

Context Project: Multimedia Services		Reflection on Iteration #6						
Group: 1								5-6-2015
User Story	Issue #	Summary	Assignee	Estimated Effort	Actual effort	Done		Notes
				Storypoints (1 sp ~ 2 hours)	Hours	Y/N	By	
As a User, I want the system to play the next song after the previous song is finished.	Frontend-32	When a song is finished play the next song.	Eva	2	5	Y	Eva	
	Core-94	Improve room instance.	Jaap	3	15	Y	Jaap, Tim, Jan-Willem	The changes were so fundamental that it required multiple developers to contribute to in order to produce a solid working feature.
	Frontend-39	Synchronize the music with the room.	Eva	2	10	N	Eva	The current song from ngaudio doesn't work, and gives errors. I have been stuck on this for way to long.
As a developer I want to have a K-nearest neighbour implementation to recommend rooms to users.	Core-48	Implement k-nearest neighbours.	Gijs	2	5	N		Gijs researched 6 different solutions and after quick analysis of each and every solution, we decided Rtrees were the way to go. He started working on implementing Rtrees, which was delayed due to Hibernate Spatial integration.
	Core-112	Design a datastructure (KD-tree) to cope with scaling.	Gijs	6	18	Y	Gijs	
As a user I want to see a list of chatmessages.	Core-116	Show more than 10 chat messages.	Jan-Willem	3	6	Y	Jan-Willem	While the story seems small this issue was highly related to the development of room instances, thread pooling and can be considered part of CORE-94
As a user I want to get rewards for classifying a song.	Core-113	Make a user object.	Jan-Willem	2	4	Y	Jan-Willem	User object and tables have been designed and implemented. Sessions and Soundcloud OAuth still have to be implemented (but was not part of this issue)
	Frontend-49	Create a page where a user can classify snippets of unclassified songs.	Tim	5	10	Y	Tim	
	Core-114	Refactor the votes of a room.	Eva	3	0	N		Due to lack of time, because of synchronizing and it was blocked until thursday by room instances.
As a developer I want a good database of songs.	Core-115	Update the database.	Jaap	2	4	Y	Jaap	
As a user I want to visit moodcat.me to view the latest release of MoodCat.	Main-72	Release a new version of the platform and upload this to the webserver.	Jaap	1	2	Y	Jaap/Gijs	Jaap created a deployment script and Gijs also deployed the latest version with this script.
As a developer, I want the Emergent Architecture Design report, to include an up-to-date version of the architecture of the system.	Main-69	List the design patterns already used in the code.	Tim	3	6	Y	Tim	
	Main-70	Explain the frontend in the Emergent Architecture Design Report.	Jan-Willem	3	3	Y	Jan-Willem	
	Main-71	Update the Emergent Architecture Design Report with CORE changes.	Jaap	2	4	Y	Jaap	
As a group member, I want to have a sprint reflection	N/A	Write sprint reflection for this sprint.	Lead by Gijs	1	1	Y	Lead by Gijs	

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	N/A	Write sprint planning for upcoming sprint.	Lead by Gijs	2	2	Y	Lead by Gijs	
As a group, I want to schedule SCRUM meetings at the start of the day (9:00 AM).	N/A	We will have daily SCRUM meetings.	Lead by Gijs	3	3	Y	Lead by Gijs	
As a group, I want to schedule a meeting with the client at the end of the sprint.	N/A	We will have a meeting with our context manager, software engineering teaching assistant and context assistant (our main client).	Lead by Tim	1	1	Y	Lead by Tim	
As a group, I want to schedule a meeting with the client at the end of the sprint.	N/A	We will have a meeting with the Interaction Design teacher to get feedback on our design.	Lead by Gijs	1	1	Y	Lead by Gijs	
As a development team, when a pull-request is submitted, we want to review the changes supplied in order to merge the pull-request.	N/A	Every pull-request will be reviewed by at least 2 group members. They placed comments for code updates and accepted the pull-request when it is ready to be merged.	Lead by Jan-Willem	8	20	Y	Lead by Jan-Willem	Room instances required more feedback and iterations, which increased the review time for this single pull request substantially.
			<b>Total:</b>	<b>55 sp</b>	<b>120</b>			
<b>Notes</b>								
Room-instances appeared to block quite some tickets. We realized this on monday and together we were able to merge this big feature together with various dependants into master on wednesday.								
Due to threading issues, some Travis builds seemingly randomly failed. After restarting most failing builds, they were succeeding. This confused us quite a lot and caused some delay to investigate the situation. In the end we realized it was a mocking issue in the test and after that the tests were all succeeding all the time.								
<b>Testing report:</b>								
Our line coverage hugely increased up to a total 78.8%, which includes the SounCloud package. The SoundCloud package is only run with integration tests which are only ran sporadically in order to verify that the SoundCloud API has not been altered.								
Excluding this package, we obtain a 86.7% line coverage, which meets our personal testing requirement of 80%.								
80% of all our branches are in auto-generated equals- and hashcode-methods. (236 of the total 292 branches). Of the remaining 56 branches, we tested 38 branches. This is 67% branch coverage. (Note: we miss 7 out of 8 branches in an auto-closed try-catch statement. If we would not count those, we would be at 45/56 which is 80% branch coverage.)								