

Multimedia Services : Sprint retrospective 2

Group BeNine
TI2316 Context Project

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Sprint 2 reflection

Notes

Note	Description
1.	Test coverage is low and should be increased.
2.	The paragraph written itself is short, but there was communication with the client (Alessio) involved in creating it.
3.	The architecture is updated, but due to a last minute change it is no longer accurate. Due to browser domain security restrictions, the communication between the web application and back-end will be done using NodeJS as a bridge between the view and server model.
4.	The new web application design is pinned on Slack.
5.	Due to the high amount of dependency between tasks (database – > api – > preset interface), this task had to be done late. When implementation was possible, we found out our current idea of browser – > backend communication is not feasible due to browser restrictions. Instead automatic generation of preset and camera area was added, so the presets can be easily added if the backend communication issue is resolved.
6.	Jochem implemented this directly when working on the web interface, because automatically generating the presets made it possible to add a stream with a single line of code.
7.	MySQL needs to be installed on the system, log in credentials should be added to the config file.
8.	The module used for camera control was changed after a discussion in a pull request.
9.	Partially done by Ege while creating the database, but still missing integration with the rest of the system.

Main Problems Encountered

Problem 1

Description: The defined tasks were too dependent on each other, causing team members to be waiting for parts of code written by other team members.

Reaction: It would be better to assign the same person these depending tasks or make clear agreements on how this should be handled, might tasks become dependent on each other.

Problem 2

Description: Development tools such as Checkstyle, PMD and Findbugs were not always run by all team members responding to pull requests allowing messy code in the development branch.

Reaction: Team members should be more careful and run these tools locally before opening a pull request. Also, code under review should only be pulled into the development branch if the amount of warnings given by these tools are low.

User Story	Task	Responsible	Estimated effort*	Actual effort*	Done	Notes
User Story 1	Write subsection about target customer	Naomi	1	1	Y	
	Clearly describe features and selling point	Naomi	1	2	Y	
	Write subsection about new intelligent preset plan	Jochem	3	2	Y	2.
	Update road map and backlog according to new plan	Bryan	2	1	Y	
	Update user stories according to book	Bryan	2	1	Y	
	Update Architecture according to new plan	Jochem	2	1	Y	3.
User Story 2	Remove HTTP logging to console from camera module	Bryan	1	3	Y	
	Logger update to enable console logging for debugging	Dorian	2	3	Y	
User Story 3	Redesign front-end user interface	Jochem	2	2	Y	4.
	Implement camera control button jQuery into front-end user interface	Naomi	4	3	Y	8.
	Implement camera control button style into front-end user interface	Naomi	3	4	Y	
	Implement getting camera presets into front-end user interface	Jochem	4	8	N	5.
	Implement live view of camera into front-end user interface	Bryan	2	-	Y	6.
	Implement NodeJS config file to store backend ip	Jochem	2	2	Y	
	Create HTTP endpoints for client connection	Dorian	4	8	Y	1.
	Create JSON creator class specifying what to send to the client	Dorian	4	2	Y	
User Story 4	Database auto start and creation on program start-up	Ege	3	3	Y	
	Enabling database connection	Ege	3	3	Y	7.
	Mocking database for testing purposes	Ege	4	3	Y	
	Extend Preset class to store presets	Naomi	3	1	N	9.
	Save and retrieve presets into database	Ege	3	3	Y	
	Retrieve presets via HTTP endpoint	Dorian	4	2	Y	
User Story 5	Restructure and remove external jars	Dorian	2	1	Y	
	Fix config reader regular expressions	Naomi	1	2	Y	
User Story 6	Camera module test improvements	Bryan	2	2	Y	
	Camera handler class creation	Bryan	4	7	Y	

* The estimated effort is measured in hours.

Adjustments for next Sprint

- The architecture will be changed to comply with the browser security issue described in note 5.
- Tasks should be less dependent on each other, or if tasks are too dependent, clear agreements should be made about who has to finish which part in which time frame.
- The team sometimes forgets running Checkstyle, PMD and Findbugs in pull requests. This should always be done before pulling a branch into the develop branch.