

UC Name	<i>Admin User Management and Configuration</i>
Summary	<i>The Admin User Management and Configuration use case enables administrators to manage user accounts and customize system settings within the Hotel Management System (HMS).</i>
Dependency	<i>This optional section describes whether the UC depends on other UCs.</i>
Actors	<i>Administrator</i>
Preconditions	<i>1-The administrator is logged into the HMS.</i> <i>2-Access privileges are granted to the administrator to perform user management and configuration tasks.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>• <i>The administrator accesses the User Management section of the HMS.</i></li> <li>• <i>The administrator selects the option to add a new user account.</i></li> <li>• <i>The administrator enters the necessary details for the new user, including username, password, and access level.</i></li> <li>• <i>The HMS validates the entered information and adds the new user account to the system.</i></li> <li>• <i>If editing or removing an existing user account, the administrator selects the respective option, makes the necessary changes, and confirms the action.</i></li> <li>• <i>The administrator accesses the Statistics Dashboard to view graphical representations of occupancy trends and financial performance.</i></li> <li>• <i>The HMS retrieves relevant data and presents it in graphical form for easy analysis.</i></li> <li>• <i>The administrator navigates to the System Configuration section to customize settings.</i></li> <li>• <i>Within the System Configuration, the administrator adjusts room rates, availability rules, and email templates as needed.</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>The HMS saves the configuration changes.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>• <i>If the entered user details are incomplete or invalid during user addition, the HMS prompts the administrator to correct the errors before proceeding.</i></li> <li>• <i>If the administrator encounters any issues with accessing or modifying system settings, they may contact technical support for assistance.</i></li> </ul>
Non functional requirements	<p><i>The system should ensure secure user authentication and authorization mechanisms.</i></p> <p><i>The User Management and Configuration functionalities should be intuitive and easy to use.</i></p> <p><i>The Statistics Dashboard should provide real-time data updates and be visually appealing for better comprehension.</i></p>
Postconditions	<p><i>The administrator successfully adds, edits, or removes user accounts according to the specified access levels.</i></p> <p><i>The administrator views relevant statistics through the dashboard and customizes system settings as required.</i></p>

UC Name	<i>System Configuration Management</i>
Summary	<i>The System Configuration Management use case enables authorized users to customize system settings, such as room rates, availability rules, and email templates, within the Hotel Management System (HMS).</i>
Dependency	<i>This optional section describes whether the UC depends on other UCs.</i>
Actors	<i>Admin</i>
Preconditions	<i>1-The Admin is logged into the HMS. 2-Access privileges are granted to the authorized user to modify system configuration settings.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li><i>• The authorized user navigates to the System Configuration section within the HMS.</i></li> <li><i>• The HMS presents various configurable settings, such as room rates, availability rules, and email templates, for the user to modify.</i></li> <li><i>• The authorized user selects the specific setting they wish to adjust, such as updating room rates for different seasons or setting availability rules for specific room types.</i></li> <li><i>• The user enters the new configuration values or selects options from predefined lists.</i></li> <li><i>• The HMS validates the entered configuration data to ensure it meets the required format and constraints.</i></li> <li><i>• If the entered data is valid, the HMS applies the configuration changes to the system.</i></li> <li><i>• The authorized user confirms the successful application of the configuration changes and exits the System Configuration section.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li><i>• If there are any issues with data validation or system performance during configuration changes, the authorized user may encounter error messages or delays. In such cases, technical support may be contacted for assistance.</i></li> </ul>

Non functional requirements	<i>1-The System Configuration interface should be user-friendly and intuitive to facilitate easy navigation and configuration adjustments. 2-Configuration changes should be applied promptly and accurately to ensure the smooth operation of the HMS. 3-The system should maintain an audit trail of configuration changes for accountability and troubleshooting purposes.</i>
Postconditions	<i>The authorized user successfully customizes system settings according to the hotel's requirements, ensuring optimal functionality and performance of the HMS.</i>

UC Name	<i>Statistics Dashboard Access</i>
Summary	<i>The Statistics Dashboard Access use case enables authorized users to access graphical representations of occupancy trends and financial performance within the Hotel Management System (HMS).</i>
Dependency	<i>This optional section describes whether the UC depends on other UCs.</i>
Actors	<i>Admin, Owner</i>
Preconditions	<i>1-The authorized user is logged into the HMS. 2-Access privileges are granted to the authorized user to view statistics through the dashboard.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li><i>• The authorized user navigates to the Statistics Dashboard section within the HMS.</i></li> <li><i>• The HMS retrieves relevant statistical data, including occupancy rates and financial performance metrics.</i></li> <li><i>• The Statistics Dashboard presents graphical representations of the retrieved data, such as charts and graphs, for easy analysis.</i></li> <li><i>• The authorized user interacts with the dashboard to view specific metrics, trends, or time periods as needed.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li><i>• If there are any issues with data retrieval or dashboard functionality, the authorized user may encounter error messages or be unable to access certain features. In such cases, technical support may be contacted for assistance.</i></li> </ul>
Non functional requirements	<i>1-The Statistics Dashboard should provide real-time updates and be responsive to user interactions for seamless navigation and analysis.</i> <i>2-Graphical representations should be visually appealing and easy to interpret to facilitate data analysis.</i>

	<i>3-The system should ensure secure user authentication and authorization mechanisms to protect sensitive statistical data.</i>
Postconditions	<i>The authorized user successfully accesses and analyzes statistics through the dashboard, gaining insights into occupancy trends and financial performance within the hotel.</i>