

### 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 #: \_\_\_\_13\_\_\_\_

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#### **UNIT TESTING**

Test	Name	Test Case	Pre-	Test Steps	Test Data	Expected	Actual	Test
Case	of	Description	conditions			Results	Results	Result
ID	Module							
UT-01	Admin	Verify	Access to	1. Open	Username:	Admin	Welcome	PASS
	Login	successful	login page	login page	admin	should be	Admin	
		login for		2. Enter	Password:	authentic		
		Admin		valid admin	admin123	ated with		
				credentials		"Welcom		
				3. Click		e Admin"		
				"Login"				
UT-02	Admin	Validate	Access to	1. Open	Username:	Error	Invalid	PASS
	Login	error on	login page	login page	admin	message	credentials	
		invalid		2. Enter	Password:	"Invalid		
		Admin login		invalid	wrongpass	credential		
				admin		s" should		
				credentials		appear		
				3. Click				
				"Login"				

# Manage Tournament

Test	Name	Test Case	Pre-	Test Steps	Test Data	Expected	Actual	Test
Case	of	Description	conditions			Results	Results	Result
ID	Module							
UT-03	Create Tourna ment	Verify admin can create a new tournament	Admin logged in	1. Navigate to Tournamen t Manageme nt 2. Click "Create Tournamen t" 3. Enter tournament details 4. Click "Save"	Tournamen t Name: Summer Cup Start Date: 2024-06-15 End Date: 2024-06-30	Tournam ent created with message "Tourna ment added successful ly"	Tourname nt added successfull y	PASS
UT-04	Create Tourna ment	Validate error when creating a tournament with missing fields	Admin logged in	1. Navigate to Tournamen t Manageme nt 2. Click "Create Tournamen t" 3. Leave required fields blank 4. Click "Save"	Tournamen t Name: (blank)	Error message "All fields are required" should appear	All fields are required	PASS
UT-05	Update Tourna ment	Verify admin can update an existing tournament	Admin logged in, existing	1. Navigate to Tournamen t	Tournamen t Name: Winter Cup	Tournam ent updated with	Tourname nt updated successfull	PASS

			tournament	Manageme	New Start	message		
						"Tourna		
			available	nt	Date: 2024-			
				2. Select a	12-01	ment		
				tournament		updated		
				3. Edit		successful		
				tournament		ly"		
				details				
				4. Click				
				"Update"				
UT-06	Delete	Verify admin	Admin	1. Navigate	Tournamen	Tournam	Tourname	PASS
	Tourna	can delete a	logged in,	to	t ID: 103	ent	nt deleted	
	ment	tournament	existing	Tournamen		deleted	successfull	
			tournament	t		with	у	
			available	Manageme		message		
				nt		"Tourna		
				2. Select a		ment		
				tournament		deleted		
				3. Click		successful		
				"Delete"		ly"		
				4. Confirm				
				deletion				

#### Manage Team

Test	Name	Test Case	Pre-	Test Steps	Test Data	Expected	Actual	Test
Case	of	Description	conditions			Results	Results	Result
ID	Module							
UT-07	Create	Verify admin	Admin	1. Navigate	Team	Team	Team	PASS
	Team	can create a	logged in	to Team	Name:	created	added	
		new team		Manageme	Warriors	with	successful	
				nt	Coach	message	ly	
				2. Click	Name: John	"Team		
				"Create	Smith	added		
				Team"		successfull		
				3. Enter		y"		
				team details				
				4. Click				
				"Save"				

UT-08	Create	Validate	Admin	1. Navigate	Team	Error	Team	PASS
	Team	error when	logged in	to Team	Name:	message	name is	
		creating a		Manageme	(blank)	"Team	required	
		team with		nt		name is		
		missing fields		2. Click		required"		
				"Create		should		
				Team"		appear		
				3. Leave				
				required				
				fields blank				
				4. Click				
				"Save"				
UT-09	Update	Verify admin	Admin	1. Navigate	Team	Team	Team	PASS
	Team	can update	logged in,	to Team	Name:	updated	updated	
		an existing	existing	Manageme	Wolves	with	successful	
		team	team	nt	New Coach	message	ly	
			available	2. Select a	Name:	"Team		
				team	Sarah Lee	updated		
				3. Edit team		successfull		
				details		y"		
				4. Click				
				"Update"				
UT-10	Delete	Verify admin	Admin	1. Navigate	Team ID:	Team	Team	PASS
	Team	can delete a	logged in,	to Team	202	deleted	deleted	
		team	existing	Manageme		with	successful	
			team	nt		message	ly	
			available	2. Select a		"Team		
				team		deleted		
				3. Click		successfull		
				"Delete"		y"		
				4. Confirm				

# Manage Matches

Test	Name	Test Case	Pre-	Test Steps	Test Data	Expected	Actual	Test
Case	of	Description	conditions			Results	Results	Result
ID	Module							

UT-12	Schedule	Verify admin	Admin	1. Navigate	University	Match	Match	PASS
	Match	can schedule	logged in,	to Match	Team: 201	scheduled	scheduled	
		a match	teams and	Manageme	Opposing	with	successful	
			venue exist	nt	Team:	message	ly	
				2. Select	Sharks	"Match	,	
				"Schedule	Match	scheduled		
				Match"	Date: 2024-	successfull		
				3. Enter	06-20	y"		
				match	Venue:			
				details	Arena 1			
				4. Click				
				"Save"				
UT-13	Update	Verify admin	Admin	1. Navigate	Match ID:	Match	Match	PASS
	Match	can update	logged in,	to Match	301	updated	updated	
		an existing	match exists	Manageme	New Date:	with	successful	
		match		nt	2024-06-25	message	ly	
				2. Select a		"Match		
				match		updated		
				3. Edit		successfull		
				match		y"		
				details				
				4. Click				
				"Update"				
UT-14	Record	Verify admin	Admin	1. Navigate	Match ID:	Match	Match	PASS
	Match	can record	logged in,	to Match	301	result	result	
	Results	match results	match exists	Manageme	Result:	updated	updated	
				nt	University	with		
				2. Select a	Team wins	message		
				match		"Match		
				3. Enter		result		
				result details		updated"		
				4. Click				
				"Save				
				Results"				

Manage Venue

Test	Name of	Test Case	Pre-	Test Steps	Test Data	Expected	Actual	Test
Case ID	Module	Description	conditions			Results	Results	Result

UT-15	Add	Verify admin	Admin	1. Navigate	Venue	Venue	Venue	PASS
	Venue	can add a	logged in	to Venue	Name:	added with	added	
		new venue	00	Manageme	Main	message	successful	
				nt	Stadium	"Venue	ly	
				2. Click	Location:	added		
				"Add	Downtown	successfull		
				Venue"		y"		
				3. Enter				
				venue				
				details				
				4. Click				
				"Save"				
UT-16	Add	Validate	Admin	1. Navigate	Venue	Error	Venue	PASS
	Venue	error when	logged in	to Venue	Name:	message	name is	
		adding a		Manageme	(blank)	"Venue	required	
		venue with		nt		name is	_	
		missing fields		2. Click		required"		
				"Add		should		
				Venue"		appear		
				3. Leave				
				required				
				fields blank				
				4. Click				
				"Save"				
UT-17	Update	Verify admin	Admin	1. Navigate	Venue ID: 5	Venue	Venue	PASS
	Venue	can update	logged in,	to Venue	New	updated	updated	
		venue details	venue exists	Manageme	Location:	with	successful	
				nt	City Center	message	ly	
				2. Select		"Venue		
				venue		updated		
				3. Update		successfull		
				location		y"		
				4. Click				
				"Update"				
UT-18	Delete	Verify admin	Admin	1. Navigate	Venue ID: 5	Venue	Venue	PASS
	Venue	can delete a	logged in,	to Venue		deleted	deleted	
		venue	venue exists	Manageme		with	successful	
				nt		message	ly	

		2. Select	"Venue	
		venue	deleted	
		3. Click	successfull	
		"Delete"	y"	
		4. Confirm		
		deletion		

## System Testing

Test	Name	Test Case	Pre-	Test Steps	Test	Expected	Actual	Test
Case ID	of	Description	conditions		Data	Results	Results	Result
	Module							
ST-01	Admin	Verify	Admin	1. Open	Username	Admin	Admin	PASS
	Login	system login	system	login page	: admin	successfull	logged in	
		for Admin	setup	2. Enter valid	Password:	y logged in	and	
				credentials	admin123	and	dashboard	
				3. Click		redirected	displayed	
				"Login"		to		
						dashboard		
ST-02	Admin	Validate	Admin	1. Open	Username	Error	Error	PASS
	Login	error message	system	login page	: admin	message:	message	
		on invalid	setup	2. Enter	Password:	"Invalid	displayed	
		login		invalid	wrongpas	credentials		
		attempt		credentials	s	" displayed		
				3. Click				
				"Login"				
ST-03	Tourna	Verify	Admin	1. Navigate	Tournam	"Tournam	Tourname	PASS
	ment	tournament	logged in	to	ent	ent added	nt added	
	Mgmt	creation		Tournament	Name:	successfull	successfull	
		functionality		Management	Summer	y" message	у	
				2. Click	Cup	displayed		
				"Create	Start			
				Tournament	Date:			
				"	2024-06-			
				3. Enter	15			
				tournament				
				details				

				4. Click "Save"				
ST-04	Team Mgmt	Verify admin can create a new team	Admin logged in	1. Navigate to Team Management 2. Click "Create Team" 3. Enter team details 4. Click "Save"	Team Name: Warriors Coach Name: John Smith	"Team added successfull y" message displayed	Team added successfull y	PASS
ST-05	Match Mgmt	Verify admin can schedule a match	Admin logged in, teams & venue available	1. Navigate to Match Management 2. Click "Schedule Match" 3. Enter match details 4. Click "Save"	Universit y Team: 201 Opposing Team: Sharks	"Match scheduled successfull y" message displayed	Match scheduled successfull y	PASS
ST-06	Venue Mgmt	Verify admin can add a new venue	Admin logged in	1. Navigate to Venue Management 2. Click "Add Venue" 3. Enter venue details 4. Click "Save"	Venue Name: Main Stadium Location: Downto wn	"Venue added successfull y" message displayed	Venue added successfull y	PASS

## **Integration Testing**

Test Case ID	Name of Module	Test Case Description	Pre- conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
IT-01	Admin	Verify	Admin	1. Open	Username	Admin is	Admin	PASS
	Login	integration	system	login page	: admin	authentica	logged in,	

		of login	setup, DB	2. Enter valid	Password:	ted and	dashboard	
		system with	connected	credentials	admin123	dashboard	loaded	
		backend and		3. Click		loaded		
		DB		"Login"		successfull		
				8		y		
IT-02	Tourna	Verify data	Admin	1. Navigate	Tournam	"Tournam	DB	PASS
11 02	ment	flow	logged in,	to	ent	ent added	updated	11100
	Mgmt	between	DB	Tournament	Name:	successfull	with	
	lvigine	tournament	connected	Management	Summer	y" message	tournamen	
			Connected	2. Create	Cup	and DB	t details	
		management and DB		Tournament	Start	updated	t details	
				3. Save data	Date:	ирианеи		
				into DB	2024-06-			
				lillo DB	15			
IT-03	Т	Validate	Admin	1 NT: 1:	Team	"Team	DB	PASS
11-03	Team			1. Navigate				PASS
	Mgmt	integration	logged in,	to Team	Name:	added	updated	
		between	DB	Management	Warriors	successfull	with team	
		team	connected	2. Create	Coach	y" message	details	
		management		team	Name:	and DB		
		and DB		3. Save data	John	updated		
		_		to DB	Smith			
IT-04	Match	Verify	Admin	1. Navigate	Universit	"Match	Match	PASS
	Mgmt	integration	logged in,	to Match	y Team:	scheduled	data saved	
		of match	DB	Management	201	successfull	to DB	
		scheduling	connected	2. Schedule	Opposing	y" and DB		
		with venue		match	Team:	updated		
		and teams		3. Save	Sharks			
		DB		match data				
				to DB				
IT-05	Venue	Verify venue	Admin	1. Navigate	Venue	"Venue	Venue data	PASS
	Mgmt	creation and	logged in,	to Venue	Name:	added	saved to	
		data flow	DB	Management	Main	successfull	DB	
		between	connected	2. Add venue	Stadium	y" and DB		
		system and		3. Save data	Location:	updated		
		DB		to DB	Downto			
					wn			