



# EventSpace

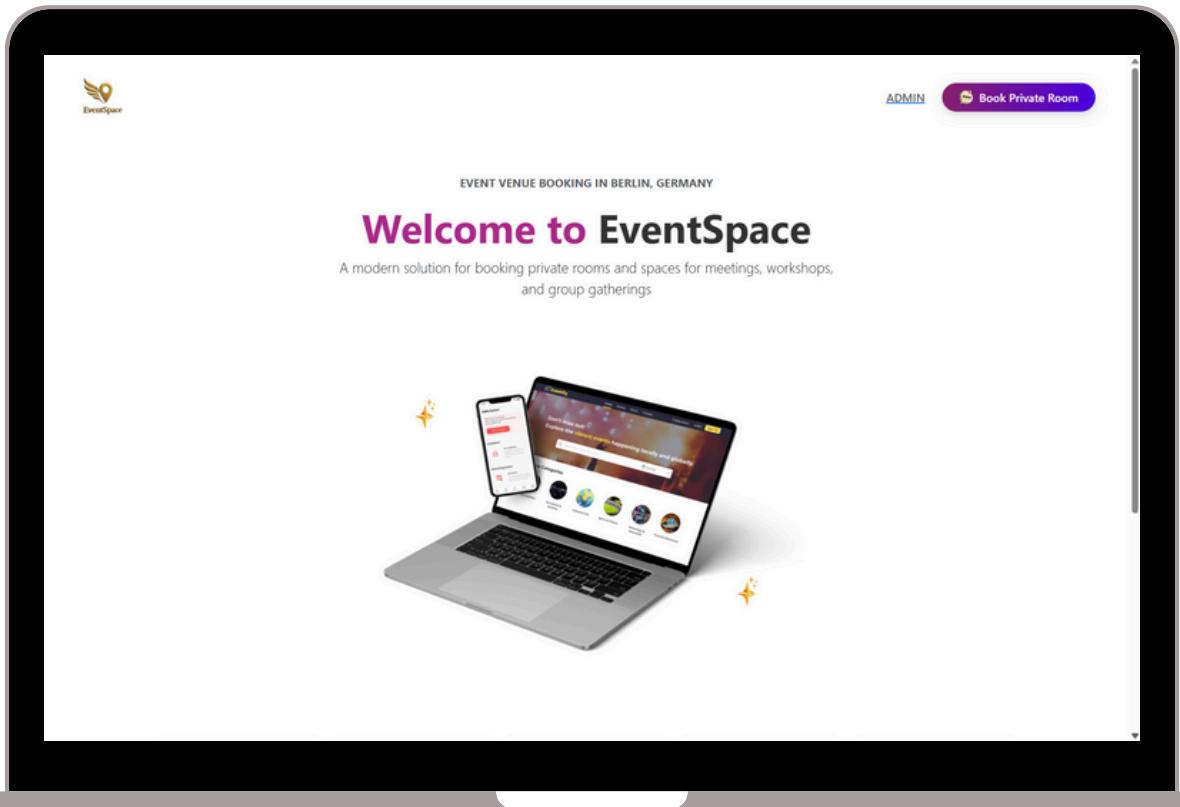
# Smart Booking

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Prepared for  
**Advanced Project for IS**

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May, 2025



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# A web-based booking system designed for educational institutions and co-working spaces.

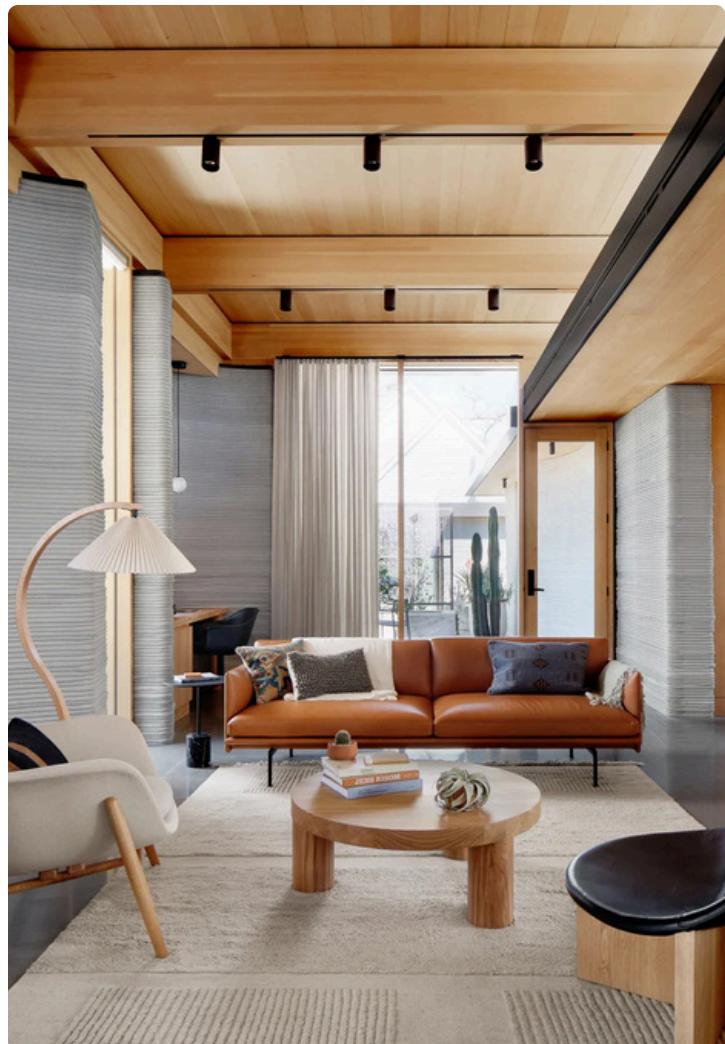
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## Introduction

EventSpace allows users to visually select a room, choose a time slot, and confirm a reservation—all while preventing double bookings. Users also receive an email confirmation for successful bookings.

## Problem Statement

Manual room reservation processes often lead to scheduling conflicts, time wastage, and poor resource management. Without a centralized digital system, users may lack clarity on availability. EventSpace solves this issue with a modern, easy-to-use interface that automates confirmations and eliminates errors.

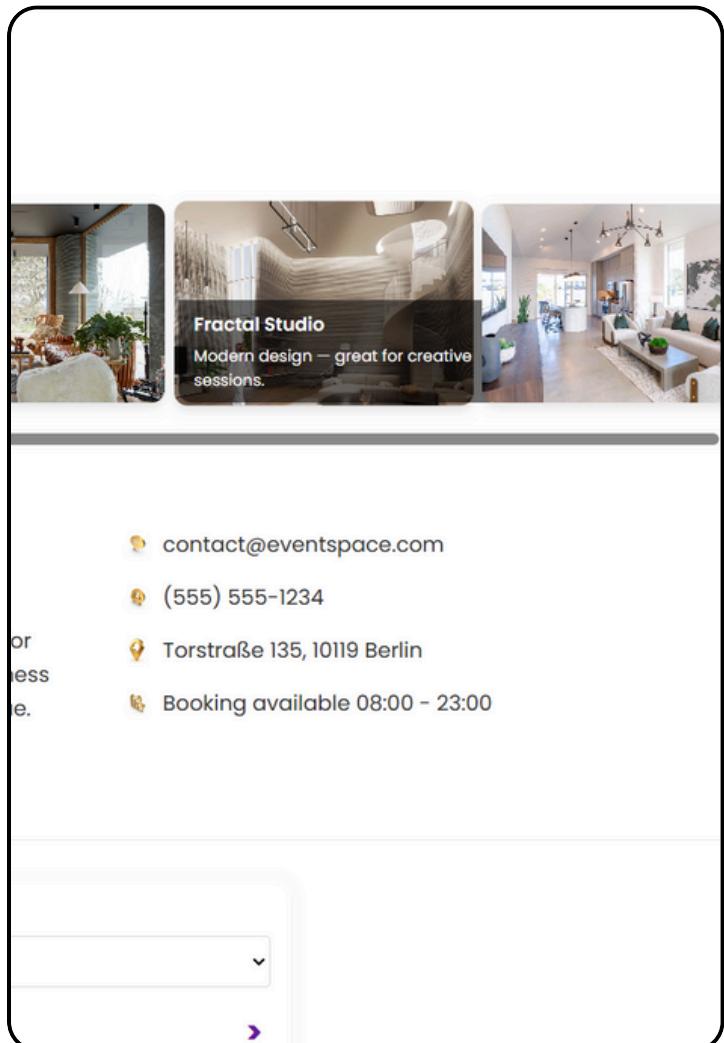


# Technology Stack

- Frontend: HTML5, CSS3, JavaScript
- Backend: PHP
- Database: MySQL
- Email: PHPMailer (SMTP with Gmail)

## Usage Guide

- Sign in to the system
- Log in using your credentials
- From the main interface, select a room and a date
- Choose your preferred start and end time
- Enter your name and email
- Click "Confirm Booking"
- A confirmation email will be sent, and your booking will be stored in the database
- Admin login: admin\_login.php
- Admin can view/manage all bookings in admin.php



## Installation Instructions

1

Clone the repository

```
git clone https://github.com/zhaniyazh/EventSpaceApp_19P.git
```

2

Navigate into the project directory

```
cd EventSpaceApp_19P
```

3

Set up your local server (I've used XAMPP)

4

Import the database

- Open phpMyAdmin
- Create a new database named `eventspace\_db`
- Import the provided SQL file `eventspace\_db.sql`

5

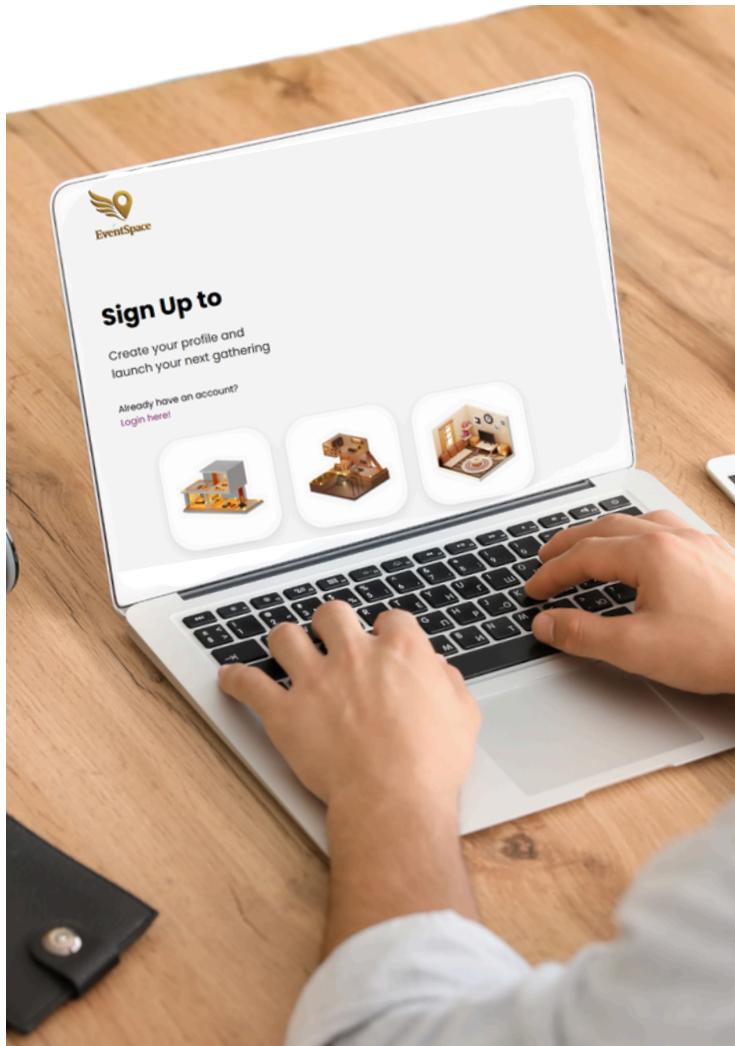
Configure PHPMailer

- Set your Gmail and App Password in the PHPMailer section

# Testing

This project does not include an automated test suite. However, the following manual tests are recommended:

- Booking Conflict Test: Attempt to book a room at the same date and time as an existing confirmed booking. The system should detect the overlap.
- Form Validation Test: Submit the sign up form with missing or invalid inputs/passwords (empty fields, less than 8 characters, password mismatch). The system should display appropriate error messages.
- Admin Panel Access Test: Request a verification code and attempt to log in to the admin panel. Only valid codes should allow access.



## Known Issues / Limitations

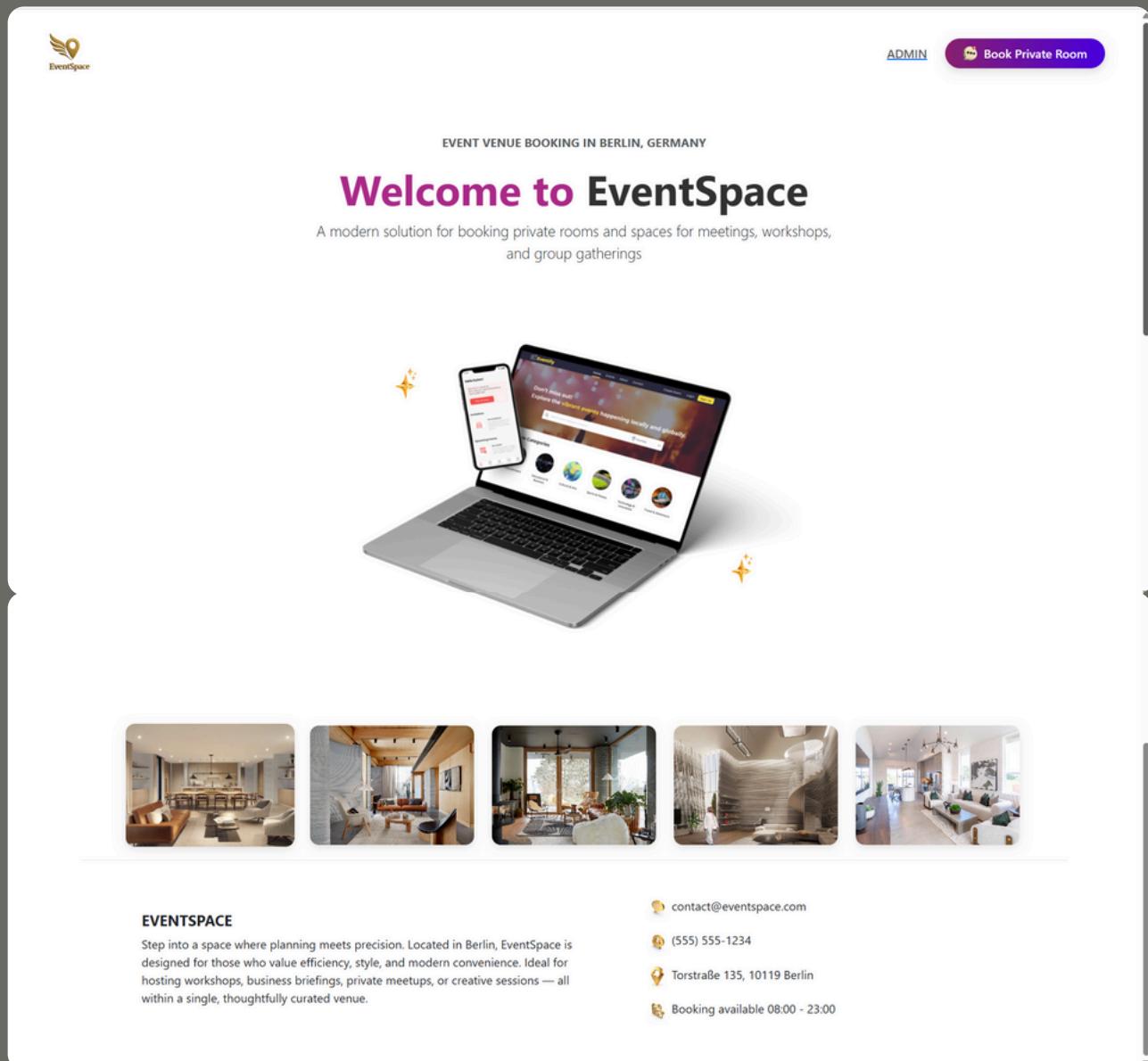
- Users can book, although they cannot manage their bookings after submission — only admin has access.
- Admin authentication is basic (no hashed passwords), though an email verification code is applied for security.
- Password reset is currently not supported.

## References

- [PHPMailer Documentation](#)
- [W3Schools PHP Tutorial](#)
- [Font: Poppins – Google Fonts](#)

## Steps

# Working algorithm



The screenshot shows the EventSpace app's main landing page. At the top, there is a navigation bar with the EventSpace logo, a user icon labeled "ADMIN", and a purple button labeled "Book Private Room". Below the navigation bar, the text "EVENT VENUE BOOKING IN BERLIN, GERMANY" is displayed. The main heading "Welcome to EventSpace" is prominently shown in a large, bold, pink font. A subtext below it reads: "A modern solution for booking private rooms and spaces for meetings, workshops, and group gatherings". The center of the page features a large image of a laptop and a smartphone both displaying the EventSpace website. Below this, there is a row of five smaller thumbnail images showing different interior spaces: a modern living room, a lounge area with a sofa and chairs, a bright room with large windows, a curved staircase, and a spacious living room with a fireplace.

**EVENTSPACE**

Step into a space where planning meets precision. Located in Berlin, EventSpace is designed for those who value efficiency, style, and modern convenience. Ideal for hosting workshops, business briefings, private meetups, or creative sessions — all within a single, thoughtfully curated venue.

contact@eventspace.com  
(555) 555-1234  
Torstraße 135, 10119 Berlin  
Booking available 08:00 - 23:00

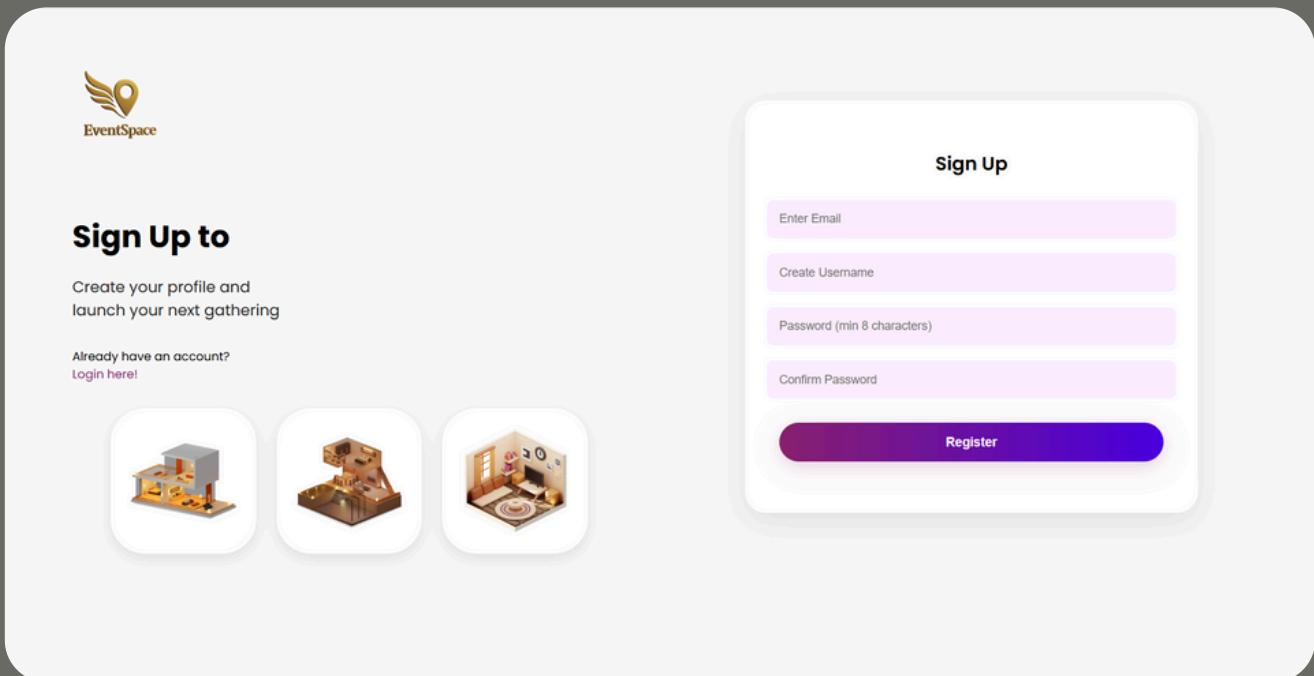
01 Main page  
index.php

This is the landing page of the EventSpace app. It provides the homepage interface where users are introduced to the system.



## Steps

# Working algorithm

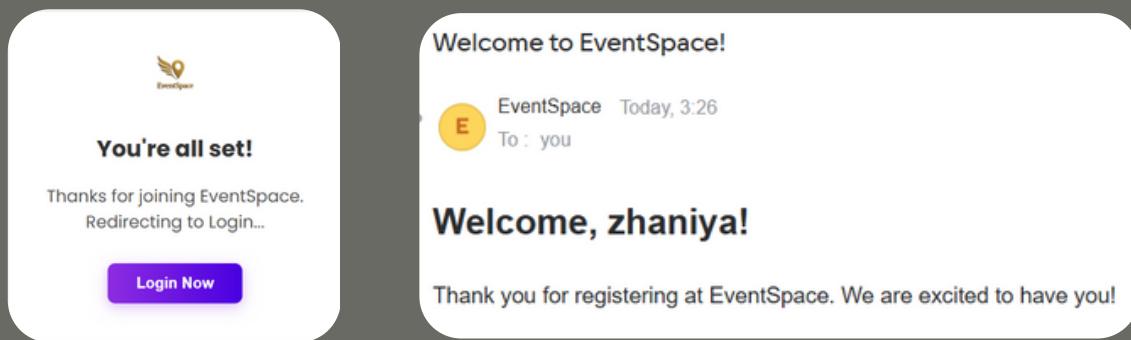


The image shows the EventSpace sign-up interface. At the top left is the EventSpace logo. Below it is a section titled "Sign Up to" with the sub-instruction "Create your profile and launch your next gathering". A link "Already have an account? Login here!" is present. Three small icons representing different room types are shown below. To the right is a "Sign Up" form with fields for "Enter Email", "Create Username", "Password (min 8 characters)", and "Confirm Password", followed by a purple "Register" button.



Three error message boxes are displayed:

- Password Mismatch**: "Passwords do not match." with an "OK" button.
- Weak Password**: "Password must be at least 8 characters long." with an "OK" button.
- Error**: "This email is already registered. Please login through your email." with an "OK" button.



Two confirmation boxes are shown:

- You're all set!**: "Thanks for joining EventSpace. Redirecting to Login..." with a "Login Now" button.
- Welcome to EventSpace!**: An email from "EventSpace Today, 3:26" to "you" with the subject "Welcome, zhaniya!". The message says "Thank you for registering at EventSpace. We are excited to have you!"

## 02 Registration

register.php

This page allows new users to create an account in the system.

- User fills in personal details like name, email, password.

On form submission:

- Inputs are validated.
- Password is hashed.
- User data is saved to the database.
- Users get welcome email to their email.
- Confirmation message with redirection to login page occurs.



## Steps

# Working algorithm

The screenshot shows the EventSpace login page. At the top left is the EventSpace logo. Below it, a heading says "Let's get started" followed by the text "Manage your events, spaces, and bookings — all in one place." A link "Don't have an account? Register here!" is present. Three icons representing different room types are shown below. On the right is a "Sign In" form with fields for email ("220103082@stu.sdu.edu.kz") and password ("....."). A purple "Login" button is at the bottom.

The screenshot shows the EventSpace login page again. This time, an error message "Incorrect password. Please try again." is displayed in a red box on the left side of the form. The "Sign In" form fields for email and password are empty. A purple "Login" button is at the bottom.

## 03 Login

login.php

This page handles user authentication using stored credentials.

Steps:

1. User inputs registered email and password.
2. On submission:
  - o System verifies credentials.
  - o If correct: user is redirected to book.php.
  - o If incorrect: error message is shown.

## Steps

# Working algorithm

The screenshot shows the EventSpace booking interface. At the top right is a purple "Logout" button. Below it is a banner featuring five images of different rooms: "The Studio" (described as perfect for meetings), a modern living room, a room with large windows, a minimalist room, and a bright lounge area. To the left is the EventSpace logo. In the center, there's a "EVENTSPACE" section with a brief description: "Step into a space where planning meets precision. Located in Berlin, EventSpace is designed for those who value efficiency, style, and modern convenience. Ideal for hosting workshops, business briefings, private meetups, or creative sessions – all within a single, thoughtfully curated venue." To the right are contact details: email (contact@eventspace.com), phone ((555) 555-1234), address (Torstraße 135, 10119 Berlin), and booking availability (08:00 – 23:00). Below this is a "Select Room:" dropdown menu with "Choose a room". A calendar for May 2025 shows the 5th as the selected date. Under "Choose Time", there are "Start Time:" and "End Time:" dropdown menus, both currently set to "Select start".

This screenshot provides a detailed look at the "Select Room:" and "Select start" dropdowns. The "Select Room:" dropdown shows a list of rooms: "Choose a room", "The Studio", "Oak Room", "Botanica Lounge", "Fractal Studio", and "The Gallery Room". The "The Studio" option is highlighted with a blue background. The "Select start" dropdown shows times from 08:00 to 14:00, with "11:00" highlighted. Both dropdowns have a "Select end" option at the bottom.

## 04 Booking

book.php

This is the booking page where users reserve a room.

Steps:

1. User selects:
  - o Room
  - o Date and time

## Steps

# Working algorithm

**Choose Time**

11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**Start Time:** 10:00      **End Time:** 11:00

**Complete Your Booking**

The selected time slot overlaps with an existing booking.

**Full Name**

**Email**

Booking: The Studio, 2025-05-06 from 10:00 to 11:00

**Confirm Booking**

**Complete Your Booking**

**Full Name**  
Zhaniya

**Email**  
220103082@stu.sdu.edu.kz

Booking: The Studio, 2025-05-06 from 15:00 to 16:00

**Confirm Booking**



## 04 Booking 1

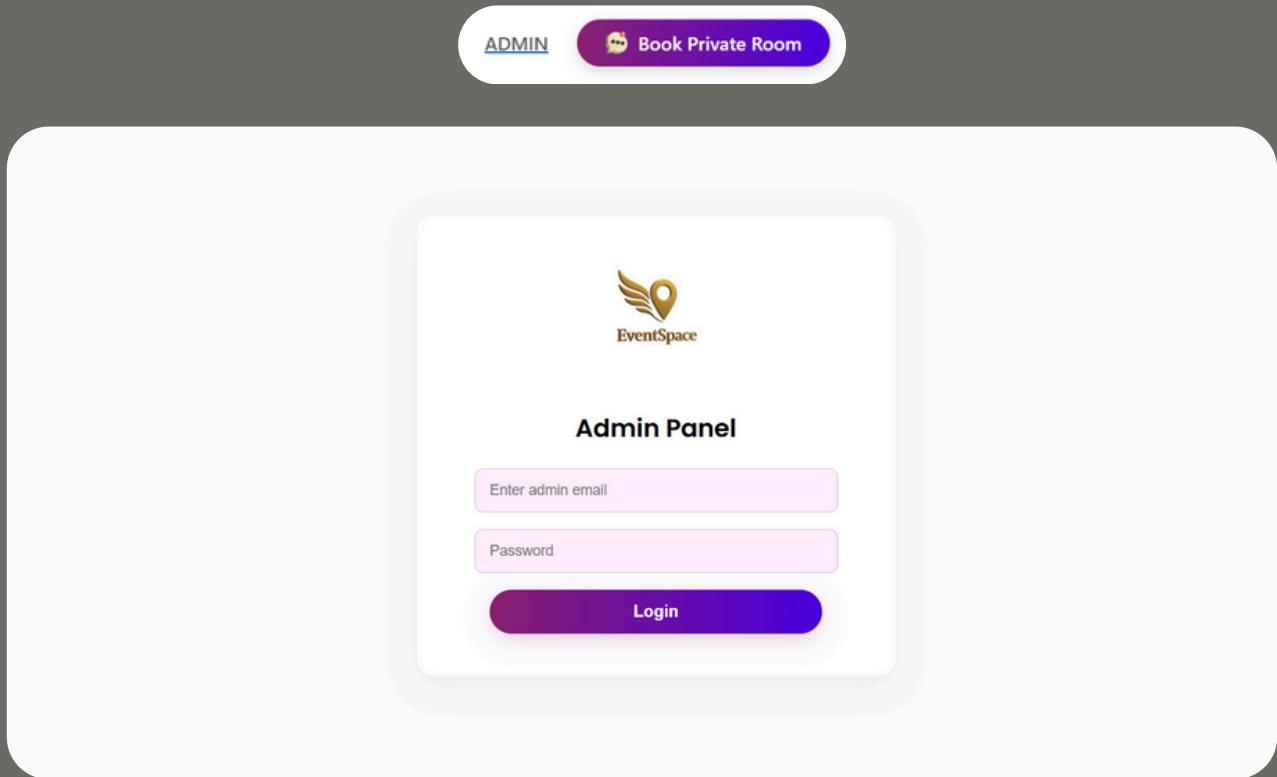
book.php

2. System checks for availability.
3. Booking is saved in the database.
4. Email confirmation is sent to the user.

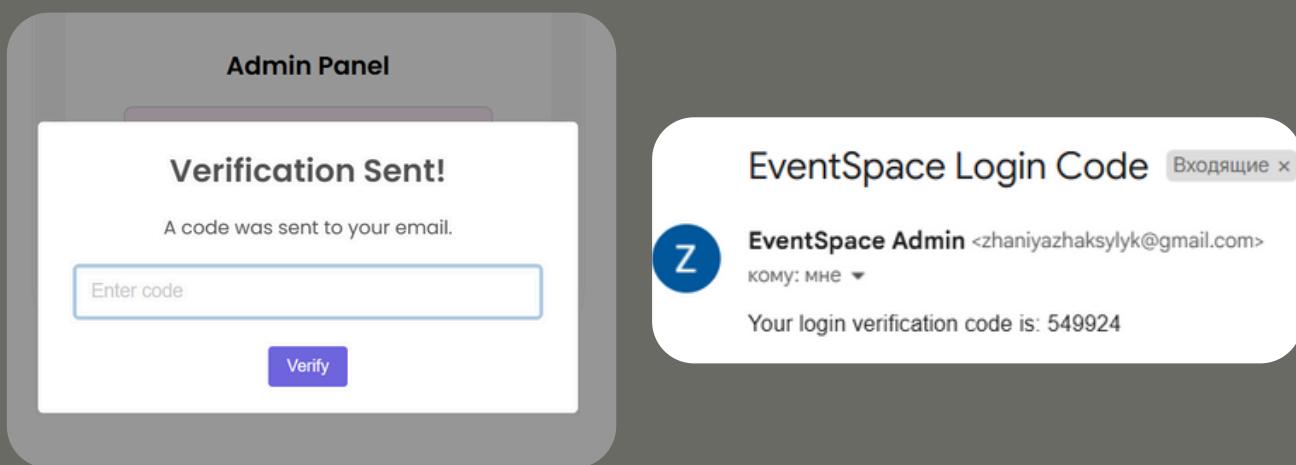


## Steps

# Working algorithm



```
($email === 'zhaniyazhaksylyk@gmail.com' && $password === 'EventSpace12345')
```



## 05 Admin login admin\_login.php

The page is a secured login interface exclusively for administrators. It implements a two-step verification process to enhance system security before granting access to the admin dashboard.

Steps:

1. Admin enters fixed credentials.
2. System validates credentials.
3. On success: sends verification code.
4. If the code is correct, access is granted and directs to admin.php.

# Steps

# Working algorithm

The screenshot shows the EventSpace Admin Panel interface. At the top, there is a logo and a "Log out" button. Below that is a table with columns: Name, Email, Room, Date, Start, End, Status, and Actions. The table contains five rows of booking data:

Name	Email	Room	Date	Start	End	Status	Actions
Zhaniya	zhaksylyk5@mail.ru	The Studio	05/05/2025	12:00:00	13:00:00	confirmed ✓	<button>Save</button> <button>Delete</button> <button>Email</button>
Zhaniya	zhaksylyk5@mail.ru	The Studio	05/06/2025	08:00:00	11:00:00	confirmed ✓	<button>Save</button> <button>Delete</button> <button>Email</button>
Alina	zhaksylyk5@mail.ru	Spiral Studio	05/06/2025	14:00:00	15:00:00	confirmed ✓	<button>Save</button> <button>Delete</button> <button>Email</button>
Adiya	220103082@stu.sdu.edu.kz	The Studio	05/06/2025	15:00:00	16:00:00	confirmed ✓	<button>Save</button> <button>Delete</button> <button>Email</button>
Nurdana	zhaksylyk5@mail.ru	Spiral Studio	08/13/2025	14:00:00	15:00:00	cancelled ✗	<button>Save</button> <button>Delete</button> <button>Email</button>

This screenshot shows a detailed view of a booking. It includes fields for Date, Start, End, and Status. The Date is set to 05/05/2025. The Start time is 12:45:00 and the End time is 13:45:00. The Status dropdown menu is open, showing options: confirmed (selected), confirmed, pending, and cancelled.

The screenshot shows an email message from EventSpace. The subject is "EventSpace Today, 6:38". The recipient is "you". The message body says:

Hi Zhaniya,

Your booking for The Studio on 2025-05-06 from 08:00:00 to 11:00:00 is CANCELLED.

Thank you!

## 05 Admin panel

admin.php

The admin dashboard page, which gives full control over rooms, bookings, and users.  
Steps:

1. Admin can:
  - o View and manage all bookings.
  - o Add or delete rooms.
  - o Manage users' name/email.
  - o Send email to users.

2. Tables are connected dynamically with database content.





EventSpace

Thanks

Zhaniya Zhaksylyk