UE22CS341A - Software Engineering
Test Plan Documentation

PROJECT TITLE

Team #: ___13____

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UNIT TESTING

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

Manage Tournament

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

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
			tournament available	Management 2. Select a tournament 3. Edit tournament details 4. Click "Update"	New Start Date: 2024-12-01	message "Tournament updated successfully"		
UT-06	Delete Tournament	Verify admin can delete a tournament	Admin logged in, existing tournament available	1. Navigate to Tournament Management 2. Select a tournament 3. Click "Delete" 4. Confirm deletion	Tournament ID: 103	Tournament deleted with message "Tournament deleted successfully"	Tournament deleted successfully	PASS

Manage Team

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT-07	Create Team	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 created with message "Team added successfully"	Team added successfully	PASS

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

Manage Matches

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

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
UT-12	Schedule Match	Verify admin can schedule a match	Admin logged in, teams and venue exist	1. Navigate to Match Management 2. Select "Schedule Match" 3. Enter match details 4. Click "Save"	University Team: 201 Opposing Team: Sharks Match Date: 2024-06-20 Venue: Arena 1	Match scheduled with message "Match scheduled successfully"	Match scheduled successfully	PASS
UT-13	Update Match	Verify admin can update an existing match	Admin logged in, match exists	1. Navigate to Match Management 2. Select a match 3. Edit match details 4. Click "Update"	Match ID: 301 New Date: 2024-06-25	Match updated with message "Match updated successfully"	Match updated successfully	PASS
UT-14	Record Match Results	Verify admin can record match results	Admin logged in, match exists	1. Navigate to Match Management 2. Select a match 3. Enter result details 4. Click "Save Results"	Match ID: 301 Result: University Team wins	Match result updated with message "Match result updated"	Match result updated	PASS

Manage Venue

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

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

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

System Testing

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

				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 Login	Verify integration	Admin system	1. Open login page	Username : admin	Admin is authentica	Admin logged in,	PASS

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