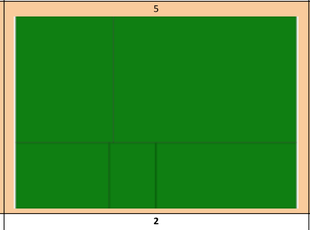
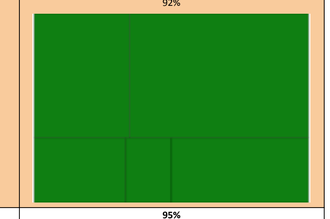
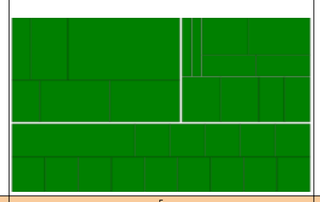
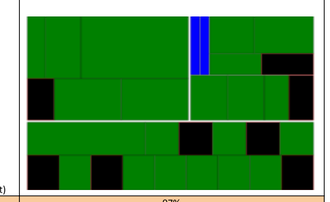
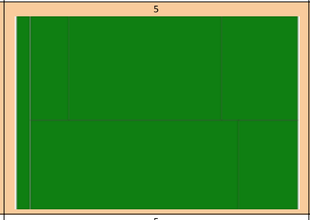
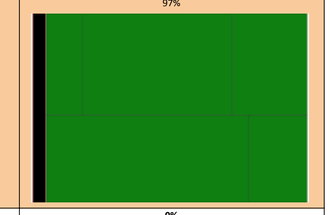
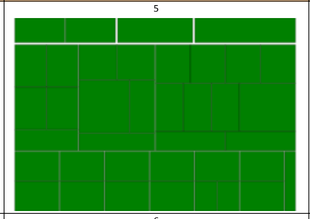
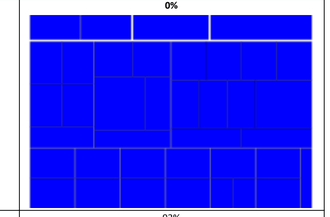
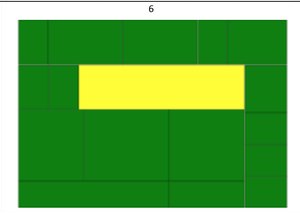
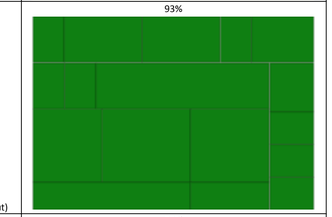
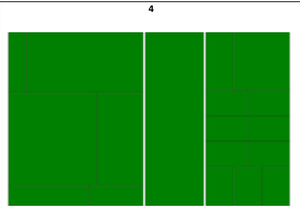
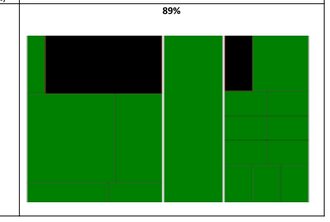
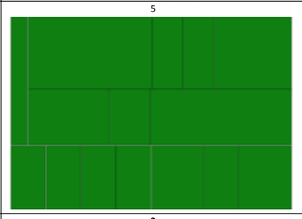
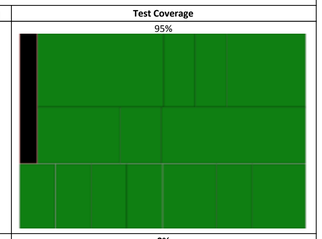
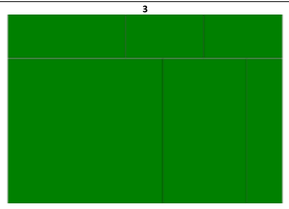
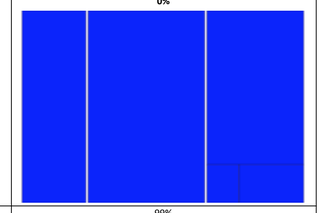
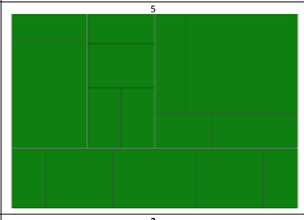
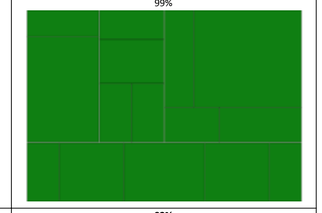
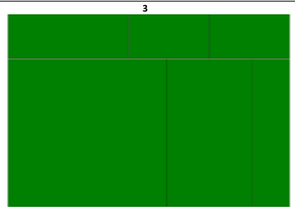
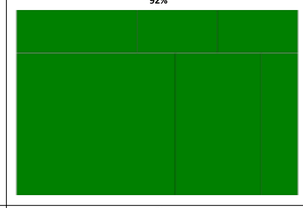
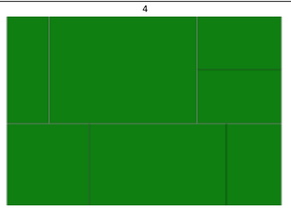
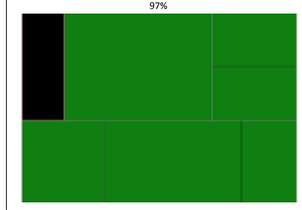
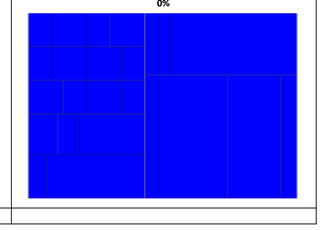
Name	Verdict	Assessment	Overall Score	Problem Solving		Design				Coding							Testing					
				Understood the core problem	Program meets requirements	Overall	Communicative	Simple	Flexible	# of Classes	Total Code Size	Code Smells in the code	Longest Method	Cyclomatic Complexity	NPath Complexity	Fan-Out Complexity	Knowledge of xUnit	Quality of Unit Test	# of Tests	Total Code Size	Longest Test Method	Test Coverage
Student 1	**No Improvement**	**Pre**	**Poor**	No	No Rounding logic does not work Taxes are hard-coded Import duty and Sales Tax are treated differently	Poor	No	No	No	7	117	Magic Numbers Indecent Exposure Long Method Conditional Complexity Comments Duplication Oddball Solution	21 (>10 - Watch Out)	**11** 	30 (>25 - Blindly Delete It)	6 (<=5 - Good)	Basic	Below Average	3	203	23 (>20 - Scary)	**98%** 
		Post	Poor	Not at all	No Did not understand the problem at all Program is taking wrong inputs	Poor	No	No	No	2	21	Indecent Exposure	6 (<=10 - Good)	5 	4 (<=5 - Good)	2 (<=5 - Good)	Basic	Below Average	1	17	4 (<=10 - Good)	95% 
Student 2	**No Improvements**	**Pre**	**Poor**	Not at all	No Incorrect rounding logic Exempted items should have been computed at run time	Below Average	Needs Improvement	Needs Improvement	No	3	45	Magic Numbers Indecent Exposure Lazy Class Feature Envy	6 (<=10 - Good)	**2** 	2 (<=5 - Good)	2 (<=5 - Good)	Basic	Good	1	49	6 (<=10 - Good)	**99%** 
		Post	Poor Student 2 and 3's solution seems to be copy of each other	No	No Program does not take the calendars of the meeting participants as input	Below Average	Confusing	No	No	1	50	Magic Numbers Long Method	15 (>10 - Watch Out)	5 	6 (<=5 - Good)	2 (<=5 - Good)	Basic	Average	5	48	5 (<=10 - Good)	92% 
Student 3	**Some Improvements on the Unit Testing front**	**Pre**	**Below Average**	Yes	Partially Rounding Logic missing	Below Average	Confusing	Over Engineered	Half-baked	8	131	Long Method Speculative Generality Feature Envy Inappropriate Intimacy Duplication Data Class Oddball Solution	12 (>10 - Watch Out)	**2** 	2 (<=5 - Good)	3 (<=5 - Good)	Basic	Below Average	3	90	21 (>10 - Watch Out)	**95%** 
		Post	Poor Student 2 and 3's solution seems to be copy of each other	No	No Program does not take the calendars of the meeting participants as input	Below Average	Confusing	No	No	2	61	Magic Numbers Long Method	14 (>10 - Watch Out)	5 	6 (<=5 - Good)	3 (<=5 - Good)	Average	Average	5	55	5 (<=10 - Good)	97% 
Student 4	**Good improvement on the unit testing side and problem solving side.**	**Pre**	**Poor**	No	No Rounding logic not implemented Taxes are hard-coded Exempted items should have been computed at run time	Poor Over Complicated	No	No	No	14	149	Magic Numbers Dead Code Indecent Exposure Lazy Classes Data Classes Speculative Generality Duplicate Code Switch Smell	4 (<=10 - Good)	5 	4 (<=5 - Good)	4 (<=5 - Good)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%** 
		Post	Average	Yes	Yes	Average	Needs Improvement	Needs Improvement	No	4	98	Dead Code Long Method Lazy class Temporary variable Conditional Complexity	11 (<=10 - Good)	6 	4 (<=5 - Good)	3 (<=5 - Good)	Good	Above average	13	159	19 (>10 - Watch Out)	93% 
Student 5	**Small improvements on the unit testing front, but on the code**	**Pre**	**Poor**	No	No Rounding logic implemented, but exempted items should have been computed at run time	Poor	No	No	No	4	117	Magic Numbers Long Method Comments Dead Code Speculative Generality Lazy Class	19 (>10 - Watch Out)	**4** 	4 (<=5 - Good)	3 (<=5 - Good)	Basic	Poor	1	47	9 (<=10 - Good)	**89%** 

Name	Verdict	Assessment	Overall Score	Problem Solving		Design				Coding							Testing					
				Understood the core problem	Program meets requirements	Overall	Communicative	Simple	Flexible	# of Classes	Total Code Size	Code Smells in the code	Longest Method	Cyclomatic Complexity	NPath Complexity	Fan-Out Complexity	Knowledge of xUnit	Quality of Unit Test	# of Tests	Total Code Size	Longest Test Method	Test Coverage
Student 5	but on the code side, things seems to be worse than before.	**Post**	Below Average	No	No Supposed to give end time and end date as input	Below Average	No	No	No	2	88	Magic Numbers Indecent Exposure Long Method Conditional Complexity	11 (<=10 - Good)	10	24 (>10 - Danger)	4 (<=5 - Good)	Good	Basic	6	64	24 (>20 - Scary)	97%
Student 6	**Quality of unit tests have improved. Small improvements on the design front as well.**	**Pre**	**Below Average**	Yes	No Rounding logic not working Taxes and Exempted items are hard coded	Poor	No	No	No	6	96	Magic Numbers Dead Code Long Method Data Class Duplication	11 (<=10 - Good)	**3**	4 (<=5 - Good)	4 (<=5 - Good)	Basic	Below Average	1	56	16 (>10 - Watch Out)	**100%**
		Post	Average	Yes	Yes. But the solution is not extensible. One will have to give data for all future dates then only it will work	Average	Yes	somewhat	No	3	54	Magic Numbers Dead Code Indecent Exposure Long Method Conditional Complexity	12 (>10 - Watch Out)	7	8 (>5 - Watch Out)	3 (<=5 - Good)	Good	Good	5	124	19 (>10 - Watch Out)	99%
Student 7	**Quality of unit tests have improved, but code is still quite complex and hard to understand.**	**Pre**	**Poor**	Yes	No Rounding logic is wrong Taxes and Exempted items are hard-coded	Poor	No	No	No	6	144	Magic Numbers Large Class Long Method Conditional Complexity Duplication Speculative Generality	23 (>10 - Watch Out)	**10**	27 (>25 - Blindly Delete It)	6 (<=5 - Good)	None	Poor	1	13	5 (<=10 - Good)	**86%**
		Post	Below Average	Yes	Yes. But the solution is not extensible. One will have to give data for all future dates then only it will work	Poor	No	No	No	2	62	Magic Numbers Long Method Conditional Complexity	27 (>25 - Scary)	10	145 (>25 - Blindly Delete It)	4 (<=5 - Good)	Good	Average	4	86	24 (>20 - Scary)	100%
Student 8	**Good improvement on the unit testing front. Small improvements on the design and code level.**	**Pre**	**Poor**	Yes	No Rounding Logic does not work Taxes and exempted items are hard-coded	Poor	No	No	No	6	63	Magic Numbers Long Method Comments Data Class Dead Code Speculative Generality	19 (>10 - Watch Out)	**4**	5 (<=5 - Good)	4 (<=5 - Good)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%**
		Post	Average	Yes	Partially. Will not work if the calendar of all participants are empty	Average	Needs Improvement	Needs Improvement	Needs Improvement	3	92	Magic Numbers Dead Code Long method duplication Dead Code	10 (<=10 - Good)	5	6 (<=5 - Good)	0 (<=5 - Good)	Good	Good	8	49	4 (<=10 - Good)	96%
Student 9	**Good improvement on the design, code and test front. Need to work on the problem solving skills.**	**Pre**	**Poor**	No	No No Rounding Logic Import Duty is always applied	Complicated	No	No	No	15	201	Magic Numbers Long Method Lazy Classes	14 (>10 - Watch Out)	**2**	2 (<=5 - Good)	9 (>7 - Scary)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%**
		Post	Below Average	No	No Meeting assistant should return date and time. it takes only two participants as input The program runs just for the target date hence the implementation is incorrect	Below Average	Yes	Yes	yes	2	28	None	4 (<=10 - Good)	3	2 (<=5 - Good)	0 (<=5 - Good)	Good	Good	5	43	11 (<=10 - Good)	98%
Student 10	**Good improvement on the design, code and test**	**Pre**	**Poor**	Yes	No Rounding Logic does not work Taxes and exempted items are hard-coded	Poor	No	No	No	2	69	Magic Numbers Long Method Conditional Complexity	30 (>25 - Scary)	**8**	33 (>25 - Blindly Delete It)	2 (<=5 - Good)	Poor	Poor	1	25	16 (>10 - Watch Out)	**69%**

Name	Verdict	Assessment	Overall Score	Problem Solving		Design				Coding							Testing					
				Understood the core problem	Program meets requirements	Overall	Communicative	Simple	Flexible	# of Classes	Total Code Size	Code Smells in the code	Longest Method	Cyclomatic Complexity	NPath Complexity	Fan-Out Complexity	Knowledge of xUnit	Quality of Unit Test	# of Tests	Total Code Size	Longest Test Method	Test Coverage
Student 10	**front. Need to work on the problem solving skills.**	**Post**	Below Average	No	No The input should be date and time. Meeting assistant should return date and time. Takes only 2 participant as input the implementation is incorrect	Below Average	Needs Improvement	Needs Improvement	Yes	2	18	Indecent Exposure Dead Code	5 (<=10 - Good)	3	9 (>7 - Scary)	2 (<=5 - Good)	Good	Good	4	51	5 (<=10 - Good)	92%
Student 11	**Good improvement on the unit testing front, but need to focus on design and coding skills.**	**Pre**	**Poor**	No	No Rounding Logic missing Tax calculation is done on quantity instead of cost	Poor	Impossible to understand	Over Engineered	No	7	175	Magic Numbers Indecent Exposure Long Method Switch Smell Black Sheep Data Class	24 (>10 - Watch Out)	**5**	5 (<=5 - Good)	9 (>7 - Scary)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%**
		Post	Average	No	Partially The input takes only 2 participants	Below Average	Yes	Needs Improvement	Needs Improvement	3	45	Long Method Dead Code Conditional Complexity	11 (<=10 - Good)	8	6 (<=5 - Good)	2 (<=5 - Good)	Good	Good	3	60	22 (>20 - Scary)	90%
Student 12	**Good improvement on problem solving and unit testings skills. Need more improvement on the design and code level.**	**Pre**	**Below Average**	Yes	Partially Rounding Logic is correct but was missed out in 1 place	Below Average	Difficult to understand	No	No	5	78	Magic Numbers Long Method Black Sheep Oddball Solution Duplicate Code Inappropriate Name	12 (>10 - Watch Out)	**4**	4 (<=5 - Good)	3 (<=5 - Good)	Basic	Average	1	27	8 (<=10 - Good)	**98%**
		Post	Above Average	Yes	Yes	Above Average	Yes	Needs Improvement	Needs Improvement	3	43	Long Method Comments Dead code Lazy class	12 (>10 - Watch Out)	5	8 (>5 - Watch Out)	0 (<=5 - Good)	Good	Good	4	52	7 (<=10 - Good)	96%
Student 13	**Overall Good Improvement**	**Pre**	**Below Average**	No	No Rounding Logic is wrong Instead of computing exempted items, it is defined by the user Taxes and Exempted items are hard-coded	Poor	No	No	No	5	99	Magic Numbers Duplicate Code Data Class Oddball Solution Primitive Obsession	6 (<=10 - Good)	**3**	2 (<=5 - Good)	3 (<=5 - Good)	Basic	Below Average	3	124	14 (>10 - Watch Out)	**97%**
		Post	Good	Yes	Yes	Good	Yes	Needs Improvement	Yes	2	41	Conditional Complexity	8 (<=10 - Good)	6	6 (<=5 - Good)	0 (<=5 - Good)	Good	Very Good	8	81	4 (<=10 - Good)	100%
Student 14	**No Improvement**	**Pre**	**Average**	Yes	No Rounding logic is wrong Taxes and Exempted items are hard-coded	Average	Could improve	Mostly	Needs Improvement	3	83	Data Class Duplicate Code	9 (<=10 - Good)	**3**	4 (<=5 - Good)	3 (<=5 - Good)	Fluent	Good	4	154	11 (<=10 - Good)	**98%**
		Post	Below Average	No	No Supposed to take end time as input Supposed to take multiple participants in input	Below Average	Needs Improvement	Needs Improvement	Needs Improvement	3	53	Conditional Complexity Lazy class	7 (<=10 - Good)	9	18 (>10 - Danger)	3 (<=5 - Good)	Average	Average	3	76	12 (>10 - Watch Out)	95%
Student 15	**Quality of Unit Tests have gone up. Problem solving, design**	**Pre**	**Below Average**	Yes	No Rounding logic is wrong Taxes and Exempted items are hard-coded	Below Average	Hard to understand	Over Engineered	No	7	115	Magic Numbers Indecent Exposure Inappropriate Naming Data Class Duplicate Code Dead Code	8 (<=10 - Good)	**3**	4 (<=5 - Good)	6 (<=5 - Good)	Fluent	Good	1	112	15 (>10 - Watch Out)	**83%**

Name	Verdict	Assessment	Overall Score	Problem Solving		Design				Coding							Testing					
				Understood the core problem	Program meets requirements	Overall	Communicative	Simple	Flexible	# of Classes	Total Code Size	Code Smells in the code	Longest Method	Cyclomatic Complexity	NPath Complexity	Fan-Out Complexity	Knowledge of xUnit	Quality of Unit Test	# of Tests	Total Code Size	Longest Test Method	Test Coverage
Student 15	**solving, design and coding needs improvement**	**Post**	**Good**	Yes	Partially Correct. The meeting can be scheduled on any day and any hour before end date and hour. In this solution the end hour has been treated as a cutoff hour on all days prior to end date	Good	Yes	Needs Improvement	Needs Improvement	5	74	Dead Code Lazy Class	8 (<=10 - Good)	5 	4 (<=5 - Good)	3 (<=5 - Good)	Fluent	Good	6	59	8 (<=10 - Good)	95% 
Student 16	**Good improvement on unit testing side**	**Pre**	**Poor**	No	No Incomplete Solution	Poor	No	No	No	3	70	Dead Code Long Method Inappropriate Naming	18 (>10 - Watch Out)	**3** 	4 (<=5 - Good)	7 (>5 - Watch Out)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%** 
		Post	Average	Yes	Yes. But the solution is not extensible. One will have to give data for all future dates then only it will work	Average	Needs Improvement	No	No	4	101	Long Method Inappropriate Naming Duplication	11 (<=10 - Good)	5 	4 (<=5 - Good)	5 (<=5 - Good)	Good	Average	6	162	13 (>10 - Watch Out)	99% 
Student 17	**Some improvement on the design side, but coding and unit testing needs improvement**	**Pre**	**Below Average**	Yes	No Rounding Logic is wrong Taxes and Exempted items are hard-coded	Below Average	No	No	No	4	51	Magic Numbers Long Method Duplicate Code Primitive Obsession	13 (>10 - Watch Out)	**3** 	4 (<=5 - Good)	2 (<=5 - Good)	Basic	Below Average	2	48	13 (>10 - Watch Out)	**92%** 
		Post	Average	Yes	Partially Supposed to return date as output but returning only hour	Average	Yes	Needs Improvement	Needs Improvement	4	43	Dead Code Lazy Class	7 (<=10 - Good)	4 	3 (<=5 - Good)	2 (<=5 - Good)	Average	Poor. Many use cases not covered	2	45	13 (>10 - Watch Out)	97% 
Student 18		**Pre**	**Poor**	Partially	No Rounding Logic is missing Taxes and Exempted items are hard-coded	Below Average	No	No	No	4	148	Magic Numbers Large Class Long Method Conditional Complexity Data Class Switch Smell	26 (>10 - Watch Out)	**12** 	36 (>25 - Blindly Delete It)	4 (<=5 - Good)	None	Zero Code Coverage.	0	0	0 (<=10 - Good)	**0%** 
		Post	**Did not submit**																			