Test Cases for Event Registration

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| Test Case ID | Description | Preconditions | Test Steps | Expected Results | Test Data | Priority |
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| Test Case ID | Test Case Description | Preconditions | Test Steps | Expected Results | Test Data | Priority |
| TC\_001 | Successful Registration | User is on the Event Registration page | 1. Enter valid name, email, and phone number. 2. Select a valid registration type. 3. Submit the form. | Confirmation message displayed, registration details stored in database | Name: John Doe, Email: john.doe@example.com, Phone: 123-456-7890, Registration Type: Standard | High |
| TC\_002 | Registration with Invalid Email | User is on the Event Registration page | 1. Enter valid name and phone number. 2. Enter an invalid email address (e.g., missing @ symbol). 3. Submit the form. | Error message indicating invalid email format | Name: Jane Doe, Email: johndoeexample.com, Phone: 987-654-3210, Registration Type: Standard | High |
| TC\_003 | Registration with Empty Fields | User is on the Event Registration page | 1. Leave all fields blank. 2. Submit the form. | Error message indicating required fields are missing | All fields empty | High |
| TC\_004 | Registration with Special Characters in Name | User is on the Event Registration page | 1. Enter a name with special characters (e.g., John!@#$%^&\*()\_+=-`~[]\{} | ;':",./<>?). 2. Enter a valid email and phone number. 3. Submit the form. | Registration successful (assuming the system allows special characters) | Name: John!@#$%^&\*(), Email: special.char@example.com, Phone: 111-222-3333, Registration Type: Standard |
| TC\_005 | Registration with Long Name | User is on the Event Registration page | 1. Enter an extremely long name (exceeding the database limit). 2. Enter a valid email and phone number. 3. Submit the form. | Error message indicating name length exceeded or name truncated. | Name: ExtremelyLongNameExceedingDatabaseLimit..., Email: longname@example.com, Phone: 555-666-7777, Registration Type: Standard | Medium |
| TC\_006 | Registration with Duplicate Email | User is on the Event Registration page | 1. Enter valid registration details. 2. Attempt to register with an email already registered. | Error message indicating email already exists | Name: Duplicate Email, Email: duplicate@example.com, Phone: 444-555-6666, Registration Type: Standard | High |
| TC\_007 | UI Test: Check for Correct Labels | User is on the Event Registration page | N/A | 1. Verify that all input fields have correct labels (Name, Email, Phone, etc.). 2. Verify that the submit button is labeled correctly. | All labels are displayed correctly and are user-friendly | N/A |
| TC\_008 | UI Test: Responsive Design | User is on the Event Registration page | N/A | Access the page on different screen sizes (desktop, tablet, mobile). | Page renders correctly and is usable on all screen sizes | N/A |
| TC\_009 | Error Handling: Server Error | User is on the Event Registration page | Simulate a server error (e.g., by disconnecting the server). | 1. Submit the form. | Appropriate error message displayed to the user (e.g., "We are experiencing technical difficulties. Please try again later.") | N/A |
| TC\_010 | Edge Case: Registration Type Selection | User is on the Event Registration page | N/A | 1. Attempt to register without selecting a registration type. | Error message indicating registration type selection is required | N/A |
| TC\_011 | Accessibility Test: Screen Reader Compatibility | User is on the Event Registration page | User uses a screen reader. | Verify that all form elements are correctly identified by the screen reader. | Form elements are correctly announced by the screen reader | N/A |
| TC\_012 | Performance Test: Page Load Time | User is on the Event Registration page | N/A | Measure page load time. | Page loads within an acceptable time frame (e.g., under 3 seconds) | N/A |
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