Sprint Retrospective Document

Date: 24/04/2019

Project acronym: COW

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Sprint 8 summary:

Item ID	Workpackage ID (from the Kick-off doc)	Status	Description
17	WP5	In progress	Creating event scheduling Description: Implementing empty schedule addition to courses and bulk modification of them when the overall schedule is decided upon. Finalizing and testing scheduling entities. Problems faced: Scheduler code is dependent on the library code, which was buggy at some places. Besides, some parts of the scheduler code were not written according to the library code as well. Solutions found: Library code modified, as well as scheduler implementation modified as needed. Conclusion: Scheduler back end is very close to be finished, only testing and debugging remained.

20	WP6	In progress	Create back-end newsgroup module Description: We have created a component for pulling and pushing newsgroup entities from/to NNTP to/from our newsgroup however we lack a generic backend for our front-end services to communicate to Problems faced: Our library implementation was not providing MongoDB specific field indicating document id for populated documents, however it was provided in the queried result. This has been causing the compilation to fail. Solutions found: I have manually created interfaces to overwrite returned interfaces from library component to prevent this issue. Conclusion: We currently have a component to link different strategies for newsgroup integration and serve to front-end. However we still need to validate it's logic.
22	WP5	Complete	Implement a notifier interface for scheduler Description: The scheduler shall support importing and exporting mechanisms. After the schedule is imported and modified the new schedule shall be presented. Problems faced: There must be a collision summary report that is interactive and dynamically connected to the table. In addition, the scheduler shall also allow searching for empty rooms. Solutions found: To show collisions a collision summary list linked to the related table cells is developed. A searching by room and week feature is added to help user identify the empty room at the desired time.

			Conclusion: The notifier interface is ready where the user can search and create events as needed.
23	WP5	Complete	Develop a colorful input preferences interface for teachers Description: The teacher preferences of times need to be entered before scheduling courses and events. Problems faced: The table shall contain input fields that are clickable and changes value after being clicked. Solutions found: The usage on multiple event listeners has made building such feature possible. In addition to multiple selection mechanism. Conclusion: The teacher preferences table is ready and usable after being approved by the instructor.
26	WP6	Complete	Create front-end integration for scheduling Description: We have nearly completed scheduling back-end services and front-end designs, however they need integration and testing. Problems faced: We have created a new entity in the back-end of a new service that is not in scope of core. While creating integrations we have realized that the implementation in our library for MongoDB collections couldn't support linking entities inside different databases.

			Solutions found: We have merged different databases into one database by prepending the backend service name to collection name, therefore eliminating practical access to different services' data and fix the given bugs in the library. Conclusion: We have now a nearly complete integrated scheduling solution to be shipped in our infrastructure. Next step is to complete the integration and deploy the scheduler to the cluster.
27	WP2	In progress	Develop notification endpoint Description: We proposed a feature in the simple CMS and it is the notifications which allows people to to be informed about the events related to their subscriptions. The implementation of the back-end is started. Problems faced: Since the project is getting larger, it is getting more complicated to use some modules and notifications endpoint should interact with the user's roles over an entity, injections that are specified and also the database. Solutions found: Pair programming might be the solution. Conclusion: Since we began implementation, we hope to finish it before the midterm.

Sprint 9 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
17	WP5	Creating event scheduling	Leftover from Sprint 8
22	WP2	Finish implementation of the notifications endpoint	Leftover from Sprint 8
26	WP6	Create back-end newsgroup module	Leftover from Sprint 8
28	WP2	Create error, loading and not found pages.	New
29	WP5	Update the interface of scheduler for empty events and multiple room.	New
30	WP5	Create front-end integrations for one-time event scheduling.	New

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9
MF1	5%	60%	80%	85%	85%	85%	90%	90%	90%
MF2	0%	30%	50%	60%	60%	75%	75%	75%	75%
MF3	10%	35%	40%	55%	55%	60%	70%	75%	75%
MF4	0%	0%	0%	0%	0%	5%	20%	35%	60%
MF5	5%	5%	5%	5%	5%	10%	25%	40%	65%
MF6	0%	0%	0%	0%	0%	0%	0%	0%	0%
MF7	10%	10%	20%	45%	45%	55%	60%	70%	70%
MF8	0%	10%	10%	10%	10%	20%	35%	35%	35%
MF9	20%	30%	30%	40%	40%	50%	50%	55%	55%
MF10	0%	0%	0%	15%	15%	20%	35%	55%	55%
MF11	0%	10%	50%	70%	70%	70%	75%	75%	75%
MF12	0%	0%	0%	0%	0%	0%	0%	0%	0%
MF13	0%	0%	0%	0%	0%	0%	0%	0%	0%
MF14	0%	0%	0%	0%	0%	0%	0%	0%	0%