Sprint Retrospective week 6 (Iteration #3)

User story	***Task***	***Assignee***	***Estimated effort***	***Actual effort***	***Done***	***Notes***
Refactor the Activity class	Separate the trainings from competitions through inheritance directly in the Activity microservice instead of using a boolean attribute in Matching, create separate tables, refactor tests	Adomas and Madalina	10h	11h	no	Many problems have arisen regarding the communication with other microservices after this change, and the deadline was too close to finish, including testing
Complete ReadMe file	Write the description of each microservice including usage steps	all	30 min pp	30 min pp	yes	
Complete integration testing in Postman	Create a document showing correct functioning of the system with Postman requests	all	30 min pp	30 min pp	yes	
Authentication on the microservice side.	Refactor example authentication package in each microservice	Mitchell	2h	1.5h	yes	The package was already quite compact and less could be changed then expected.

Test Authentication	Complete the testing for the Authentication service	Mitchell	2h	3h	yes	Satisfactory test coverage has been achieved. Most of the testing was already implemented while coding in previous sprints.
User data is validated	Implement chain-of-responsibility validation for user data given by client	Eigard	8h	8h	yes	Design pattern is functional, lead to much more testable code.
Increase test coverage user micro-service	Achieve 80% branch coverage and general test coverage of user micro-service	Eigard	10h	10h	yes	All logical flows in the program are covered by tests, using mockmvc for the controllers. Additional integration testing performed with postman.
Fully test the matching micro-service	Achieve at least 80% branch coverage and general test coverage of the matching micro-service	Diana Lucian	10h	10h	yes	Test all the classes of the matching microservice and do boundary testing where it is needed. Add additional testing with postman to ensure integration of the matching microservice within the created software product.

Wire microservices together	Check the endpoints and the requests from each service and make sure that the requests are sent where they should. Also made sure that attribute names were the same for communication so that serialisation works properly.	Diana Lucian	10h	10h	yes	Many problems arose from the fact that attribute names were not identical across microservices and also that requests were not sent where they should have been.
Fix bugs	Fixed issues with the certificate handler and the time constraint handler	Lucian Diana	5h	5h	yes	Also fixed all arisen bugs in separate merge requests, making sure that the final merge in main is fully functional
Add certificate endpoint	Created an endpoint which allows adding a new certificate to the repository. Also added the base certificate “C4”, “4+”, “8+” to the database each time the server starts.	Diana	1h	45m	yes	Used a CommandLineRunner in order to automatically add the certificates given in the ‘Rowing’ scenario in the corresponding order of importance.
Publishers shall be able to cancel activities	Add functionality for deleting an activity.	Adomas	8h	6h	yes	
Publishers shall be able to edit activities.	Add functionality for updating an activity.	Adomas	4h	4h	yes	

Users shall not be able to edit/cancel other users' activities.	-	Adomas	-	-	yes	Done with the above issues.
-	Add integration testing and improve the unit testing suite for the activities microservice	Adomas	3h	5h	yes	