School of Electronics And Computer Science ELEC6050 MEng Group Design Project

Project Specification And Plan

Title: Integrating Matterhorn, Slidecaster and Synote

Supervisor: Mike Wald

Team Members:

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Customer: ETH Zurich, Entwine and TU Vienna

Project Specification:

The project will integrate three leading free and open source learning systems: Matterhorn (a lecture capture and management system co-founded by ETH Zurich & supported by Entwine), Slidecaster (http://lex.iguw.tuwien.ac.at:8888/dashboard-media/img/cheatsheets.pdf a slide annotation system created by the Vienna University of Technology) and Synote (http://www.synote.org an internationally award winning annotation and transcription system developed at ECS that uses state of the art IBM speaker independent server based speech recognition to transcribe lecturers' speech and synchronise it with the lecture audio, video, slides and student notes). Although Synote is open source and freely available, it is not presently used very widely because it does not itself record lectures. Although Matterhorn and Slidecaster are also open source and freely available they are also not currently widely used because they do not offer all the features of commercial systems. Integrating Matterhorn, Slidecaster and Synote will provide a system that provides more features than any commercial systems.

			Week 1		Week2	7	Week 3	k 3	We	Neek 4	We	Week 5	We	Week 6	×	Week 7	>	Week 8		Week 9		Week 10	10	Week 11	د 11	Wee	Week 12
2	Task	Duration (hrs) MT WT F MT WT F	MTWT	F	T W	T F	M T W	MTWTF	MΤV	WT F	MT WT	WT F	MT WT	WT F	_ M	MTWTF		MTWT	F M	MT WT	ч	M T W T F M T W T F	T F	M T W		M T W T	VT F
_	1 Documentation																										
1.1	1.1 Brief (including Gantt Chart)	2																									
1.2	1.2 Final Report																										
1 2	I.3 Presentation	10																									
1.4	1.4 Code Documenting																										
.4	2 Front End																										
2.1	2.1 Design	20																									
2.2	2.2 Settings/Profile	10																									
2.3	2.3 Authentication	10																									
2.4	2.4 Home Page	10																									
2.5	2.5 Annotations	20																									
2.6	2.6 Navigation	10																									
(**)	3 Use Case/Requirements																										
3.7	3.1 Lecturers	10																									
3.2	3.2 Students	10																									
4	4 Back End																										
4.1	4.1 Reading Synote Triple Store	20																									
4.2	4.2 Reading SQL Database																										
4.3	4.3 Authentication	10																									
4.4	4.4 Controller	90																									
47	5 SQL Database																										
5.1	5.1 Schema	10																									
5.2	5.2 Implementation	10																									
9	6 Triple Store																										
6.1	6.1 Learning/Research	20																									
6.2	6.2 Integrate with SQL database																										
6.3	6.3 Deploying	40																									
	7 Testing																										
7.1	7.1 Unit tests	90																									
7.2	7.2 GUI tests	90																									
7.3	7.3 Integration tests	40																									
7.4	7.4 Acceptance tests	10		\dashv													-		-		_						