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Created by	
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Test case ID	Test Objective	Precondition	Steps:	Test data	Expected result
TC_MI_1.1	To verify if a user with valid credentials can successfully login.	1. A valid User account exist and is registered 2. Good internet connection	1. Navigate to the login page.	"A valid username"	The user is logged in successfully.
			2.In the login Panel, enter the username		
TC_MI_1.2	password valid	1. Correct username inserted in the field	1. In the login Panel, enter the password	"A valid password format with specified length"	
TC_MI_1.3	To verify if a user can sign up for a new account.	1. AUser name to login to be available for a first time user of the site. 2.site is launched on a compatible browser/ device	1. In the login Panel, enter the username	"A valid username"	
			2. Enter the Password for the User account in the password field	"A valid Password"	
			3. Click "Signup" button		The user is Registered successfully and the personal information page is displayed for
			3. Click "Login" button		
TC_MI_2.1	Verify that a user can attempt a coding problem.	1.The user is logged in.2. The problem set is available.	1. Navigate to the "Problems" section.	Code solution for the selected problem.	The user's solution is evaluated, and the result is displayed.
			2.Select & read the problem statement and constraints.		
			3.Write the code solution in the provided editor.		
			4.Click the "Submit" button.		
TC_MI_2.2	Verify that a user can participate in a coding contest.	The user is logged in. An ongoing coding contest is available.	1.Navigate to the "Contests" section.	Solutions for contest problems within the time limit.	The user's solutions are evaluated, and the contest ranking/score is
			2.Select an ongoing contest from the list.		
			3.Read the contest rules and problem statements.		
			4.Attempt the contest problems within the given time limit.		
			5.Submit the solutions for evaluation		

TC_MI_2.3	Verify that a user can view learning resources.	The user is logged in. Learning resources are available.	1.Navigate to the "Learning" section.		The selected learning resource is displayed, and the user can access the content.
			2.Browse through the available courses and tutorials.		
			3.Select & view a course or tutorial.		
TC_MI_3.1	To verify that users receive detailed feedback on their submitted coding solutions.	The user has submitted a coding solution, and the evaluation process is complete.	1. Navigate to the "Problems" section.	Submitted coding solution	The user receives detailed feedback on their solution, including comments, suggestions, and
			2. Select a previously attempted problem.		
			3.Review the submitted solution.		
			4.Click the "Get Feedback" button.		
TC_MI_3.2	To ensure users can track their progress and view relevant statistics.	The user is logged in. They have attempted coding problems and participated in contests.	1.Navigate to the user's profile or dashboard.	User's activity and participation data.	The user can see their progress, including the number of problems solved, contests participated in, ranking, and other relevant statistics.
			2.View the "Progress" section.		
TC_MI_3.3	To verify that users can access contest results and participant data.	The user has participated in a coding contest, and the contest results are available.	1.Navigate to the "Contests" section.	Contest results and participant data.	The user can access the contest results, including participant rankings,
			2.Select the completed contest.		
			3.View the contest results and participant data.		
TC_MI_4.1	To confirm that administrators can successfully host coding contests on the platform.	The user is logged in as an administrator, and the platform allows users to host contests.	1.Navigate to the "Contests" section	Contest details	The coding contest is successfully created and scheduled.
			2.Click on the "Host Contest" button.		
			3.Provide contest details (name, duration, problem set, rules, etc.).		
			4.Schedule the contest date and time.		
			5.Review and submit the contest details.		
TC_MI_4.2	To ensure users can retrieve contest results and participant data after a contest has ended.	The user is logged in, and they have participated in a coding contest whose results are available.	1.Navigate to the "Contests" section.	Contest results and participant data.	The user can access the contest results, including participant rankings,
			2.Select the completed contest.		

		3.View the contest results and participant data.		
TC_MI_4.3	To verify that users understand and acknowledge contest rules before participating.	The user is logged in and intends to participate in a coding contest for which the rules are available.	1.Navigate to the "Contests" section	Contest rules and guidelines.	The user understands and acknowledges the contest rules before participating
			2.Select the upcoming contest.		
			3.Read and verify the contest rules and guidelines.		
TC_MI_5.1	To confirm that the platform supports and evaluates coding solutions correctly for multiple	The user is logged in, and coding problems for different programming languages are available.	1.Navigate to the "Problems" section.	Coding problem, programming language selection, submitted solution.	The user's solution is evaluated correctly, regardless of the
			2.Select a problem for a specific programming language.		
			3.Attempt the problem using the selected language.		
			4.Submit the solution		
TC_MI_5.2	To verify that the platform is compatible with different devices and browsers.	The platform is accessible via various devices and browsers.	1.Access the platform using different devices	Various devices and browsers.	The platform displays and functions correctly across different devices and browsers,
			2.Access the platform using different browsers		