Sprint Retrospective Document

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Project acronym: COW

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Sprint 4 summary:

Item ID	Workpackage ID (from the Kick-off doc)	Status	Description
1	WP2	Complete	**- Do research and create simple user authentication and role management** problems faced: Due to the lack of my (Idil) knowledge and experience on Typescript & Mongodb, as well as side tools like Postman, It took me some time to get it all right actions taken: I got help from friends, did research and tested conclusion: user authentication and authorization functionality

			implementations are completed.
3	WP4	Not started	- **Create a global search service for different indexable entities:** Problems: After revision the global search is considered by itself another WP and It is not part of WP2 anymore. Solutions: this task is moved into the related sprint.
9	WP2	In progress	**- Implementing course creation:** Description: Courses should be created on the website in order to be used. That is why we implemented CRUD operations for courses. Now, a course can be created, read, updated and deleted by the help of MongoDB. Problems faced: We had some problems while implementing update because our instructor entity had courses attribute, it was conflicting. Actions taken: We brainstormed on how to solve this problem. Solutions found: We deleted the courses attribute from the instructor entity and reached instructors from the course entity. Conclusion: We solved the issue and now course creation is completed.
10	WP2	In progress	**- Editable table creation and updates:**

			Description:
			This feature has been implemented in both the syllabus and the grade view sections. Where the teachers are able to update the outline of the courses from their own interface and from the parsing syllabus interface.
			Problems faced:
			The editable tables have been dependent on editable jQuery library. There is a need for indexable table with filters which resulted in more overhead in the back-end side.
			Actions taken: We have implemented the full editable tables with search and exporting capabilities.
			Solutions found: The editable tables are full functioning on the front-end side but lacks the connecting logic with the back-end assets.
			Conclusion: This important feature is yet to be finished in the next sprint. A total focus on the back-end side is required.
11	WP3	Complete	**- Creating backend APIs for syllabus service with the related interface:** Description: we have created a syllabus parsing tool however backend integration towards the fields that were created according to the endpoint's data Problems faced: I wasn't able to test my changes due to having master branch broken by some other not thoroughly tested change and wasn't able to deploy a branch to production.

			Actions taken: I have modified fields on both backend and frontend repositories and tested them on both my local machine and production system Solutions found: I have fixed the broken changes on master and I have extended the CI pipeline to produce correct docker images for both frontend and backend systems. Conclusion: we had to make some changes to core systems however our deployment was not automated enough to handle changes on different branches, now we shall be able to create more progress with less conflict
12	WP2	Not Started	**- Notification service development:** Description: We are suposed to build a notification system for the CMS implemented. Problems faced: The research and technologies required to build this features were not feaseable in this spring Conclusion: We have decided to do this task in the next sprint so all its requirements could be met prefectly.
13	WP2	Not Started	**- Creating admin view for role assignments:** Description: The admin view are not yet ready since it has other dependencies on the authentication which have been completed in this sprint.

			Conclusion: This issue is now manageable and duable after the progress made in this sprint.

Sprint 5 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
3	WP4	Create a global search service for different indexable entities	Leftover from Sprint 4
9	WP2	Implementing course creation	Leftover from Sprint 4
10	WP2	Editable table creation and updates	Leftover from Sprint 4
12	WP2	Notification service development	Leftover from Sprint 4
13	WP2	Creating admin view for role assignments	Leftover from Sprint 4
14	WP2	Update full CMS design	New
15	WP2	Create dependency injection strategies on CMS	New
16	WP2	Create delete command for cluster	New

Overall progress

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