

# Event Registration System Test Case Documentation

## Overview

This document provides comprehensive test case documentation for the Event Registration System, utilizing two primary testing techniques:

1. Equivalence Class Partitioning (Weak Testing)
2. Boundary Value Analysis

## Testing Techniques

### 1. Equivalence Class Partitioning

Equivalence Class Partitioning divides input data into valid and invalid partitions to reduce the total number of test cases while maintaining effective coverage.

### 2. Boundary Value Analysis

Boundary Value Analysis focuses on testing the boundaries of input ranges to identify potential edge case failures.

## Use Cases and Test Cases Report

The report is uploaded on Google Drive, generated through a personal Report Generation System built on pure HTML, CSS and JS.

[Use Cases and Test Cases Report](#)

## Test Coverage Summary

## **Total Test Cases by Feature**

- User Registration: 23 test cases
- Event Selection: 2 test cases
- Payment Processing: 2 test cases
- Email Confirmation: 2 test cases
- Profile Management: 2 test cases
- Password Recovery: 2 test cases
- Event Details Page: 2 test cases
- User Roles: 2 test cases
- Search Functionality: 4 test cases
- User Reviews and Ratings: 4 test cases
- Notification System: 2 test cases
- Event Cancellation: 2 test cases
- Promotional Discount Codes: 2 test cases
- Mobile Responsiveness: 2 test cases
- Data Export: 2 test cases
- Session Management: 2 test cases
- Multi-Language Support: 2 test cases
- Group Registration Discounts: 2 test cases
- Early Bird Registration: 3 test cases
- Promotional Code Validation: 6 test cases
- Payment Plan Options: 4 test cases
- Event Bundle Registration: 4 test cases
- Customizable Registration Options: 2 test cases
- Referral Program: 3 test cases

## **Testing Approach**

1. Identified valid and invalid input partitions
2. Tested boundary conditions
3. Covered various scenarios including:
  - Positive test cases
  - Negative test cases
  - Edge case scenarios
  - Invalid input handling

## **Tools and Methodology**

- Testing Techniques: Equivalence Class Partitioning, Boundary Value Analysis
- Test Case Management: Manual test case design

- Coverage: Comprehensive across multiple system features