Open space – Workspace

This page encompasses the complete set of functional requirements for this project. These requirements outline the expected functionality and behavior of the system, making them of utmost significance and necessitating their full implementation.

The main goal of the project is to provide a simple and convenient process for renting workspaces, adapted to the diverse needs of professionals seeking a flexible work environment. The primary objective is to create a platform that ensures the achievement of the project's goal.

Roles

Role	Description
User	- Create a reservation - Update reservation - Delete reservation - Payment - Cancel reservation - View information about workspaces - View reserved time of workspaces - View list of reservations - Search reservations - Manage account - Log out
Admin	- Add new workspace - Edit information about workspace - Delete workspace - View information about workspaces - Manage account - Log out
Guest	- Register in a system - Log in - View information about workspaces - View reserved time of workspace

Reserve Management System

№	Role	Use case	User story
1.	User	Create a reservation	As a User, I want to create a reservation for a workspace so that I can secure a dedicated space for my work at a specified date and time.
2.		Update a reservation time	As a User, I want to update the time of a reservation so that I can easily adjust the timing based on changes in my schedule, ensuring flexibility and accurate representation of my intended workspace usage.
3.		Update a reservation title	As a User, I want to update the title of a reservation so that I can accurately reflect the purpose or nature of the reservation, providing clarity and organization in my workspace bookings.
4.		Delete a reservation	As a User, I want to delete a reservation of a workspace so that I can cancel and remove any bookings I no longer need, ensuring accurate availability and preventing unnecessary charges.
5.		Payment	As a User, I want to pay for a reservation of a workspace so that I can confirm and secure my booking, ensuring a dedicated space for my work during the specified date and time.
6.		Get invoice	As a User, I want to receive an invoice detailing the payment for my reservations so that I can have a clear record of the transaction, including the amount paid, date, and relevant billing information for financial tracking and reconciliation purposes.
7.		Cancel reservation	As a User, I want to cancel a reservation of a workspace and get my money back so that I can easily adjust my plans without incurring unnecessary expenses, providing flexibility and financial reassurance.
8.		View list of reservations	As a User, I want to view a list of my reservations, including reservation number, workspace, reservation name, address, and the start and end times of each reservation. This will help me keep

			track of my bookings and plan my work schedule more efficiently.
9.		View total sum of own reservation	As a User, I want to view the total sum of my reservation so that I can quickly assess and keep track of the overall cost associated with my bookings, helping me manage my budget effectively.
10.		Search reservations	As a User, I want to search reservations by title so that I can easily locate specific bookings and quickly access relevant details about those reservations, streamlining the process of managing and organizing my workspace reservations.
11.		Edit personal information	As a User, I want to edit my personal information so that I can keep my account details up-to-date and ensure that the information associated with my reservations is accurate.
12.		Change password	As a User, I want to change my password so that I can enhance the security of my account and ensure the confidentiality of my personal information and reservation data.
13.		Delete an account	As a User, I want the ability to delete my account so that I can permanently remove my personal information and reservation history from the system, ensuring privacy and discontinuing my association with the platform.
14.		Security	As a User, I want my data, including personal information and payment details, to be encrypted during transmission and storage to guarantee the confidentiality of my information.
15.		Reliability	As a User, I want the reservation system to minimize downtime and errors, providing a reliable platform for managing my reservations.
16.		Auditability	As a User, I want all reservation-related actions to be logged for auditing purposes, ensuring transparency and accountability in the system.

17.		Payment gateway security	As a User, I want the payment functionality to integrate with a secure payment gateway, ensuring the safety of my financial transactions and compliance with industry standards.
18.		Notification System	As a User, I want to receive accurate notifications (email) for reservation confirmations, updates, cancellations, and payment receipts, ensuring I stay informed about my reservations.
19.	User/ Guest	View all workspaces	As a User or Guest, I want to view a comprehensive list of all available workspaces so that I can explore and choose from a variety of options based on my preferences and requirements.
20.		View time schedule of workspace	As a User or Guest, I want to view the time schedule of a workspace so that I can understand its availability, plan my reservations accordingly, and ensure that I select a suitable time for my work.
21.		View description of workspace	As a User or Guest, I want to view the description of a workspace so that I can gain insights into its features, amenities, and suitability for my needs, helping me make informed decisions when selecting a workspace for reservation.
22.		View address of workspace	As a User or Guest, I want to view the address of a workspace so that I can easily locate and navigate to the designated location, ensuring a smooth and convenient experience when accessing the reserved workspace.
23.		View pay for an hour of workspace	As a User or Guest, I want to view the payment details for an hour of workspace so that I can understand the cost associated with a short-term reservation and proceed with the payment, providing flexibility and transparency in the booking process.
24.		View reserved time of particular workspace	As a User or Guest, I want to view the reserved time slots of a particular workspace so that I can check its availability and plan my own reservations accordingly, ensuring effective time management and utilization of the workspace.

№	Role	Use case	Story
25.		Performance	As a User or Guest, I want the reservation system to respond to my actions within 3 seconds, ensuring a swift and efficient user experience.
26.		Availability	As a User or Guest, I want the reservation system to be available 99.9% of the time, ensuring uninterrupted access to my reservation functionalities at any given moment.
27.		Information Accessibility	As a User or Guest, I want the reservation system to provide clear and easily accessible information about workspaces, including their time schedules and reserved time slots for a particular workspace.
28.		User Interface responsiveness	As a User or Guest, I want the reservation system's user interface to be responsive and user-friendly across various devices and screen sizes, providing a seamless experience.
29.		Language Localization	As a User or Guest, I want the reservation system's user interface to be localized in English, ensuring a uniform and comprehensible experience for all users.

Admin Management System

№	Role	Use case	Story
30.		Add new workspace	As an Admin, I want to be able to add a new workspace to the system, providing necessary information. This will allow me to efficiently manage and expand the available workspaces within the reservation system.
31.	Admin	Edit workspace	As an Admin, I want to edit workspace information, including time schedule, description, address, and pay for an hour details, to keep the data accurate and up-to-date for users.
32.		Delete workspace	As an Admin, I want to delete a workspace along with all associated information, ensuring the removal of outdated or irrelevant workspaces from the system.

№	Role	Use case	Story
33.		View workspaces	As an Admin, I want to view all workspaces and their respective information, providing a comprehensive overview for effective workspace management.
34.		Edit personal information	As an Admin, I want to have the ability to edit my personal information, ensuring that my account details are accurate and up-to-date.
35.		Change password	As an Admin, I want the capability to change my password, ensuring the security of my account and system access.
36.		Performance	As an Admin, I want the reservation system to respond to my actions, such as adding, editing, or deleting workspaces, within 3 seconds. This ensures efficient and timely management of workspaces, contributing to a seamless administrative experience.
37.		Scalability	As an Admin, I want the system to handle the viewing of all workspaces efficiently, ensuring optimal performance even as the number of workspaces grows.
38.		Interface Responsiveness	As an Admin, I want the admin interface to be responsive and user-friendly, ensuring efficient navigation and usability across various devices and screen sizes. This will provide a seamless and effective administrative experience.

Account Management System

№	Role	Use case	Story
39.	User/Admin	Log out	As a User/Admin, I want to be able to log out of the system, ensuring a secure and controlled access to the reservation platform and protecting sensitive information from unauthorized access.
40.		Performance	As a User/Admin, I want the system to log me out within 3 seconds of initiating the logout

			action, ensuring a swift and responsive experience.
41.		Interface Responsiveness	As a User/Admin, I want the user interface for logout to be responsive and user-friendly, providing a seamless and intuitive experience.
42.	Guest	Sign up	As a Guest, I want to be able to sign up in the system, providing necessary information to create an account. This will enable me to access additional features and make reservations within the platform.
43.		Registration speed	As a Guest signing up, I want the system to process my registration within 5 seconds, ensuring a smooth and efficient account creation experience.
44.		Password Strength Requirements	As a Guest signing up, I want the system to enforce strong password requirements, ensuring the security of my account and preventing unauthorized access.
45.		Sign up confirmation	As a Guest, I want to sign up for the system and receive a confirmation email. This will ensure the validity of my email address and enable me to activate my account securely.
46.		Confirmation email delivery	As a Guest signing up, I want the confirmation email to be delivered within 5 minutes of account creation, ensuring a prompt verification process.
47.		Log in	As a Guest, I want to log in to the system using my credentials, allowing me to access reserved information or features available to registered users.
48.		Authentication speed	As a Guest, I want the system to authenticate my login credentials within 3 seconds,

			ensuring a quick and efficient login process.
49.		Forgot password	As a Guest, I want to have the option to log in using a 'Forgot Password' feature. This will allow me to reset my password in case I forget it, ensuring a secure and accessible login process.
50.		Password reset	As a Guest, I want the 'Forgot Password' feature to allow me to reset my password securely, utilizing email verification or other secure methods to prevent unauthorized access to my account.
51.		Interface Responsiveness	As a Guest, I want the user interface for login and signup actions to be responsive and user-friendly, providing a seamless and intuitive experience.