



SCHOOL OF COMPUTING, ENGINEERING AND BUILT ENVIRONMENT

WEB APPLICATION DEVELOPMENT 2 PRACTICAL EVIDENCE

Coursework Test Plan & Feature Justification


Module Name: Web Application Development 2

Module Code: M3I325640

Module Leader: Fiona Fairlie

Student name: Zayd Hussain

Student Number: S2212398

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System Test Plan for Dance Class Booking System

Live Site  -

<https://zayd-hussain-wad2-cw-4c8b73e87e34.herokuapp.com/>

Test Scope:

Functional Testing was carried out for the following:

1. Landing page & course browsing
2. User login, register & logout
3. Booking as registered user
4. Booking as guest
5. Admin panel management

Screenshot Evidence Shown Below Table

Test Cases			
Test ID	Action	Expected Outcome	Status
1.1	Load courses (http://localhost:3000/)	Course page loads with courses	OK
1.2	Click on "View Classes" button on the course section	Class details page loads with booking options	OK
2.1	Submit login with correct details	Redirected to courses page with session stored	OK
2.2	Submit login with wrong password	Redirects to login page with error message	OK
3.1	Logged in user books a class	Redirects to confirmation, booking saved	OK
3.2	Logged in user cancels a booking	Booking removed from My Bookings	OK
3.3	Access my bookings page without logging in	Redirects to login page	OK
4.1	Click "Book Class" button on a class while not logged in	Guest Booking form appears	OK
4.2	Submit guest booking form	Confirmation page loads	OK
5.1	Login as admin and go to admin dashboard	Admin dashboard loads	OK
5.2	Add a new course via admin	Course appears on main page	OK
5.3	Add a class	Class appears on course page	OK
5.4	Export PDF of bookings	PDF downloads successfully	OK

Evidence:

1.1 - Load courses (http://localhost:3000/)

[Courses](#) [Login](#) [Register](#)

Welcome to Dance Class

Here you can find all the information you need about our dance classes. We offer a variety of classes for all levels, from beginners to advanced dancers.

View all upcoming classes, times, and locations by creating an account

Available Courses

Dance: Beginners
Dance Class for Beginners
Duration: 1 weeks
[View Classes](#)

Dance: Intermediate
Dance Class for Intermediate
Duration: 1 weeks
[View Classes](#)

Dance: Advanced
Dance Class for Advanced
Duration: 2 weeks
[View Classes](#)

1.2 - Click on “View Classes” button on the course section

[Courses](#) [Login](#) [Register](#)

Dance: Beginners

Dance Class for Beginners

Duration: 1

Upcoming Classes

Date: 2025-04-09
Time: 03:37
Location: Glasgow Caledonian University
Price: £6
[Book as Guest](#)

Date: 2025-05-02
Time: 16:00
Location: Glasgow Caledonian University
Price: £8
[Book as Guest](#)

2.1 - Submit login with correct details

Courses My Bookings Logout Admin Panel

Welcome, Zayd 🍷

Welcome to Dance Class

Here you can find all the information you need about our dance classes. We offer a variety of classes for all levels, from beginners to advanced dancers.

View all upcoming classes, times, and locations by creating an account

Available Courses

Dance: Beginners
Dance Class for Beginners
Duration: 1 weeks
[View Classes](#)

Dance: Intermediate
Dance Class for Intermediate
Duration: 1 weeks
[View Classes](#)

Dance: Advanced
Dance Class for Advanced
Duration: 2 weeks
[View Classes](#)

2.2 - Submit login with wrong password

Courses Login Register

Login

Invalid login details

Username:

Password:

Login

Don't have an account? [Register here](#).

3.1 - Logged in user books a class

[Courses](#) [My Bookings](#) [Logout](#) [Admin Panel](#)

Dance: Beginners

Dance Class for Beginners

Duration: 1

Upcoming Classes

Date: 2025-04-09

Time: 03:37

Location: Glasgow Caledonian University

Price: £6

[Book Class](#)

Date: 2025-05-02


Time: 16:00

Location: Glasgow Caledonian University

Price: £8

[Book Class](#)

[Courses](#) [My Bookings](#) [Logout](#) [Admin Panel](#)

 **Booking Successful!**

Your class booking has been confirmed.

[Back to Courses](#) [View My Bookings](#)

3.2 - Logged in user cancels a booking

My Bookings

Dance: Beginners
Date: 2025-04-09
Time: 03:37
Location: Glasgow Caledonian University
Price: £6

Cancel Booking

My Bookings

Booking cancelled successfully.

You haven't booked any classes yet.

3.3 - Access my bookings page without logging in

[Courses](#) [Login](#) [Register](#)

Login

Username:

Password:

[Login](#)

Don't have an account? [Register here](#).

4.1 - Click "Book Class" button on a class while not logged in

[Courses](#) [Login](#) [Register](#)

Dance: Beginners

Dance Class for Beginners

Duration: 1

Upcoming Classes

Date: 2025-04-09

Time: 03:37

Location: Glasgow Caledonian University

Price: £6

[Book as Guest](#)

Date: 2025-05-02

Time: 16:00

Location: Glasgow Caledonian University

Price: £8

[Book as Guest](#)

Book Class as Guest

Name

Email

Confirm Booking

4.2 - Submit guest booking form

Book Class as Guest

Name

Email

Confirm Booking

Thank you ! 🎉
Your booking has been confirmed.

[Back to Courses](#)

5.1 - Login as admin and go to admin dashboard

Admin Dashboard 🍷

[Add New Course](#) ➕

[Manage Users](#) 👤

Courses:

Dance: Beginners

Dance Class for Beginners

Duration: 1 weeks

[Edit Course](#) [Delete Course](#) [Add Class](#)

Classes:

03:37 Class on 2025-04-09 - Glasgow Caledonian University (£6)

[Edit](#) [Delete](#) [View Bookings](#)

16:00 Class on 2025-05-02 - Glasgow Caledonian University (£8)

[Edit](#) [Delete](#) [View Bookings](#)

Dance: Intermediate

Dance Class for Intermediate

Duration: 1 weeks

[Edit Course](#) [Delete Course](#) [Add Class](#)

Classes:

19:30 Class on 2025-05-10 - Glasgow Caledonian University (£10)

5.2 - Add a new course via admin

[Courses](#) [My Bookings](#) [Logout](#) [Admin Panel](#)

Add a New Course

Course Name

Test Course

Course Description

Test Course Description

Duration (weeks)

10

Add Course

[Courses](#) [My Bookings](#) [Logout](#) [Admin Panel](#)

Welcome, Zayd 🍌

Welcome to Dance Class

Here you can find all the information you need about our dance classes. We offer a variety of classes for all levels, from beginners to advanced dancers.

View all upcoming classes, times, and locations by creating an account

Available Courses

Dance: Beginners
Dance Class for Beginners
Duration: 1 weeks

View Classes

Test Course
Test Course Description
Duration: 10 weeks

View Classes

Dance: Intermediate
Dance Class for Intermediate
Duration: 1 weeks

View Classes

Dance: Advanced
Dance Class for Advanced
Duration: 2 weeks

View Classes

5.3 - Add a class

Add Class to Course

Date

17/04/2025

Time

09:00

Location

Glasgow Caledonian University

Price (£)

10

Add Class

Test Course

Test Course Description

Duration: 10

Upcoming Classes

Date: 2025-04-17

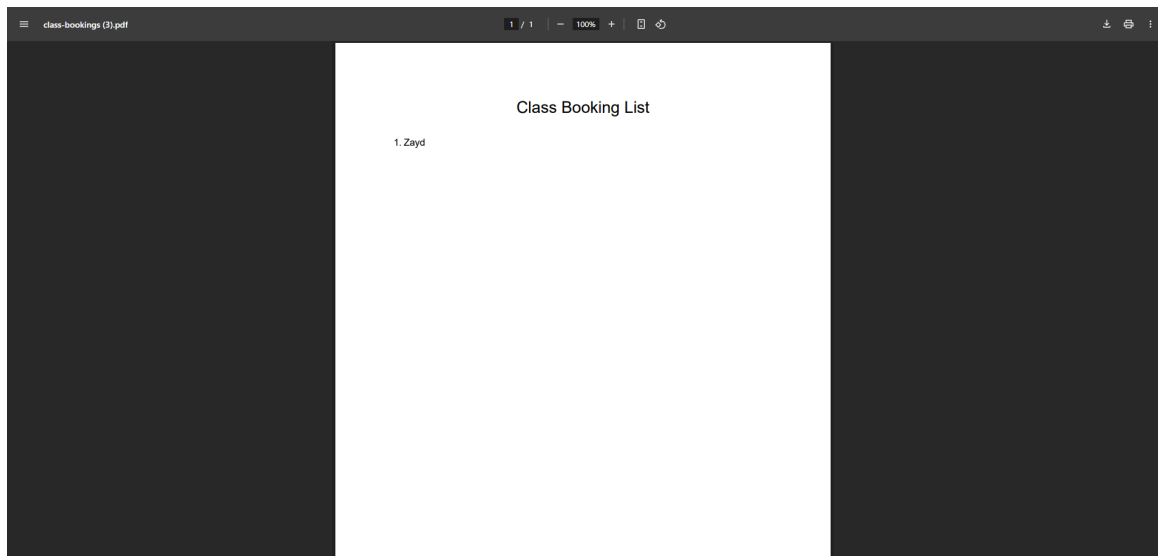
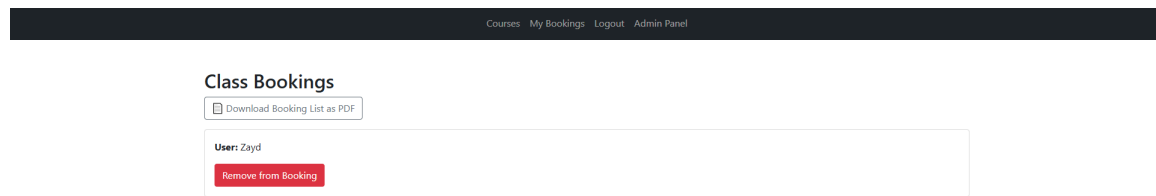
Time: 09:00

Location: Glasgow Caledonian University

Price: £10

Book Class

5.4 - Export PDF of bookings



Summary Test Results

- Core web app functionalities work for users and admins.
- Admin features are fully functional and accessible only to organisers.

Feature Justification

New Features Added (Not in Original Specification)

- PDF Export
- User Account Creation
- User Booking History
- Booking Cancellation

Justification

- Admins can download a PDF list of all users booked into a class.
- Users can create an account and book classes.
- Users can view and manage a list of all their booked classes.
- Users can cancel their own class bookings directly.