Test Plan

for

A Discord Bot for CTF

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TEAM 11

SUBJECT CODE   UE18CS355

Object Oriented Analysis and Design with Software Engineering Laboratory

Functionality 1:

Tasks that the bot will do in the background, automatically(any 3 tasks according to the SRS)

BOT TEST CASES:

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
BT-01	First blood	Test first blood functionality.	Bot should be online .	>>register <team_name> >>login TOKEN >>submit flag	>>submit flag	First blood	First blood	**PASS**
BT-02	First blood	Test first blood functionality when the flag is already submitted by some other user.	Bot should be online and the flag is already submitted by some other user.	>>register <team_name> >>login TOKEN >>submit flag	>>submit flag	Correct Flag submitted	Correct Flag submitted	**PASS**
BT-03	Backup	Bot should backup instance automatically	Bot should be online	Automatic backup	Automatic backup	Backup completed on server	Backup completed on server	**PASS**
BT-04	Team registration	Test registration functionali	Team name must not	1.>>register <team_name	>>register Anonymous	Registered successfully	Anonymous successfully	**PASS**

		ty.	exist.	>			registered, here is your auth token.	
BT-05	Team registration	Test registration functionality with duplicate name.	Team name must exist.	1.>>register <team_name>	>>register Anonymous	Team name already exists.	Team name already exists.	**PASS**
BT-06	Points Reduction	Test Points reduction functionality based on number of solves.	Flags must be submitted by many users.	>>submit flag	>>submit 12fd	Scoreboard updated with less points.	Scoreboard updated with less points.	**PASS**
BT-07	Live scoreboard	Test scoreboard functionality to update and display it every 10 minutes.	Flags must be submitted by many users.	>>submit flag	>>submit 12fd	Updated scoreboard.	Updated scoreboard.	**PASS**
BT-08	Bound on end time	Test that flags are not accepted after end time.	Current time must be greater than end time	>>submit flag	>>submit 12fd	Challenge has reached bound time.	Challenge has reached bound time.	**PASS**

Functionality 2:

Tasks that an organizer can perform with this bot(any 3 tasks according to the SRS)

ORGANIZER TEST CASES:

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
OT-01	List challenges	Test list challenges with the aid of help	Bot should be online	1.>>help	>>help	Display all the commands	Display all the commands	**PASS**
OT-02	Create Challenges	Test create challenge functionality	Bot should be online.	1.>>help create-challenges 2.>>create-challenge challenge-<id> category-<id> description-<id> files-# flag-#	>>create-challenge challenge-1 category-1 description-1 files-1 flag-1	Challenge created	Task with id 1 successfully created	**PASS**
OT-03	Create Challenges	Test create challenge functionality for duplicate challenge	Bot should be online. Challenge should be already created	1.>>help create-challenges 2.>>create-challenge challenge-<id> category-<id> description-<id>	>>create-challenge challenge-1 category-1 description-1 files-1 flag-1	Task already exists	Task already exists	**PASS**

				files-# flag-#				
OT-04	Release challenge	Test release challenge functionality	Challenges should be created.	1.>>help release-challenge 2.>>release-challenge \<id>	>>release-challenge 1	Release challenge	Task with id 1 successfully released	**PASS**
OT-05	Release challenge	Test release challenge functionality with invalid challenge id.	Challenges with given id must not exist.	1.>>help release-challenge 2.>>release-challenge \<id>	>>release-challenge 10	Task does not exists	Task with id 10 did not exists	**PASS**
OT-06	Hide challenge	Test hide challenge functionality.	Challenges must be created and released.	1.>>help hide-challenge 2.>>hide-challenge \<challenge-id>	>>hide-challenge 1	Task successfully hidden	Task successfully hidden	**PASS**
OT-07	Hide challenge	Test hide challenge functionality with invalid id.	Challenges with given id must not be released.	1.>>help hide-challenge 2.>>hide-challenge \<challenge-id>	>>hide-challenge 10	Task does not exists	Task with id 10 did not exists	**PASS**
OT-08	Delete challenge	Test delete challen	Challenges must be	1.>>help delete-c	>>delete-challenge 1	Task successfully	Task successfully	**PASS**

		ge functionality.	created	hallenge 2.>>delete-challenge <id>		deleted	deleted	
OT-09	Delete challenge	Test delete challenge functionality with invalid challenge id.	Challenges with given id must not exist.	1.>>help delete-challenge 2.>>delete-challenge <id>	>>delete-challenge 10	Task does not exists	Task with id 10 did not exists	**PASS**
OT-10	Scoreboard using GUI	Test scoreboard on webpage.	Bot is online, challenges created and released and participants submitted flags.	1. Go to dashboard.html	1. Go to dashboard.html	Current scoreboard displayed	Current scoreboard displayed	**PASS**

Functionality 3:

Tasks that a participant can perform with this bot(any 3 tasks according to the SRS)

PARTICIPANT TEST CASES:

Test Case ID	Name of Module	Test case description	Pre-conditions	Test Steps	Test data	Expected Results	Actual Result	Test Result
PT-01	Team registration	Test the register functionality	Bot should be online	1.>>help register 2. >>register	>>register Anonymous	Registration of team with token for	Anonymous successfully registered,	**PASS**

				<team_n ame>		joining the team	here is your auth token.	
PT-02	Login team	Test the login function ality	Team should be registered	1. >>help login 2.>>login <token>	>>login TOKEN	Success fully logged-in	Success fully logged-in as Anony mous	**PASS**
PT-03	Login team	Test the login function ality with invalid token	Team should not be registered	1. >>help login 2.>>login <invalid token>	>>login INVALI D TOKEN	Invalid token	Invalid token	**PASS**
PT-04	Login team	Test the login function ality	Team should be registered and logged in	1.>>login <token>	>>login TOKEN	Already logged-in	You already logged-in	**PASS**
PT-05	View Challeng es	Test the view challeng es feature	Participan ts should be logged in and challenge s should exist.	1.>>help challenge s 2.>>chall enges 3.>>chall enges-inf o name	>>chall enges	View the release d challen ges	View the release d challen ges	**PASS**
PT-06	Add challenge	Test to add challeng es	Participan ts should be logged in.	1.>>creat e-challen ge challenge -1 category-1 descriptio n-1 files-1 flag-1	1.>>cr eate-c halleng e challen ge-1 catego ry-1 descrip tion-1 files-1 flag-1	Role admin is require d to run this comma nd	Role admin is require d to run this comma nd	**PASS**

PT-07	Submit flag	Test submit flag feature with correct flag.	Participants should be logged in and the flag is correct.	1.>>help submit 2.>>submit <flag>	>>submit flag-1	Submit the flag to obtain points	1.First blood for first submission 2.Correct Flag	**PASS**
PT-08	Submit flag	Test submit flag feature with incorrect flag.	Participants should be logged in and flag input is incorrect flag	1.>>help submit 2.>>submit <flag>	>>submit ^Acasd25@4_ak8sdlss	Wrong flag	Wrong Flag	**PASS**
PT-09	Submit flag	Test submit flag feature with duplicate correct flag.	Participant had already submitted	1.>>help submit 2.>>submit <flag>	>>submit flag-1	Already solved this	Already solved this	**PASS**
PT-10	Scoreboard	Test to view scoreboard.	Participants should be logged in and at least one challenge should be solved	1.>>help scoreboard 2.>>scoreboard	>>scoreboard	Display scoreboard	Display scoreboard	**PASS**