



AKDENİZ UNIVERSITY
FACULTY OF ENGINEERING

CSE 236 – Web Programming

Hotel Management Project

Final Report

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Homepage

Home page of the hotel website is shown via index.php. Home consists of header, carousel slide, reservation, contact us and about us sections. Each of these sections are shown below in figures.

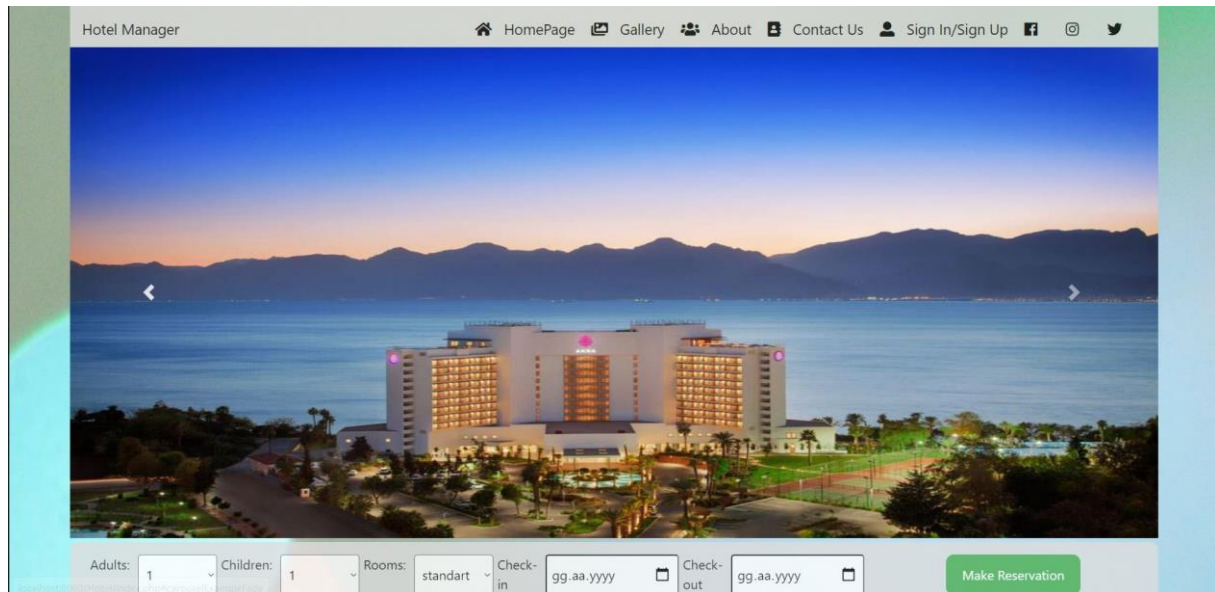


Figure 1: First Part of the Home Page

In the first part of the home page shown in Figure 1, header, slide and reservation screen is placed.

Header part consists of hyperlinks that directs to related page of the hyperlink when clicked.

- **HomePage:** Directs user to the Home Page.
- **Gallery:** Directs user to the Gallery page where the user can see pictures of the hotel.
- **About:** Directs user to the about us section inside index.php.
- **Contact Us:** Directs user to the contact us section inside index.php.
- **Sign In/Sign Up:** Directs user to the login page where the user is able to create new account or login to existing account.
- **Social media hyperlinks:** Directs user to the social media accounts of the hotel. For now it directs the user to accounts of Grand Antalya Hotel.

Carousel slide part consists of pictures of the hotel.

In reservation part, if the user clicks on make reservation button, user is directed to the reservation.php page. Reservation page is shown in Figure 2.

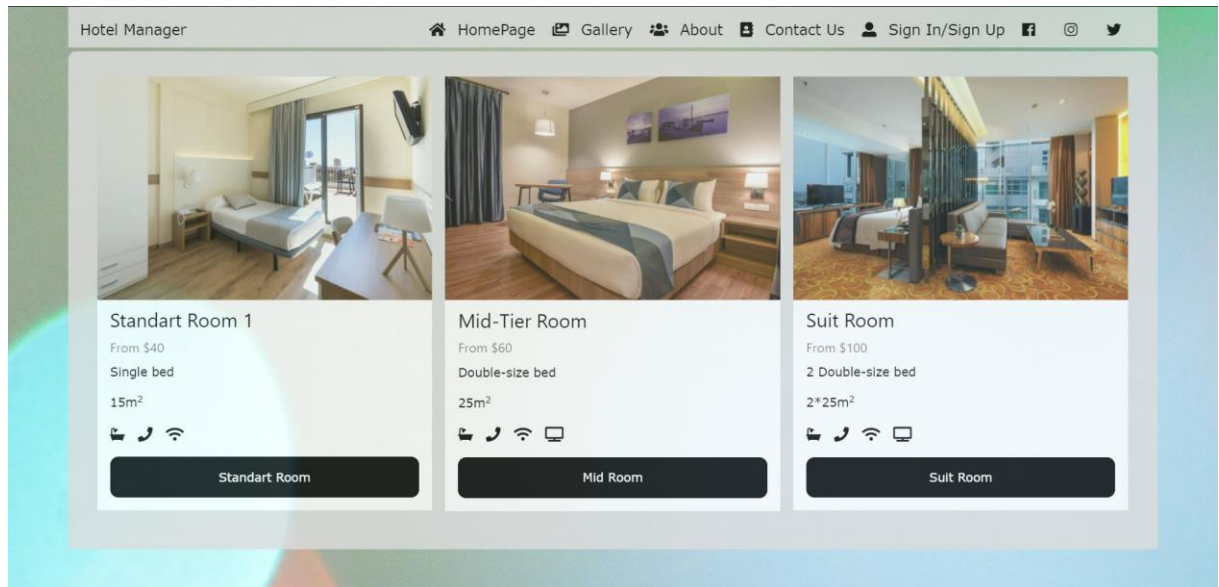


Figure 2: Reservation.php

There are 3 room types: Standart, Mid, Suit.

Second part of the Home Page consists of about us, contact us and footer sections. Screenshot of the second part is shown below in Figure 3.

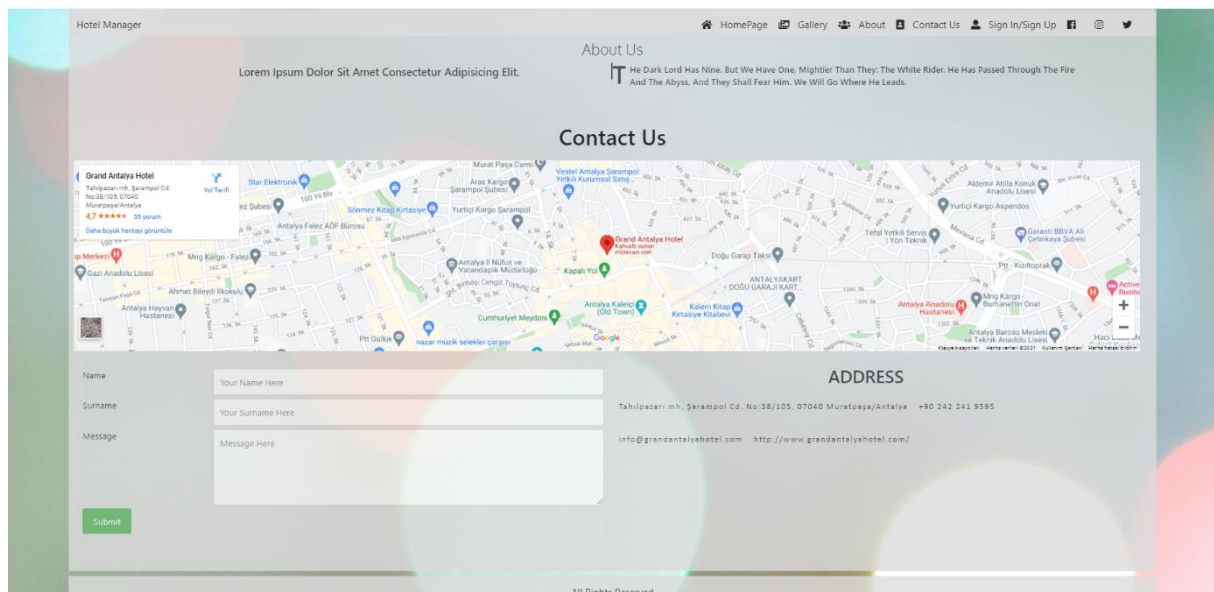


Figure 3: Second Part of the Home Page

Gallery

If the user clicks on the Gallery hyperlink on the Home Page, user will be directed to the gallery.php page. In gallery.php page, there are several example pictures of the hotel to provide user the detailed look in the hotel. Screenshot of the gallery page is shown in Figure 4.

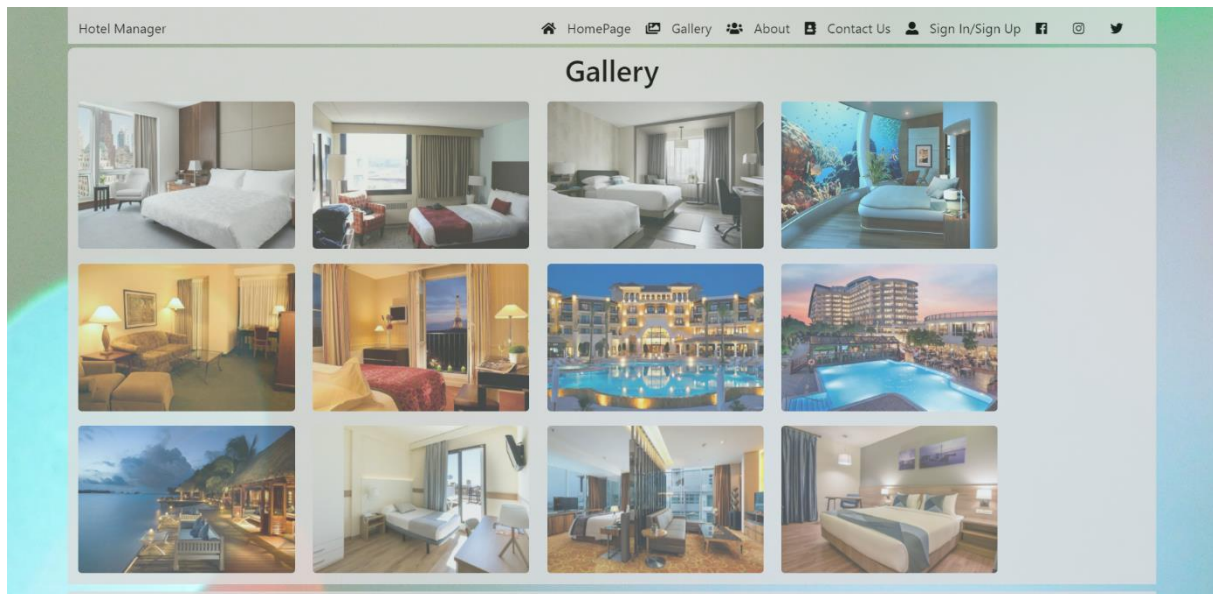
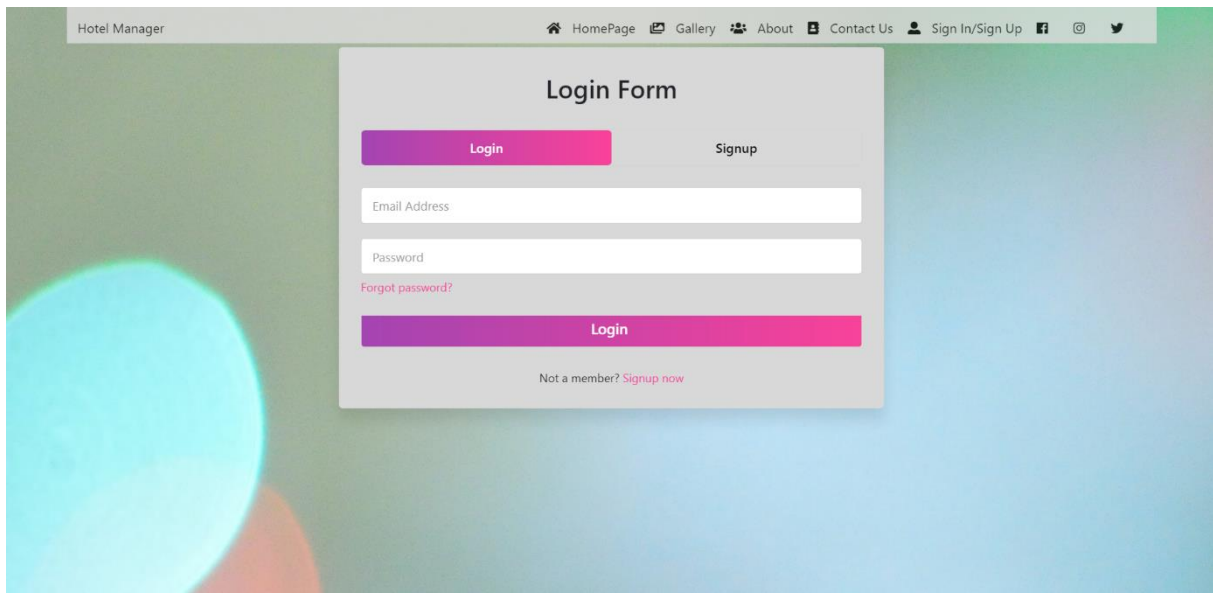


Figure 4: Gallery Page

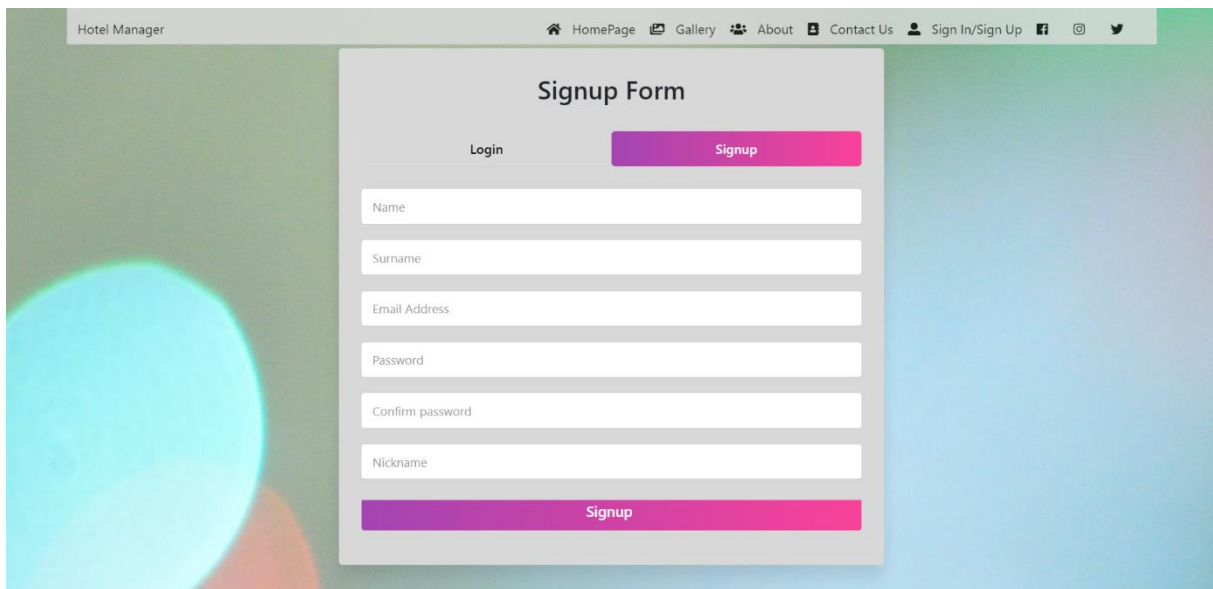
Login Page

If the user clicks to the Sign In/Sign Up hyperlink, user is directed to the loginreg.php. It is preferred to design both login and register sections in one page. Using javascript, page transition animation is done. Screenshots of the Login page and Register page are shown in Figure 5 and Figure 6.



The screenshot shows a web browser window with a navigation bar at the top. The navigation bar includes a logo 'Hotel Manager' on the left and a series of links: 'HomePage', 'Gallery', 'About', 'Contact Us', 'Sign In/Sign Up', and social media icons for Facebook, Instagram, and Twitter. The main content area features a 'Login Form' centered on the page. The form has a title 'Login Form' and two tabs: 'Login' (active) and 'Signup'. Below the tabs are two input fields: 'Email Address' and 'Password'. A link 'Forgot password?' is positioned below the password field. At the bottom of the form is a large pink 'Login' button. Below the button, there is a text prompt 'Not a member? Signup now' with a link to the signup page.

Figure 5: Login Page



The screenshot shows the same web browser window as Figure 5, but the 'Signup Form' is active. The navigation bar remains the same. The 'Signup Form' has a title 'Signup Form' and two tabs: 'Login' and 'Signup' (active). Below the tabs are six input fields: 'Name', 'Surname', 'Email Address', 'Password', 'Confirm password', and 'Nickname'. At the bottom of the form is a large pink 'Signup' button.

Figure 6: Register Page

In login page, it is required to fill the form with correct format of email and password. In order to check if they are in correct format, some methods are used:

- Email: Since there is a built-in function `FILTER_VALIDATE_EMAIL` in php for validating the email, this method is used.
- Password: For password there is no built-in method. So password needs to be validated manually. However, `preg_match` method is used to validate if a value matches a specific expression pattern. By using `preg_match("/^(?=.*[0-9])(?=.*[a-z])(?=.*[A-Z])([a-zA-Z0-9]{8,})$/", $_SESSION['loginpassword'])` method, password is checked with following rules: At least one uppercase letter, at least one lowercase letter, minimum length of 8.

In register page, same principles in the login page have been followed with one addition: Is the password and confirm password match.

Register page submit directs user to the home page. User in mysql database is created.

In login page, using php session, comparing the user input to values in database, user is directed to the either admin page or user page.

If the user made the input for email as admin@gmail.com, will be directed to the admin page. If the email is different than admin@gmail.com , user is directed to the user page.

Detailed information about the user and admin pages are shown in the following sections.

Admin Page

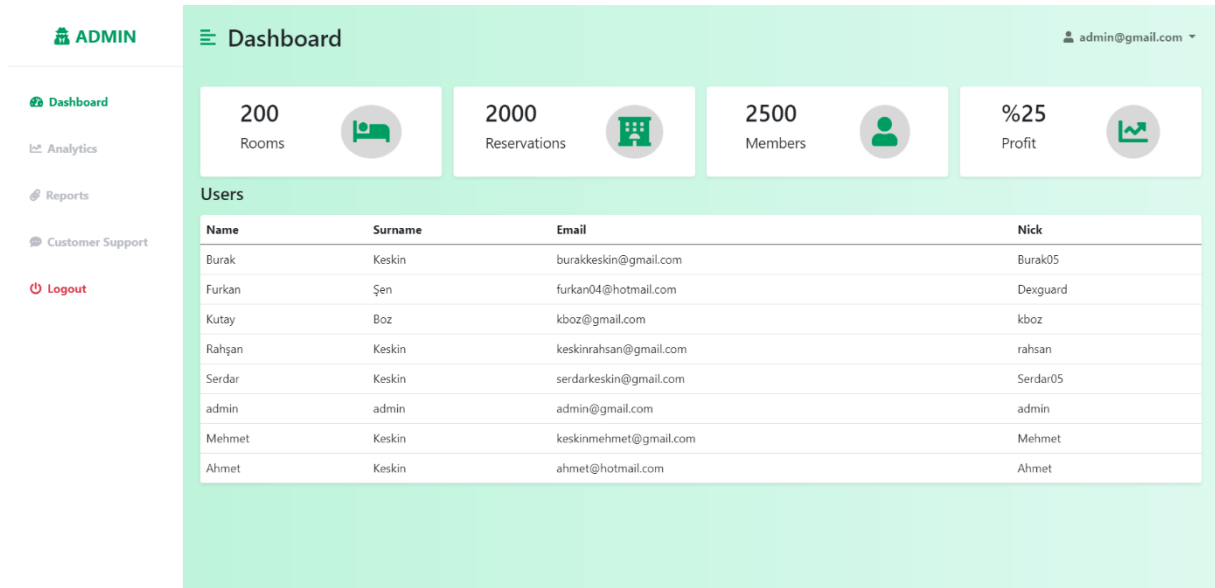


Figure 7: Admin Page

Admin page should be restricted to the admins of the hotel website. Represents detailed information about the hotel. In Figure 7, the admin page is shown.

At the top right corner of the screen, using the email stored in php session, user's email information is shown on the dropdown menu button.

Left side of the page is reserved to the sidebar. In the sidebar, Dashboard section is the main contents for admin page. In the analytics section, shown in Figure 8, charts to visualize the data of the hotels will be placed.

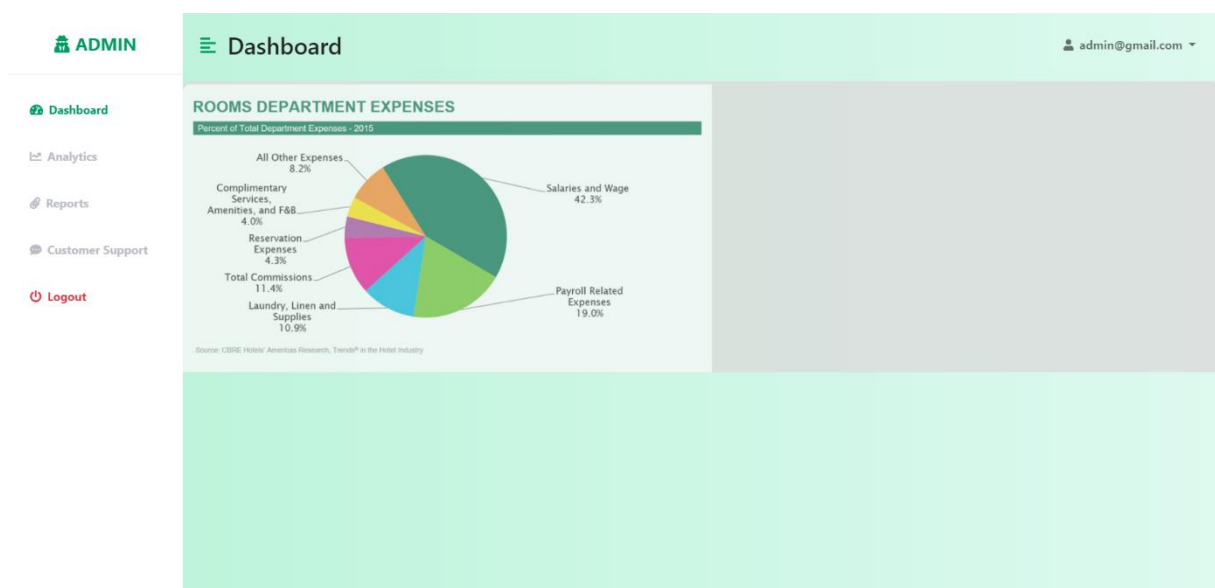


Figure 8: Analytics Section

Next section in the sidebar is reports section. In this section, it is planned to have important protocols, rules, declaration documents etc stored in case of admin needs to access them. Monthly reports for the hotel will also be placed in this section to have access to year-round reports of the hotel. Admin will be able to preview or download the required materials from this section. Reports section is shown in Figure 9.

Customer support section will be implemented.

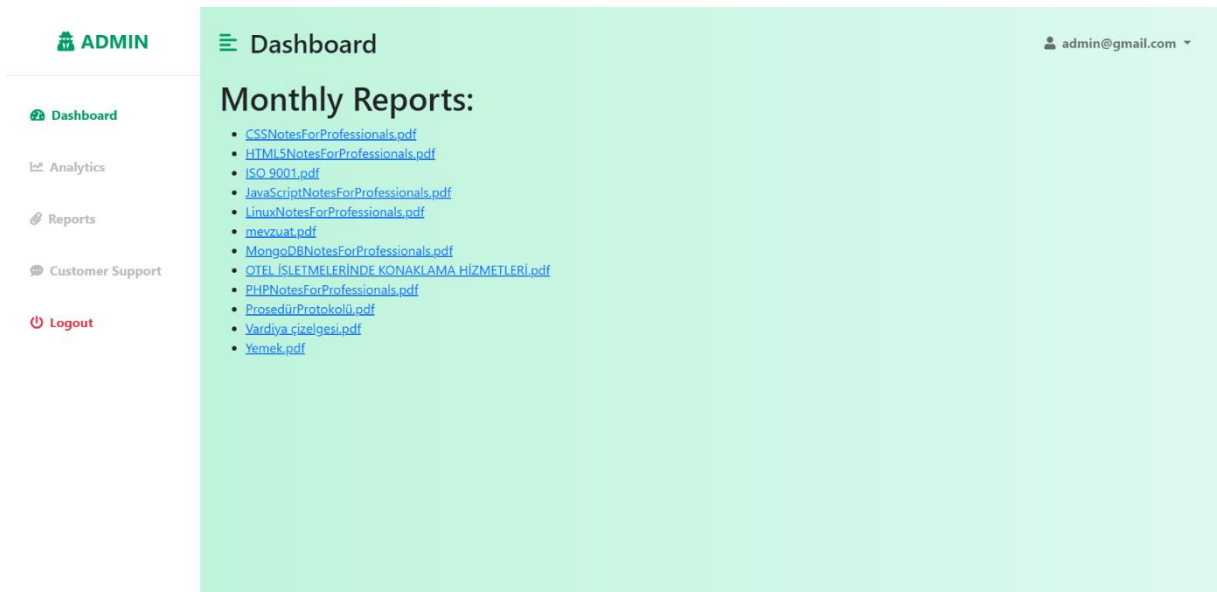


Figure 9: Reports Page

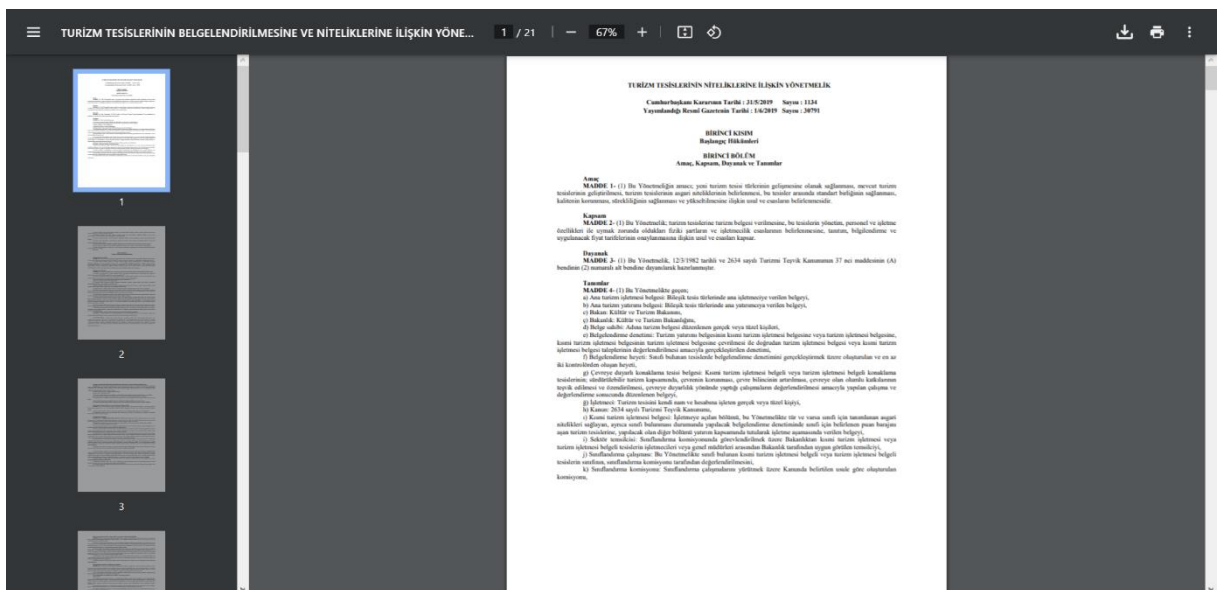


Figure 10: Example Preview

User Page

Similar to the admin page, if the user is logged in with different email, directed to the user page. Screenshot of the user page is shown in Figure 11.



Figure 11: User Page

Top right corner of the user page has the same principle in admin page. According to the logged in email title of the dropdown menu will change.

Left side of the screen is split in 4 parts: Dashboard, Reservations, Support and Logout.

Dashboard is the main page of the User Page, it contains required information for the user.

Reservations section is the place where user is be able to check reservations.

Support section will be implemented. It will be the place where user can send messages to the admins about their requests.

Logout works as the same with admin page. Logs the user out and removes all session data.

Database E-R Diagram

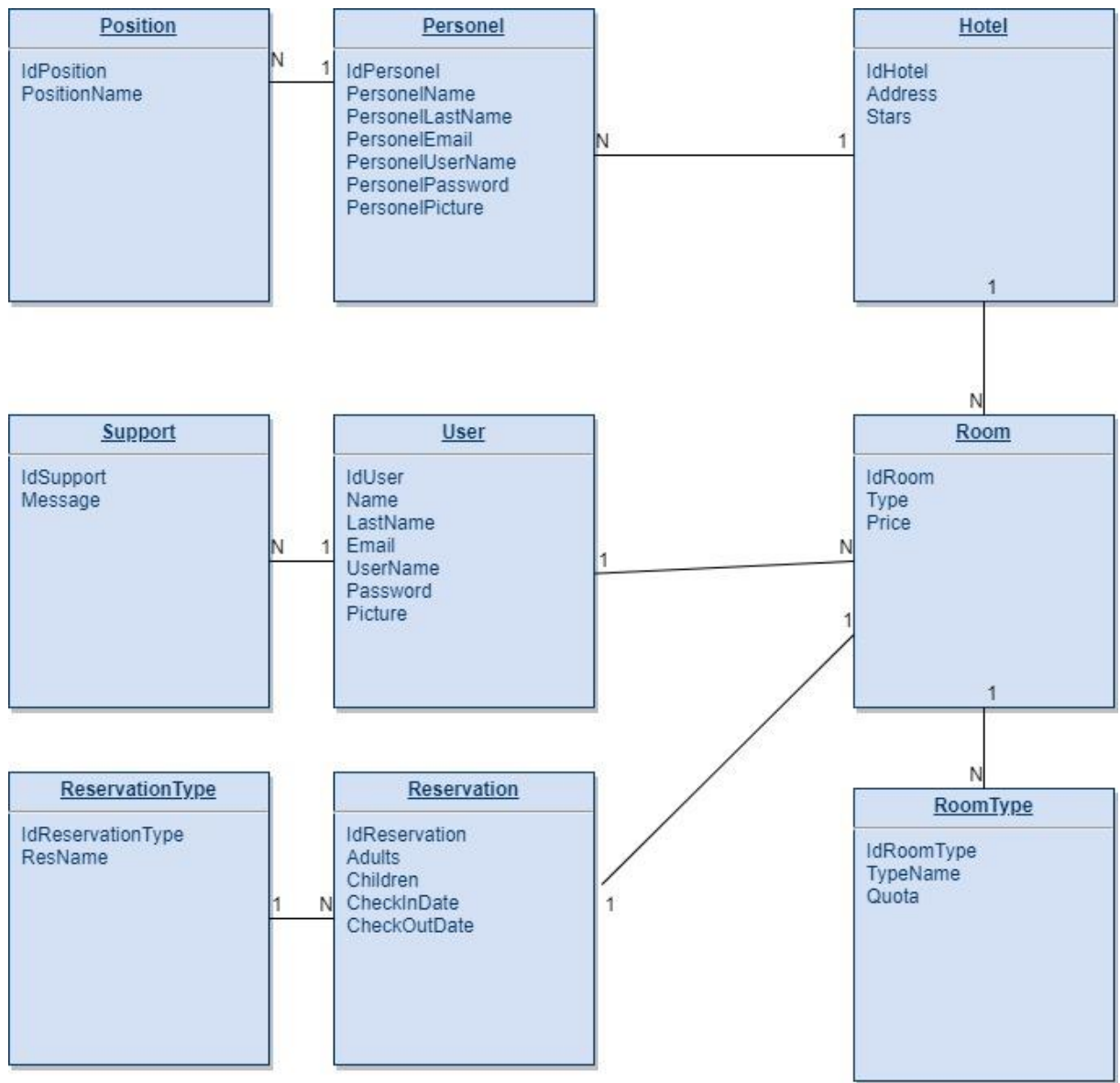


Figure 12:E-R Diagram

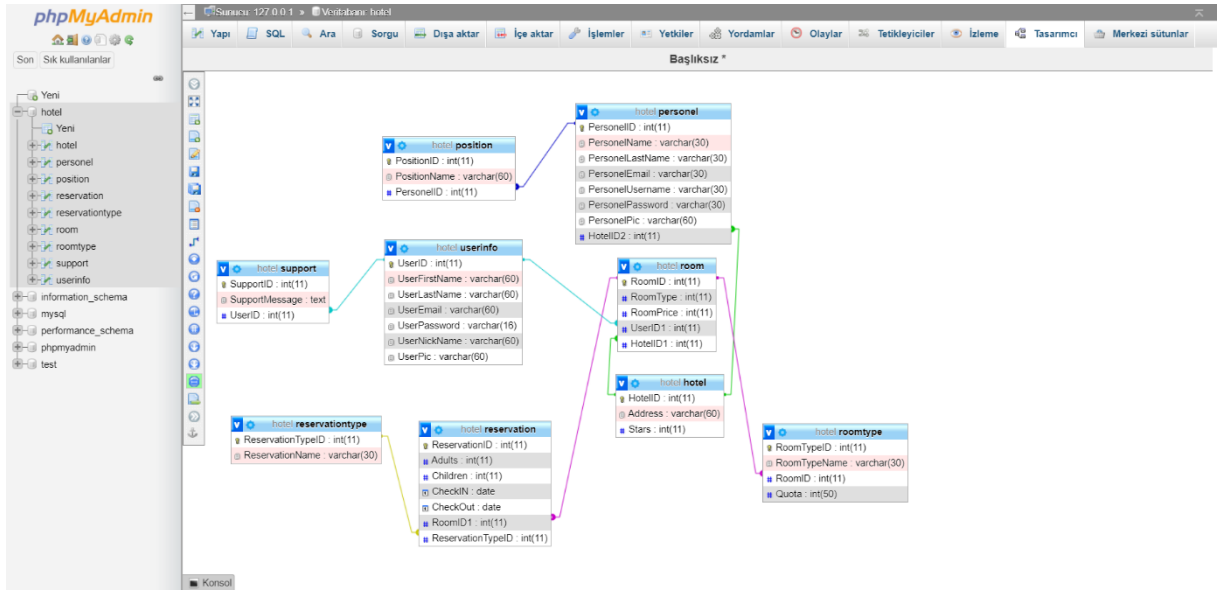


Figure 13: PhpMyAdmin Relation View