

### PES UNIVERSITY, BANGALORE

Department of Computer Science and Engineering B. Tech (CSE) – 5th Semester – Aug-Dec 2024

# UE22CS341A - Software Engineering Test Plan Documentation

## PROJECT TITLE

Team: Team 3

PES2UG22CS042	Ajaybir Singh Hari
PES2UG22CS011	Aathil Nishad

## Template of a Test case:

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Test							
Case		Pre-					
ID	Description	Conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
						Login successful	
	Validate	Database	1. Enter a valid		Login successful with	with "Welcome,	
	successful login	connection	username	Username:	"Welcome, john.doe"	john.doe"	
UT_01	for staff	established	(existing staff)	"john.doe"	message displayed	message displayed	PASS
	Validate					Login fails with	
	unsuccessful					"Invalid	
	login for staff	Database			Login fails with "Invalid	username or	
	(wrong	connection	1. Enter an invalid	Username:	username or password"	password"	
UT_02	username)	established	username	"invalid_user"	message displayed	message displayed	PASS
							Login fails with
	Validate					Login fails with	"Invalid
	unsuccessful					"Invalid	username or
	login for staff	Database	1. Enter a valid			username or	password"
	(wrong	connection	username	Username:	Password:	password"	message
UT_03	password)	established	(existing staff)	"john.doe"	"incorrect_password"	message displayed	displayed
						Login fails with	
	Validate login	Database	1. Leave			"Please fill in all	
	functionality for	connection	username field		Login fails with "Please fill in	fields" message	
UT_04	empty username	established	blank	Username: ""	all fields" message displayed	displayed	PASS

UT_05	Validate login functionality for empty password	Database connection established	1. Enter a valid username (existing staff)	Username: "john.doe"	Password: ""	Login fails with "Please fill in all fields" message displayed	Login fails with "Please fill in all fields" message displayed
UT_06	Validate login functionality for empty role	Database connection established	1. Enter a valid username (existing staff)	Username: "john.doe"	Password: "password123"	Role: ""	Login fails with "Please fill in all fields" message displayed
UT_07	Validate database connection error handling		1. Simulate a database connection error (e.g., modify database credentials)	N/A	"Database Connection Error" message displayed	"Database Connection Error" message displayed	PASS
UT_08	Validate handling of unexpected errors	Database connection established	Introduce a deliberate error in the login function	N/A	Informative error message displayed (e.g., "An unexpected error occurred. Please try again later.")	Informative error message displayed	PASS

## Sample Test Case:

Test Case ID	Description	Pre-	T C4	Test Data	Expected Results	Actual Results	Test Result
	Description	Conditions	1 est steps	1 est Data			Result
	Validate successful retrieval of	Login as	1. Call the get_menu_items		All available menu items are retrieved and	All available menu items are retrieved and	
IT_01	menu items	staff	function	N/A	displayed	displayed	PASS
	Validate successful retrieval of menu items	Login as	1. Call the get_menu_items function with a	Category:	Only menu items in the "Appetizers" category are retrieved and	Only menu items in the "Appetizers" category are retrieved and	
IT_02	by category	staff	specific category	"Appetizers"	displayed	displayed	PASS
IT_03	Validate	Login as	1. Call the	N/A	Only menu	Only menu	PASS

	handling of unavailable menu items	staff	get_i func	menu_items tion		items w Availab are retri and disp	le=True eved	Ava	ns with ilable=True retrieved displayed	
IT_04	Validate successful update of menu item details	Login as staff	upda func	all the nte_menu_item tion with valid for an existing	Updated details (e.g., name, price)		re l in the e and	deta upd data	nu item ils are ated in the base and ected on the	PASS
IT_05	Validate handling of invalid menu item update data	Login as	upda func inval	all the  ate_menu_item tion with lid data (e.g., tive price)	N/A	Error m displaye indicati invalid	ed ng	disp indi	or message layed cating lid data	PASS
Test Case ID	Name of Module	Test Cas Descript		Pre- conditions	Test Steps	Test Data	Expecto Results		Actual Results	Test Result
UT-01	User registration module	To test the login functions		Access to Chrome Browser	1: Navigate to http://www .demo.com 2: Enter Username and Password 3: Click Submit	User name: PESU Stude nt. Passw ord: pes123	Login should l successf with "welcon message	ful ne	Login successful with "welcome message" displayed	Pass