↑ Zhipeng-Chang / CMPUT-401-Winter-2018 Private

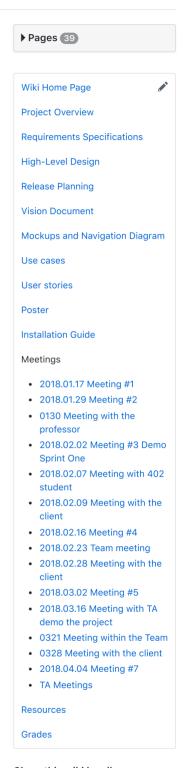
Use cases

yfe3 edited this page on Mar 14 · 18 revisions



Use Case ID	UC-1	Use Case name	Execute the deployer		
Ose Case ID					
Participating Actors	User (Primary) Deployer (Secondary)				
Goal	Initialize	e the deployment proc	eess		
Trigger	User in	voke the smartDeploye	er.sh		
Precondition	User do	ownload the smartDep	loyer.sh to machine		
Postcondition	smartDeployer.sh is executing				
Basic Flow	Start a command window User execute smartDeployer.sh User input the IP address of machines in the cluster				
Exceptions	No network Wrong IP address				
Qualities					
Constraints					
Includes					
Extends					
Related Artifacts	US 02.01.04				
Notes					
Open Issues					

Use Case ID	UC-2	Use Case name	Deploy Cassandra	
OSC GUSC ID	23,233,233,233,333			
Participating Actors		User (Primary) Deployer (Secondary)		
Goal	Automa	tically deploy the Cass	sandra to the system	
Trigger	User rui	n the script		
Precondition	User ha	s the administrative a	ccess	
Postcondition	The Cas	ssandra is installed on	the system	
Basic Flow	 User execute the script User input IP addresses of machines in a cluster System strat install 			
Exceptions	1. No network			
Qualities				
Constraints				
Includes				
Extends				
Related Artifacts	US 02.01.01, US 02.01.02, US 02.01.03			
Notes				
Open Issues				



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https://github.com/Zhiper

Use Case ID	UC-3	Use Case name	Install YCSB
Participating Actors	User (Primary) Deployer (Secondary)		
Goal	Install \	CSB to the system	
Trigger	User ru	n the script	
Precondition	User ha	s the administrative	access
Postcondition	The YC	SB is installed on the	system
Basic Flow	User execute the script User wait for finish		
Exceptions	1. No network		
Qualities			
Constraints			
Includes			
Extends			
Related Artifacts	US 02.01.01, US 02.01.02, US 02.01.03		
Notes			
Open Issues			

Use Case ID	UC-4	Use Case name	Save experiment results	
Participating Actors	User (Primary) Deployer (Secondary)			
Goal	Save th	e YCSB data to a dat	tabase	
Trigger	User ru	n the script to test th	ne Cassandra	
Precondition	User ha	as the administrative	access	
Postcondition	The YS	CB data is saved in t	he database	
Basic Flow	 System output the process in the shell User wait for finish System show the data is saved to database 			
Exceptions	 No network No data available Wrong test setting 			
Qualities				
Constraints				
Includes				
Extends				
Related Artifacts	US 02.01.03			
Notes				
Open Issues				

Use Case ID	UC-5	Use Case name	Choose two experiments	
Participating Actors	User (Primary)			
Goal	Choose the two experiments and show the graphs successfully			
Trigger	User hit the two experiments from the list			
Precondition	User know which experiments will choose			

Postcondition	The two graphes will be shown up
Basic Flow	 System prompts a new web window User choose the two exps System go to the result tag and show the graphes
Exceptions	1. No data exist
Qualities	
Constraints	
Includes	
Extends	
Related Artifacts	US 01.01.01
Notes	
Open Issues	

Use Case ID	UC-6	Use Case name	ViewAboutPage
Participating Actors	User (Primary)		
Goal	User su	uccessfully view the A	About page
Trigger	User hi	t the About button	
Precondition			
Postcondition	About p	page shows up	
Basic Flow	 System displays web User hit the About button System displays the about page 		
Exceptions	1. No n	etwork	
Qualities			
Constraints			
Includes			
Extends			
Related Artifacts	US 01.0	01.02	
Notes			
Open Issues			

Use Case ID	UC-7	Use Case name	ViewHelpPage
Participating Actors	User (Primary)		
Goal	User su	iccessfully view the I	Help page
Trigger	User hit the Help button		
Precondition			
Postcondition	Help page shows up		
Basic Flow	 System displays web User hit the Help button System displays the Help page 		
Exceptions	1. No network		
Qualities			
Constraints			

Includes	
Extends	
Related Artifacts	US 01.01.03
Notes	
Open Issues	

Use Case ID	UC-8	Use Case name	ViewTeamPage
Participating Actors	User (Primary)		
Goal	User su	ccessfully view the	Team page
Trigger	User hi	t the Team button	
Precondition			
Postcondition	Team p	age shows up	
Basic Flow	 System displays web User hit the Team button System displays the Team page 		
Exceptions	1. No network		
Qualities			
Constraints			
Includes			
Extends			
Related Artifacts	US 01.01.04		
Notes			
Open Issues			

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