

Test Case Report

Use Cases

Feature	Conditions	Valid Partitions	Invalid Partitions	Valid Boundaries	Invalid Boundaries
User Registration	Full Name	Alphabetic characters only (1-50 chars)	Empty or non-alphabetic characters (e.g. "12345" and "John#Doe")	1 character	51 character
User Registration	Email Address	Standard email format (e.g. user@example.com)	Empty or invalid formats (e.g. "user@.com" and "user@domain")	n/a	n/a
User Registration	Age	Integer 18-100	< 18 and > 100	18	101
User Registration	Password	At least 8 chars, 1 uppercase letter, 1 number	< 8 chars, no uppercase, no number	8 characters	7 characters
User Registration	Confirm Password	Must match Password and not be empty	Empty or does not match Password	n/a	n/a
User Registration	Credit Card Info	Exactly 16 numeric digits	Empty, non-numeric, less/more than 16 digits	16 digits	15 and 17 digits
Event Selection	Browse and Select Events	Event selected	None	None	None
Payment Processing	Secure Processing	Payment processed successfully	Failure or rejection	None	None
Email Confirmation	Receive Confirmation Email	Email received	None	None	None
Profile Management	Manage Profile	Profile displayed and editable	None	None	None
Password Recovery	Request Reset Link	Reset link sent	None	None	None
Event Details Page	View Event Details	Event information displayed	None	None	None
User Roles	Access Levels	Admin and User roles have different access	None	None	None
Search Functionality	User selects search option and inputs data	Valid date format (MM/DD/YYYY), Location "d 50 c h", Valid category	Invalid date format, Empty location, Category with spaces or invalid characters	Date format (MM/DD/YYYY), Location = 50 characters, Category name length	Date with invalid month/day, Location > 50 characters, Invalid category characters
User Reviews and Ratings	User rates experience after event attendance	Rating 1-5 stars, Review "d 200 c h a r a c t e r s" (optional)	Rating < 1 or > 5, Review > 200 characters	Rating = 1, Review = empty string	Rating = 0, Rating = 6, Review > 200 characters
Notification System	User receives notifications for updates	Notifications received as per event changes	No notifications received	Notifications sent as expected	Notifications not sent
Event Cancellation	User cancels event registration within time frame	Cancellation > 10 days = full refund, 5-10 days = 50% refund, < 5 days = no refund	Cancellation > event date, Invalid cancellation requests	Cancellation exactly 10 days before event, Cancellation 5 days before event	Cancellation < 0 days, Invalid cancellation requests
Promotional Discount Codes	User applies discount code during	Valid 4-digit numeric discount code	Non-numeric code, Code not 4 digits	Code = 1000, Code = 9999	Code = 100, Code = 99999

Feature	Conditions	Valid Partitions	Invalid Partitions	Valid Boundaries	Invalid Boundaries
payment					
Mobile Responsiveness	System accessible on mobile devices	Fully responsive design	Design not responsive	Design fits all mobile screens	Design fails on mobile view
Data Export	Administrator exports data	Valid CSV or Excel format	Invalid format	Export as CSV, Export as Excel	Export with incorrect file type
Session Management	User inactive for specified time	User logged out after inactivity	User remains logged in	Timeout = specified period	Timeout = 0, Timeout = negative value
Multi-Language Support	System supports multiple languages	Valid language options available	Invalid language input	Languages supported = English, Spanish, etc.	Language not supported
Group Registration Discounts	User registers multiple participants	1-5 participants = no discount, 6-10 = 10%, 11+ = 15%	Participants < 1, Non-numeric participant count	Participants = 5, Participants = 10	Participants = 0, Participants = 15
Early Bird Registration	User registers at least 30 days before event	Registration date (Event date - 30 days)	Registration date < (Event date - 30 days)	Registration date = (Event date - 30 days)	Registration date < 0 days before event
Promotional Code Validation	User enters promotional code during checkout	Valid promotional code, Usage limits met, Not expired	Invalid promotional code, Usage limit exceeded, Expired code	Code valid within usage limits	Code not found in the database, Expired code
Payment Plan Options	User selects a payment plan for a high-cost event	Valid payment plans: full, two installments, three installments	Invalid payment plans or non-high-cost events	Plan selected = full payment, Plan selected = two installments	Plan selected = nonexistent option, Plan selected = invalid amount
Event Bundle Registration	User registers for multiple events	Register for 2 events, 3 events, or 4+ events for discounts	Register for 1 event, Invalid event counts	Registering 2 events = 5% discount, 3 events = 10%, 4+ events = 15%	Registering 0 events, Invalid event registration
Customizable Registration Options	User selects additional options	Valid combinations of options leading to discounts	Invalid combinations or unsupported options	Combination selected = main event + workshop option = 10% discount	Combination selected = unsupported options, Combination does not trigger discount
Referral Program	User enters a referral code during registration	Valid referral code used by new user, Both users receive discounts	Invalid referral code, Code used by existing user	Referral code applied successfully, Discounts applied to both users	Code not recognized, Code used incorrectly

Test Cases

Feature	Test Case	Description	Expected Outcome	New Tags Covered
User Registration	TC1	Full Name: "John Doe" (Valid)	Form submission succeeds	V1
User Registration	TC2	Full Name: "John123" (Invalid - Contains numbers)	Form submission fails	V2
User Registration	TC3	Full Name: "John#Doe" (Invalid - Special Characters)	Form submission fails	V3
User Registration	TC4	Full Name: "" (Invalid - Empty)	Form submission fails	V4
User Registration	TC5	Full Name: "J" (Boundary - 1 char)	Form submission succeeds	B1

Feature	Test Case	Description	Expected Outcome	New Tags Covered
User Registration	TC6	Full Name: 51 characters alphabetic (Boundary - Overflow)	Form submission fails	B2
User Registration	TC7	Email Address: "user@example.com" (Valid)	Form submission succeeds	V5
User Registration	TC8	Email Address: "user@.com" (Invalid - Incorrect format)	Form submission fails	V6
User Registration	TC9	Email Address: "" (Invalid - Empty)	Form submission fails	V7
User Registration	TC10	Age: 25 (Valid)	Form submission succeeds	V8
User Registration	TC11	Age: 17 (Boundary - Below minimum)	Form submission fails	B3
User Registration	TC12	Age: 18 (Boundary - Minimum)	Form submission succeeds	B4
User Registration	TC13	Age: 100 (Boundary - Maximum)	Form submission succeeds	B5
User Registration	TC14	Age: 101 (Boundary - Above maximum)	Form submission fails	B6
User Registration	TC15	Password: "Passw0rd!" (Valid)	Form submission succeeds	V9
User Registration	TC16	Password: "password" (Invalid - No uppercase or number)	Form submission fails	V10
User Registration	TC17	Password: "Passw" (Boundary - Too short)	Form submission fails	B7
User Registration	TC18	Confirm Password: Matches Password (Valid)	Form submission succeeds	V11
User Registration	TC19	Confirm Password: Does not match Password	Form submission fails	V12
User Registration	TC20	Credit Card: "1234567812345678" (Valid)	Form submission succeeds	V13
User Registration	TC21	Credit Card: "12345" (Invalid - Too short)	Form submission fails	V14
User Registration	TC22	Credit Card: "12345678123456789" (Invalid - Too long)	Form submission fails	V15
User Registration	TC23	Credit Card: "1234abcd5678efgh" (Invalid - Non-numeric)	Form submission fails	V16
Event Selection	TC1	User selects an available event	Event is selected successfully	E1
Event Selection	TC2	User attempts to select an event that doesn't exist	Error message is displayed	E2
Payment Processing	TC1	Payment is processed successfully	Confirmation message is displayed	P1
Payment Processing	TC2	Payment fails due to gateway error	Error message is displayed	P2
Email Confirmation	TC1	User receives confirmation email	Email with event details received	E3
Email Confirmation	TC2	User does not receive email	Error message displayed in account	E4
Profile Management	TC1	User views and edits profile	Profile updates are saved successfully	P3
Profile Management	TC2	User views profile with no updates	Profile data displayed as is	P4
Password Recovery	TC1	User requests password reset link	Reset link sent to email	P5
Password Recovery	TC2	User requests reset with invalid email	Error message displayed	P6
Event Details Page	TC1	User views event details page	Event information displayed	E5
Event Details Page	TC2	User attempts to access details of non-existent event	Error message displayed	E6
User Roles	TC1	Admin accesses restricted area	Admin access granted	U1
User Roles	TC2	User attempts to access admin-only area	Access denied error displayed	U2
Search Functionality	TC1	Test valid search with correct date location	Search results displayed correctly	V1

Feature	Test Case	Description	Expected Outcome	New Tags Covered
and category				
Search Functionality	TC2	Test invalid date format (MM/DD/YYYY)	Error message displayed for invalid date	X1
Search Functionality	TC3	Test empty location input	Error message displayed for empty location	X2
Search Functionality	TC4	Test category with spaces	Error message displayed for invalid category	X3
User Reviews and Ratings	TC5	Test valid rating of 4 stars and an optional review	Rating and review submitted successffly	V1
User Reviews and Ratings	TC6	Test rating below 1 star	Error message displayed for invalid rating	X1
User Reviews and Ratings	TC7	Test rating above 5 stars	Error message displayed for invalid rating	X2
User Reviews and Ratings	TC8	Test review exceeding 200 characters	Error message displayed for long review	X3
Notification System	TC9	Test user receives notification for event update	Notification displayed to user	V1
Notification System	TC10	Test no notification received for non-existent events	No notification error message displaye	X1
Event Cancellation	TC11	Test cancellation 15 days before event	Full refund processed	V1
Event Cancellation	TC12	Test cancellation 3 days before event	No refund processed	X1
Promotional Discount Codes	TC13	Test valid discount code 1234	Discount applied during checkout	V1
Promotional Discount Codes	TC14	Test invalid discount code (not 4 digits)	Error message displayed for invalid code	X1
Mobile Responsiveness	TC15	Test access on mobile device	System displays correctly on mobile	V1
Mobile Responsiveness	TC16	Test access on non-mobile device	System displays with expected layout	X1
Data Export	TC17	Test export user data as CSV	Data exported in correct format	V1
Data Export	TC18	Test export with unsupported format	Error message displayed for invalid format	X1
Session Management	TC19	Test user logout after inactivity period	User logged out after specified timeout	V1
Session Management	TC20	Test user remains logged in with activity	User remains logged in successfully	V2
Multi-Language Support	TC21	Test switching to supported language	Language changes successfully	V1
Multi-Language Support	TC22	Test unsupported language input	Error message displayed for unsupported language	X1
Group Registration Discounts	TC23	Test registering 7 participants	10% discount applied successfully	V1
Group Registration Discounts	TC24	Test registering 12 participants	15% discount applied successfully	V2
Early Bird Registration	TC1	Test registration 31 days before event	20% discount applied	V1
Early Bird Registration	TC2	Test registration 29 days before event	No discount applied and registration accepted	X1
Early Bird Registration	TC3	Test registration on the event date	No discount applied and registration accepted	X2
Promotional Code Validation	TC4	Test valid promotional code	Discount applied to total registration fee	V1
Promotional Code Validation	TC5	Test invalid promotional code	Error message displayed for invalid code	X1

Feature	Test Case	Description	Expected Outcome	New Tags Covered
Promotional Code Validation	TC6	Test expired promotional code	Error message displayed for expired code	X2
Payment Plan Options	TC7	Test full payment option selected	Total amount due displayed correctly	V1
Payment Plan Options	TC8	Test two installments option selected	Total due amounts for each installment displayed corretly	V2
Payment Plan Options	TC9	Test three installments option selected	Amounts due displayed for all three installments	V3
Payment Plan Options	TC10	Test selecting an invalid payment plan	Error message displayed for invalid selection	X1
Event Bundle Registration	TC11	Test registration for 2 events	5% discount applied on total	V1
Event Bundle Registration	TC12	Test registration for 3 events	10% discount applied on total	V2
Event Bundle Registration	TC13	Test registration for 4 events	15% discount applied on total	V3
Event Bundle Registration	TC14	Test registration for 1 event	No discount applied and registration accepted	X1
Customizable Registration Options	TC15	Test selecting main event and workshop	10% discount applied on workshop fee	V1
Customizable Registration Options	TC16	Test selecting unsupported combination of options	Error message displayed for nsupported options	X1
Referral Program	TC17	Test valid referral code used by new user	\$10 discount applied to both users	V1
Referral Program	TC18	Test invalid referral code entered	Error message displayed for invalid code	X1
Referral Program	TC19	Test code used by existing user	No discount applied and error message displayed	X2