Draiget 5 - Taamsha	hiz	20									1											% Comp	ete
Project 5 - Team5ba	IUI	50																					
		B4 ***	A 4000 1 1 1		BED. C																	% Incom	plete
CTIVITY	PLAN	PLAN	ACTUAL START	ACTUAL DURATION	PERCENT	E WEEKS																	+
	(WEEK)	(WEEK)	(WEEK)	(WEEK)	(WEEK)	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51			+
hase 1: Start (w37-w39)																							
eviewing Lectures and Literature	37	1	37	1	100%																		+
asic Client-Server Communication	38	1	38	1	100%																		
asic Logger class added to client and server	38	1	38	1	100%																		
etup of YCSB, MongoDb and Mininet	39	1	39	1	100%																		
vestigate openflow protocol, flow-tables and traffic	39	1	39	1	100%																		
MININET																							
Create a simple mininet topology	39	2	39	2	100%																		
CSB Integration, according to YCSB documentation																							
Extend YCSB's DB file	39	1	39	1	100%																		
hase 2: 1st Development Sprint (w40-w42)						37	38	39	40	41	42	43	44	45	46	47	48	49	50	51			
ININET																							
Create a Topology drawing	40	1	40	2	100%																1		
Check Mininet Java Compatibility	40	1	40	1	100%																		
Sniff packet activity in Mininet using Wireshark	40	1	40	1	100%																		
Find a way to copy a file (executable) on the nodes of the topology	40	1	40	1	100%																		
Create topology according to the drawing	40	1	40	1	100%																		
ode Reviews Set up																							
Create am app in coderview.appspot.com	39	1	39	1	100%																		
Code Review setup for every team member	40	1	40	2	100%																		
roject Managment activities																							
Set up process for the team	40	1	40	1	100%																		
Created Trello Board	40	1	40	1	100%																		
Added stories in the trello board	40	1	40	1	100%																		
Created new Gantt chart	40	1	40	1	100%																		
Created common calendar	40	1	40	1	100%																		
Created week progress report	40	1	40	1	100%																		
CSB Integration, according to YCSB documentation																							
YCSB- guide:Test the database layer via terminal.	40-41	1	41	2	100%																_		
YCSB-guide:Compile database inerface layer	40-41	1	41	2	100%																_		
ore-Documentation					1000/									-							-		
efine the format and structure of the DB file	40	1	41	2	100%																+		
/rite a specification document around the KVS internals	40-41	1	40	2	100%		-														-		
ore-KVS Operations			4.1		100%																_		
erform the read and write operation with one dummy file	41	1	41	1	100%		-														-		
erform the read and write operation with the KVS as specified by the specs	41	1	41	1	100%		-					-									-		
ore-Message Boxes			4.1		100%		-														-		
nplement the inbox and the outbox classes	41	1	41	1	100%							-	-	-							-		
nplement the Broadcaster class ore-General Tasks	41	1	41	1	100/8																		
ore-General Tasks nplement the operationRequest class	41	1	11	2	100%																		+
inplement the operationinequest class	41	1	41	2	20070															$\overline{}$			

Preparation of the Midterm presentation	42	1	42	1	100%																		
fix gantt Chart	42	1	42	1	100%																		
fix the project plant	42	1	42	1	100%																		
Midterm Peer Review																							
(Will populate task details as soon us we have details from the TS)	42	1	42	1	100%																		
Phase 3: 2nd Development Sprint(w43-w49) AFTER MIDTERM WORKSHOP						37	38	39	40	41	42	43	44	45	46	47	48	49	50	51			
Core-Master Role: Selection of New Master each dT																							
Implemenation of CounterClass to count (Write_Operations) received from each Client each dT	44	1	45	2	100%																		
Implementation of Delay measurment class on each slave to measure delay between (slave -> client) and Exp Moving Average of RTT	43	1	45	3	100%																		
Implementation of Delay measurment class on the master to measure delay between (master -> client) and use the results to comare it to the cost functions	43	1	45	3	100%																		
Implementation of a class that uses the (Metrics-Core) library and allow us to use it easily for calculating the exponitial moving average on a value or an object.	43	1	46	2	100%																		
Receiver class on master receiving measurement and calculating cost function based on (Write count and RTT values)	43	1	45	3	100%																		
Core-Master Role: Writing received data from (Client_Write_Operations)																							
We changed the size of sent Key-Value data from 1KB into 20 B and when received at Master they are stored on HashMap data structure in Memory [1]	43	1	45	3	100%																		
Implementation of WriterClass to flush the data stored from the HashMap into disk each dT [2]	43	1	45	3	100%																		
Core-Master Role: Transition from Old Master to New Master																							
Master broadcasting a message saying either he is still a master or someone else is the new master	44	2	47	2	70%																		
Master transition from old master to new master(handover)	44	2	47	2	30%																		
Master sending differential updates to other slave nodes every dT	44	2	47	2	100%																		
Client Role: Concurrent Clients																							
Implementation of Client class to make the clients work in parallel on the excuting the workload instead of one client at a time	43	1	45	2	100%																		
Phase 4: Final Presentation Sprint (w50-w51)						37	38	39	40	41	42	43	44	45	46	47	48	49	50	51			
Final Presentation																							
Report Writing																							
Section 1: background and the context for the project	50	2	50	2	0%																		
Section 2: goal of the project	50	2	50	2	0%																		
Section 3: unique contributions of the project	50	2	50	2	0%																		
Section 4: different methods, approaches used	50	2	50	2	0%																		
Section 5: Future Work	50	2	50	2	0%																		
Video preparation	50-51	2	50-51	2	0%																		
Read some part/section from the final report	50	2	50	2	0%																		
Show some of our documentation drawings	50	2	50	2	0%																		
Shoot with a camera video from KTH facilities	50	2	50	2	0%																		
Edit video	50	2	50	2	0%																		
Feedback to the teaching staff																							
Feedback Paragraph on TAs	50	2	50	2	0%																		
Improvement points	50	2	50	2	0%																		
Learning outcomes	50	2	50	2	0%																		
Feedback Paragraph on Dejan	50	2	50	2	0%																		
Poster preparation	50-51	1	50-51	1	0%																		
Prepare poster text	50	2	50	2	0%																		
Prepare poster text Prepare poster artwork	50	2	50	2	0%																		
riepare poster artwork	30	2	30	2	070																1		

- [1] Use Class MultiHashMap.
- [2] Server.