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

Assignment 4: Software Testing

Declaration:

I herby certify that this material, which I now submit for assessment on the programme of study leading to the award of Honours Degree in Computing in the Institute of Technology Blanchardstown, is entirely my own work except where otherwise stated.
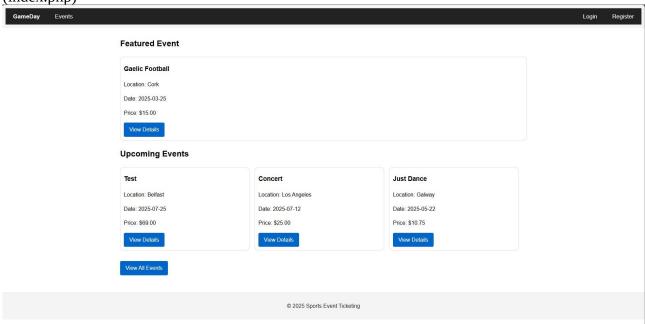
Author: B00160049 Robert Melciu   Dated: 24/4/25
Author: B00164905 Shae Mohammed   Dated: 24/4/25
Author: B00165542 Sergio Garcia   Dated: 24/4/25

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)

(event.php)

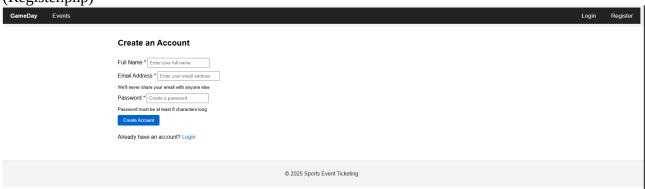## Guides User to Login First
(login.php)

Feedback

On Register Page:

(Register.php)

On Checkout Page:

(checkout.php)

(thank-you.php)

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)

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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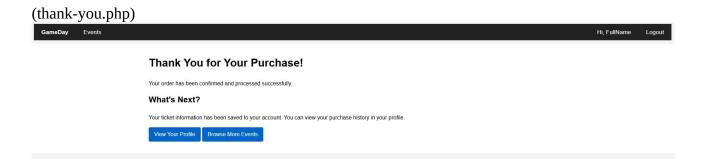Consistency:

(index.php)

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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(product.php)

Sports Events

Discover and register for exciting sports events happening near you!

| Search events... | 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

(admin-events.php)

Event Management

Event Name [   ]   Location [   ]   Date [dd / mm / yyyy 📅]   Price [   ]   Capacity [   ]

Create

Event List

- Test (Belfast)   Edit   Delete
- Concert (Los Angeles)   Edit   Delete
- Just Dance (Galway)   Edit   Delete
- Gaelic Football (Cork)   Edit   Delete

Minimal Clicks (3):

1.
(index.php)

2.
(event.php)

3.
(checkout.php)

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
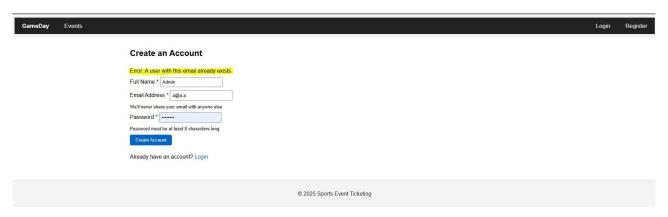
Quantity: 1

Available Tickets: 100

Validation Testing

Found in "checkout.php"

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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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"

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