

Software Engineering and Testing. BSC Year 2, 2024/2025

Assignment 4: Software Testing

Members:

Robert Melciu | B00166345

Shae Mohammed | B00164905

Sergio Garcia | B00165542

Unit Testing

1. Creating a User (test_user.php)
2. Creating a Test Event (test_event.php)
3. Performing a Test Search (for the Test Event) (test_search.php)
4. Creating a Test Order (test_order.php)
5. Creating a Test Refund (test_refund.php)

User Interface Testing

Guidance:

(index.php)

GameDay

Events

Login

Register

Featured Event

Gaelic Football

Location: Cork

Date: 2025-03-25

Price: \$15.00

View Details

Upcoming Events

Test

Location: Belfast

Date: 2025-07-25

Price: \$69.00

View Details

Concert

Location: Los Angeles

Date: 2025-07-12

Price: \$25.00

View Details

Just Dance

Location: Galway

Date: 2025-05-22

Price: \$10.75

View Details

View All Events

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(event.php)


GameDay

Events

Login

Register

Gaelic Football



Event Details

Location: Cork

Date: 2025-03-25

Price: \$15.00

Capacity: 100/100

Buy Tickets

To Events

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Guides User to Login First

(login.php)

GameDay

Events

Login

Register

Login to Your Account

Email Address *

a@a.a

Password *

Login

Don't have an account? [Sign up](#)

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Feedback

On Register Page:

(Register.php)

GameDayEvents

LoginRegister

Create an Account

Full Name *

Enter your full name

Email Address *

Enter your email address

We'll never share your email with anyone else

Password *

Create a password

Password must be at least 8 characters long

Create Account

Already have an account? [Login](#)

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GameDayEvents

LoginRegister

Create an Account

Registration successfull You can now [login](#).

Full Name *

FullName

Email Address *

n@n.n

We'll never share your email with anyone else

Password *

Create a password

Password must be at least 8 characters long

Create Account

Already have an account? [Login](#)

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On Checkout Page:

(checkout.php)

GameDayEvents

Hi, FullNameLogout

Checkout

Billing Information

Full Name

FullName

Email Address

n@n.n

Card Number

1234123412341234

CVV

123

Complete Purchase

Order Summary

Just Dance

Galway

2025-05-22

Price: \$10.75

Quantity: 1

Available Tickets: 35

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(thank-you.php)

GameDay

Events

Hi, FullName

Logout

Thank You for Your Purchase!

Your order has been confirmed and processed successfully.

What's Next?

Your ticket information has been saved to your account. You can view your purchase history in your profile.

View Your Profile

Browse More Events

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Error Prevention & Recoverability

Displays to User that Email is invalid:

(login.php)

GameDay

Events

Login

Register

Login to Your Account

Invalid email or password.

Email Address *

a@a.a

Password *

Login

Don't have an account? Sign up

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Consistency:

(index.php)

GameDay

Events

Hi, FullName

Logout

Featured Event

Gaelic Football

Location: Cork

Date: 2025-03-25

Price: \$15.00

View Details

Upcoming Events

Test

Location: Belfast

Date: 2025-07-25

Price: \$69.00

View Details

Concert

Location: Los Angeles

Date: 2025-07-12

Price: \$25.00

View Details

Just Dance

Location: Galway

Date: 2025-05-22

Price: \$10.75

View Details

View All Events

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Sports Events

Discover and register for exciting sports events happening near you!

All Locations

Search

Found 4 events.

Gaelic Football

Location: Cork

Date: 2025-03-25

Price: \$15.00

View Details

Capacity: 100/100

Concert

Location: Los Angeles

Date: 2025-07-12

Price: \$25.00

View Details

Capacity: 45/45

Event Management

Event Name

Location

Date

dd/mm/yyyy

Price

Capacity

Create

Event List

- Test (Belfast)

EditDelete
- Concert (Los Angeles)

EditDelete
- Just Dance (Galway)

EditDelete
- Gaelic Football (Cork)

EditDelete

Minimal Clicks (3):

1.
(index.php)

GameDayEvents

Hi, AdminLogout

Featured Event

Gaelic Football

Location: Cork

Date: 2025-03-25

Price: \$15.00

View Details

Upcoming Events

Test

Location: Belfast

Date: 2025-07-25

Price: \$69.00

View Details

Concert

Location: Los Angeles

Date: 2025-07-12

Price: \$25.00

View Details

Just Dance

Location: Galway

Date: 2025-05-22

Price: \$10.75

View Details

View All Events


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2.
(event.php)

GameDayEvents

Hi, AdminLogout

Gaelic Football



Event Details

Location: Cork

Date: 2025-03-25

Price: \$15.00

Capacity: 100/100

Buy TicketsTo Events

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3.
(checkout.php)

GameDay

Events

Hi, Admin

Logout

Checkout

Billing Information

Full Name

Enter Name

Email Address

Enter Email

Card Number

1234 5678 9000 0000

CVV

123

Complete Purchase

Order Summary

Gaelic Football

Cork

2025-03-25

Price: \$15.00

Quantity: 1

Available Tickets: 100

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Validation Testing

Found in “checkout.php”

GameDayEvents

Hi, AdminLogout

Checkout

Billing Information

Error: Card number must be 16 digits.

Full Name

Enter Name

Email Address

Enter Email

Card Number

1234 5678 9000 0000

CVV

123

Complete Purchase

Order Summary

Just Dance

Galway

2025-05-22

Price: \$10.75

Quantity: 1

Available Tickets: 35

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GameDayEvents

Hi, AdminLogout

Checkout

Billing Information

Error: CVV must be 3 digits.

Full Name

Enter Name

Email Address

Enter Email

Card Number

1234 5678 9000 0000

CVV

123

Complete Purchase

Order Summary

Just Dance

Galway

2025-05-22

Price: \$10.75

Quantity: 1

Available Tickets: 35

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Found in “Register.php”

GameDayEvents

LoginRegister

Create an Account

Error: A user with this email already exists.

Full Name *

Admin

Email Address *

a@a a

We'll never share your email with anyone else

Password *

Password must be at least 8 characters long

Create Account

Already have an account? [Login](#)

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Requirements Testing

Use Cases (Based on UseCaseSpec)

- Search and Browse Events | Completed
- View Event Details | Completed
- Select and Reserve Tickets | Incomplete
- Purchase Tickets | Completed
- Cancel or Refund Tickets | Completed