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COMP 330/474 001

12/11/2021

T5 - Requirements Traceability, Project Metrics, and Meeting Notes

Table 1. Requirements Traceability

Identifier	Requirement Number	Project Objective	Requirement Description	Use Cases	Progress	Design Class from Diagrams and Code	Key Methods from Diagrams and Code
Req 1	1.1-1.5	Power On-Off	Users may turn the thermometer on and off.	PerformPowerOnOff and PerformSelfTest	Finished	ThermometerSystem	mainMenu(), turnOnOff()
Req 2	2.1-2.6	Self-Test	ThermometerSystem performs a self-test when it is first turned on to check for battery power and sensor responding.	PerformPowerOnOff and PerformSelfTest	Finished	Thermometer	selfTest()
Req 3	3.1-3.7	Measure Temperature	ThermometerSystem displays measured temperature recording.	MeasureTemperature and CalculateFever	Finished	ThermometerSystem	printScreen()
Req 4	4.1-4.6	Fever Calculation	ThermometerSystem calculates if the user has a fever.	MeasureTemperature and CalculateFever	Finished	ThermometerSystem	measureTemp()
Req 5	5.1-5.3	Temperature Log	Users may view a log of the temperatures.	AccessTemperatureLog and AccessMainMenu	Finished	TempLog, ThermometerSystem	getTemps(), convertTemp()
Req 6	6.1-6.3	Inactivity Timer	ThermometerSystem shall turn off after thirty seconds of inactivity.	ShutdownDueToInactivity	Finished	ThermometerSystem	setInactivityTimer()

Table 2. Metrics

Metrics	Count
Bugs Found in Documents and Reviews (T3 and T4)	7
Requirements	30
Classes	4
Methods	16
Team Meetings	6

Table 3. Meeting Notes

Team Meeting	Date	Start	End	Meeting Method	Attendance	Key Topic Discussed	Next Steps	Roles
1	11/22/2021	4:00 PM	5:30 PM	Zoom	Everyone	Discussed the requirements, classes, and methods for the class diagram. We also drafted a complete class diagram together and checked that all of the requirements we had previously made were incorporated.	Post the complete class diagram and update it based on class or professor feedback.	The team made the diagram together. Amshah posted the diagram on the forum and edited the diagram while sharing screens on Zoom. Everyone gave input for methods and classes that should be included.
2	11/29/2021	4:15 PM	5:00 PM	Zoom	Everyone	Worked on the class diagram after reading Dr. Honig's feedback on the forum	Email Dr. Honig regarding confusion on the facade class and amount of total classes that should	Everyone worked on the class diagram together as Sawyer edited it. We drafted the email to the professor, and Sawyer wrote the email and sent it.

							be included.	
3	12/3/2021	6:00 PM	7:10 PM	Zoom	Everyone	Finalized the complete UML Class Diagram based on the professor's feedback from our email. Everyone worked on the sequene diagram and was assigned roles for the final T5 assignment.	Work on indivudual assignments for the final T5 deilverable.	Logan and Sawyer - finish sequence diagram. Kyle, Nea, and Sawyer - plan classes and methods to start coding. Amshah - edit use cases and start the presentation.
4	12/6/2021	4:00 PM	5:30 PM	Zoom	Everyone	Individuals presented the work they had done so far. Kyle and Nea showed the first version of the code with no main menu. Alvaro showed his first version of the main menu. Logan and Sawyer showed the sequence diagram. Amshah showed the presentation, including everyone's roles. We all gave input to revisions for the code and diagrams.	To make the classes in the implementation more like the Sudoku example and work on the presentation.	The presentation was divided into individual roles and who will present which topic. Introduction and Purpose - Nea Complete Class Diagram - Logan, Sawyer Sequence Diagram for Measure Temperature Use Case - Logan, Sawyer Code Implementation - Alvaro, Kyle Code Metrics and Test Results - Nea, Kyle Traceability for Requirements - Amshah Project Metrics - Amshah Closing Thoughts - All
5	12/10/2021	4:00 PM	5:45 PM	Zoom	Everyone	We worked on editing the implmentation for measuring temperature. Alvaro edited errors in the code. Sawyer showed the revised sequence diagram. Amshah went over traceability and metrics.	Everyone should finish their work and presentation slide by Sunday night. Monday we will meet again to turn the work in, and we will present Tuesday.	Everyone had to edit their slides.

6	12/13/2021	5:30 PM	6:15 PM	Zoom	Everyone	We went over the presentation and made sure everyone knows their parts. We checked the code, diagrams, use cases, and requirements again for consistency.	Everyone should be ready to present for Tuesday.	Everyone worked on their specific topic slide.