

Hotel Reservation System

HOTEL

AML1204-1

Python Programming In Canada

Prof. Amir Samiezadeh

Submitted By,
Karthikeyan G - C0911147
Bhavani Ch- C0901954
Deepak M- C0904124
Shravya P- C0910891
Vakula A- C0911182

Agenda

- Softwares used
- Packages and Plugins used
- SQLITE DataBase used
- Application Features
- GITHUB
- DOCKER



Feasibility in Project Proposal



- User Login
- Staff/Admin Login
- General Home Page
- Room Availability Details
- Booking Form - User and Admin
- All Booking Details/Stats for Admin
- Add New Hotel Location to DB for Admin
- Add New Room Details to DB for Admin
- Logout

Reference Link

<https://realpython.com/search?q=hotel+management+system>

Objective of Reservation System

- Skip the Queue
- Avoid the last minute chorus
- Meet traveler expectations



- The main motive is to avoid the long waiting queues
- Ensure Guest have the smooth check in process
- To avoid running out of the rooms at last minute



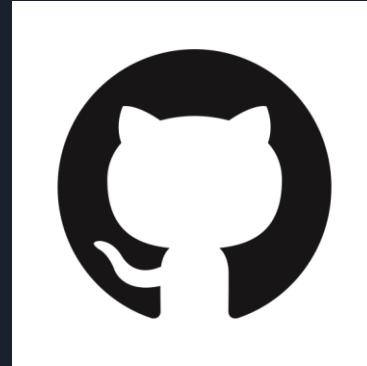
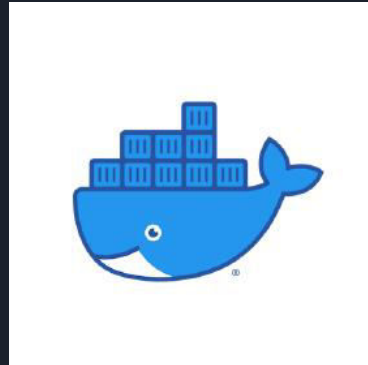
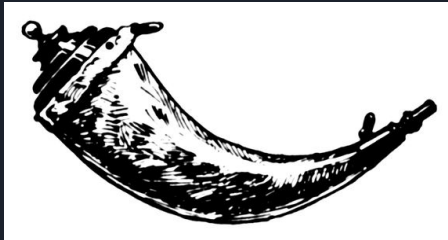
Advantages of Reservation System

- Increased Efficiency
- 24/7 Accessibility
- Enhanced Customer Experience
- Reduced Workload for Staff
- Improved Accuracy
- Data Management and Analytics



Softwares Applications/Frameworks Used

- ❖ Pycharm Professional IDE
- ❖ SQLite - Database
- ❖ GitHub
- ❖ Docker
- ❖ Python Flask



Major Packages Used

We have used: Django, Django-mathfilters, Djangorestframework, Pillow

The screenshot displays the 'Python Interpreter' settings window in an IDE. The window title is 'Project: HMS_IBIS > Python Interpreter'. It shows the current Python interpreter as 'Python 3.11 (HMS_IBIS)' and a list of installed packages with their versions and the latest available versions.

Package	Version	Latest version
Django	3.0	5.0
Pillow	10.1.0	10.1.0
asgiref	3.7.2	3.7.2
django-mathfilters	1.0.0	1.0.0
djangorestframework	3.14.0	3.14.0
pip	22.3.1	23.3.1
pytz	2023.3.post1	2023.3.post1
setuptools	65.5.1	69.0.2
sqlparse	0.4.4	0.4.4
tzdata	2023.3	2023.3
wheel	0.38.4	0.42.0

The background shows a file explorer with a project structure including 'HMS_IBIS', 'templates', 'staff', 'user', and 'venv'. The terminal window at the bottom shows the output of a system check and Django version information.

Database Plugin

Database plugin - Database Tools and SQL is used for accessing the SQLite database

The screenshot shows the IntelliJ IDEA interface with the Settings dialog open. The left sidebar lists various settings categories, with 'Plugins' selected. The main panel displays the 'Plugins' tab, showing a list of installed plugins. The 'Database Tools and SQL' plugin is highlighted, showing it is 'bundled' and has a 'Disable all' button. Other installed plugins include Docker, FTP/SFTP/WebDAV Connectivity, Puppet, Vagrant, HTML and XML, HTML Tools, and IDE Settings. The right pane shows the 'Database Tools and SQL' plugin details, including an overview, what's new, reviews, and additional info. The overview text states: 'The Database tools and SQL plugin for IntelliJ-based IDEs allows you to query, create, and manage databases and provides full SQL language support. The plugin provides all the same features as DataGrip, the standalone JetBrains IDE for databases. The following databases are supported: MySQL, PostgreSQL, Oracle, Microsoft SQL Server, Microsoft Azure, MongoDB, Redis, Apache Derby, Apache Hive, Cassandra, ClickHouse, Exasol, Greenplum, DB2, H2, HyperSQL, MariaDB, Redshift, Snowflake, Sybase, SQLite, CockroachDB, Couchbase, BigQuery, and Vertica. If the DBMS you use has a JDBC driver, you can connect to it via the Database tools and SQL plugin. Main features: - Database explorer - Ability to execute queries - Editable data spreadsheet'. The bottom status bar shows the project is 'HMS_IBIS' and the file is 'views.py'.

Settings

Plugins

Marketplace Installed

Q- Type / to see options

Database [Disable all](#)

Database Tools and SQL [bundled](#) ☒

Deployment [Disable all](#)

Docker [bundled](#) ☒

FTP/SFTP/WebDAV Connectivity [bundled](#) ☒

Puppet [bundled](#) ☒

Vagrant [bundled](#) ☒

HTML and XML [Disable all](#)

HTML Tools [bundled](#) ☒

IDE Settings [Disable all](#)

Settings Sync [bundled](#) ☒

Database Tools and SQL

[Disable](#) [bundled 232.9559.58](#)

Overview What's New Reviews Additional Info

The Database tools and SQL plugin for IntelliJ-based IDEs allows you to query, create, and manage databases and provides full SQL language support.

The plugin provides all the same features as [DataGrip](#), the standalone JetBrains IDE for databases.

The following databases are supported: MySQL, PostgreSQL, Oracle, Microsoft SQL Server, Microsoft Azure, MongoDB, Redis, Apache Derby, Apache Hive, Cassandra, ClickHouse, Exasol, Greenplum, DB2, H2, HyperSQL, MariaDB, Redshift, Snowflake, Sybase, SQLite, CockroachDB, Couchbase, BigQuery, and Vertica.

If the DBMS you use has a JDBC driver, you can connect to it via the Database tools and SQL plugin.

Main features:

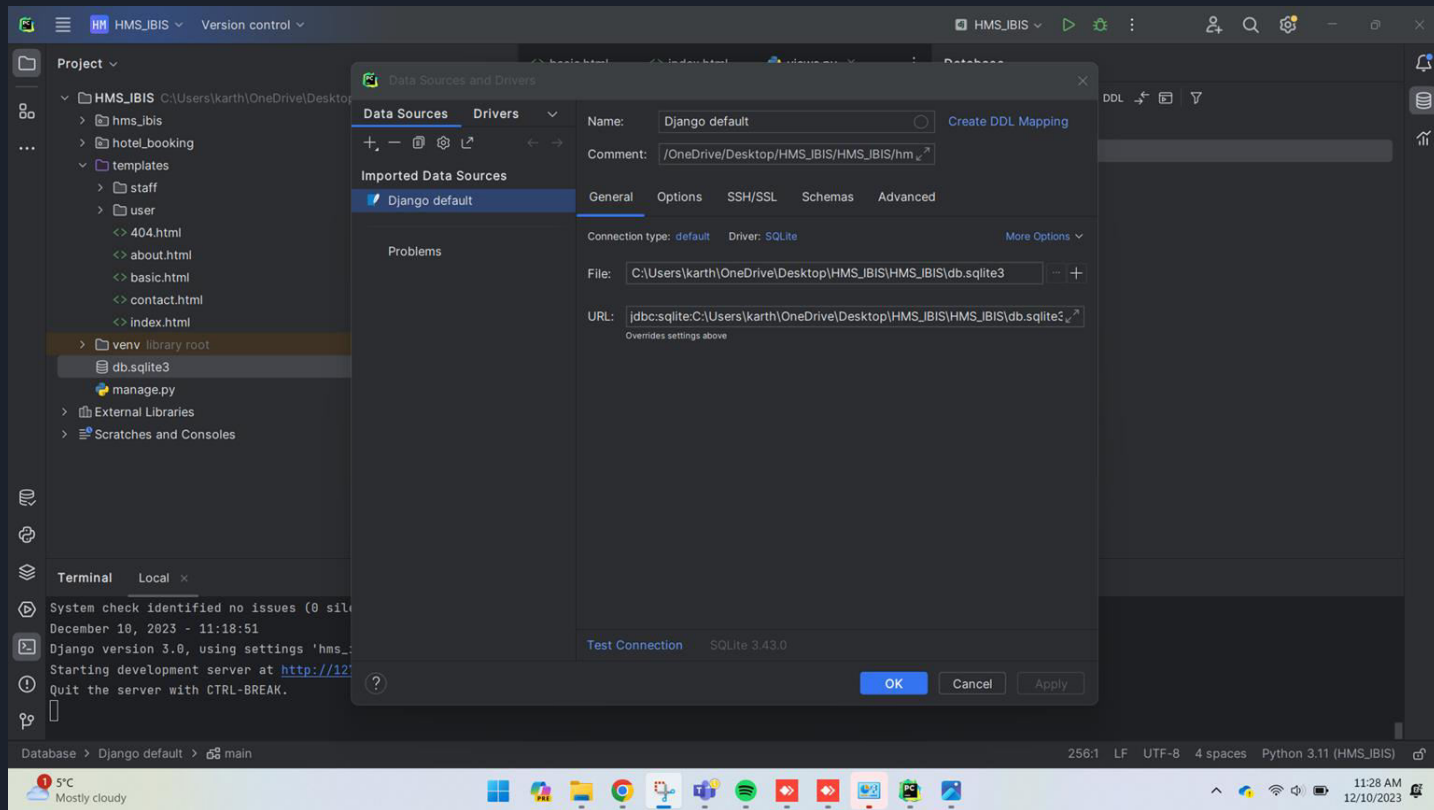
- Database explorer
- Ability to execute queries
- Editable data spreadsheet

[OK](#) [Cancel](#) [Apply](#)

SQLite Database

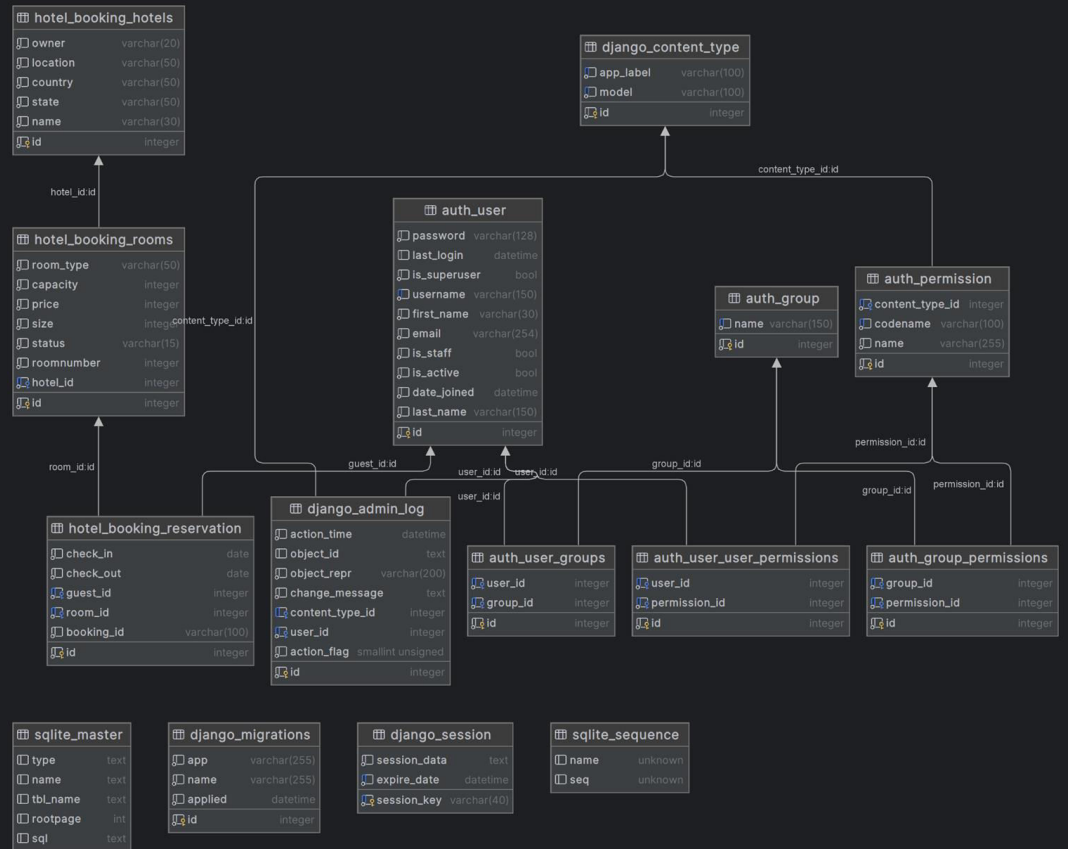


SQLite is a database engine written in the C programming language. It is not a standalone app; rather, it is a library we have embedded in the Pycharm



Database Schema

- ❖ A database schema refers to the logical and visual configuration of the entire relational database.
- ❖ The database objects are often grouped and displayed as tables, functions, and relations.
- ❖ A schema describes the organization and storage of data in a database and defines the relationship between various tables.



Home Page

- ❖ Home page has the following features
 - User Login
 - Admin/Staff Login
 - Search Room Availability based on the Location
 - With Check-In, Check-Out and Person Count
 - Room Details Information with Images
 - Information includes the
 - Price
 - Size
 - Capacity
 - Services included
 - View



Home Page (1)

IBIS - Accor Group

127.0.0.1:8000/home

☆

IBIS - Accor Group

Home

User Login

Admin Login

Location

Location

Check-in

mm/dd/yyyy

Check-out

mm/dd/yyyy

Person Count

Person

Check Availability

Rooms Types

Information

View

Basic


Price:\$55/day

Size :30 ft

Capacity :Max person 3

Services :Wifi,Tv,Bathroom

Views :Sea View




Deluxe

Price:\$70/day

Size :30 ft

Capacity :Max person 3






Home Page (2)

IBIS - Accor Group

127.0.0.1:8000/home

Rooms Types

Information	View
<h3>Basic</h3> <p>Price:\$55/day</p> <p>Size :30 ft</p> <p>Capacity :Max person 3</p> <p>Services :Wifi,Tv,Bathroom</p> <p>Views :Sea View</p>	
<h3>Deluxe</h3> <p>Price:\$70/day</p> <p>Size :30 ft</p> <p>Capacity :Max person 3</p> <p>Services :Wifi,Tv,Bathroom</p> <p>Views :Sea View</p>	
<h3>Premium</h3> <p>Price:\$100/day</p> <p>Size :30 ft</p> <p>Capacity :Max person 3</p> <p>Services :Wifi,Tv,Bathroom</p> <p>Views :Sea View</p>	

from Kennedy R...
Closed road

11:37 AM
12/10/2023

User Role and Features



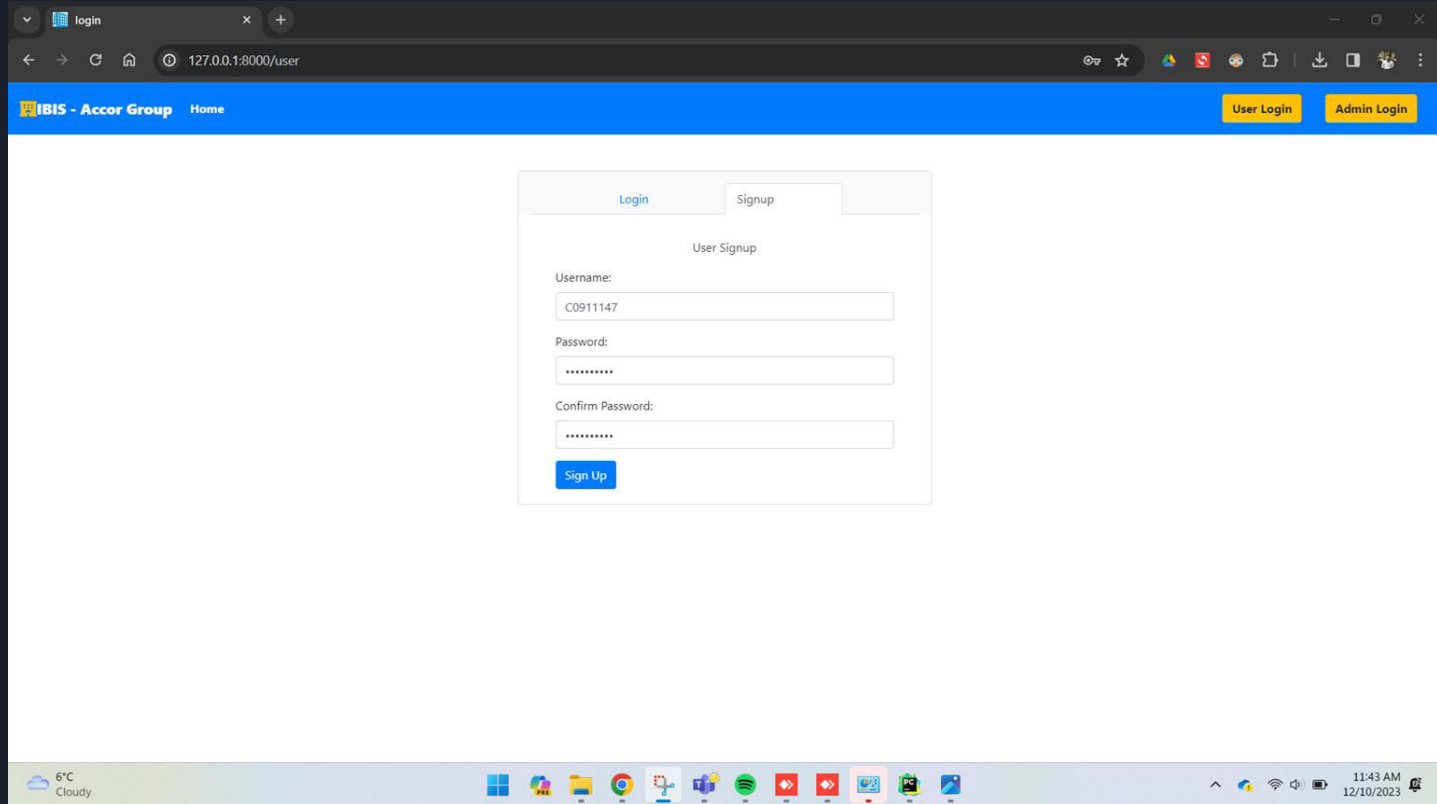
CUSTOMER

User SignUp Page Features

- ❖ User Sign Up page has the following features
 - UserName
 - Password
 - Confirm Password
- ❖ Validations:
 - Username Validation: Check for the existing username when new user is created.
 - Password & Confirm Password: Checks for the given password and confirm password match when new user is created.



User SignUp Page (1)



The screenshot displays a web browser window with the address bar showing "login" and the URL "127.0.0.1:8000/user". The page header is blue and features the "IBIS - Accor Group" logo and a "Home" link. On the right side of the header, there are two yellow buttons: "User Login" and "Admin Login".

The main content area is white and contains a "User Signup" form. The form has two tabs: "Login" and "Signup", with the "Signup" tab selected. The form title is "User Signup". It includes three input fields: "Username:" with the value "C0911147", "Password:" with masked characters "*****", and "Confirm Password:" with masked characters "*****". A blue "Sign Up" button is located at the bottom of the form.

The Windows taskbar at the bottom shows the system tray with a temperature of 6°C, a cloudy weather icon, and the date and time "11:43 AM 12/10/2023".

User SignUp Page (1)

The screenshot displays a web browser window with the address bar showing `127.0.0.1:8000/user`. The page header is blue with the text "IBIS - Accor Group" and a "Home" link. On the right side of the header, there are two yellow buttons: "User Login" and "Admin Login".

The main content area contains a "User Signup" form. At the top of the form, there are two tabs: "Login" and "Signup", with "Signup" being the active tab. Below the tabs, the text "User Signup" is centered. The form includes three input fields:

- Username:** A text input field containing the value "C0911147".
- Password:** A password input field with masked characters "*****".
- Confirm Password:** A password input field with masked characters "*****".

At the bottom of the form, there is a blue button labeled "Sign Up".

The browser's taskbar at the bottom shows the system clock as 11:43 AM on 12/10/2023, along with various application icons and network status indicators.

User Login Page (2)

login

127.0.0.1:8000/user/login

IBIS - Accor Group Home

User Login Admin Login

Registration Successful

Login Signup

User Login

Username:

C0911147

Password:

☐ Remember me

Login

6°C Cloudy

11:44 AM 12/10/2023

User - Login Page Features

- ❖ User Login page has the following features
 - UserName
 - Password
- ❖ Validations:
 - Username & Password Validation: Checks for the input username and password with the existing username and password in database and allows/denies the user to login accordingly.



User - Login Page (1)

login

127.0.0.1:8000/user/login

IBIS - Accor Group Home

User Login Admin Login

Registration Successful

Login Signup

User Login

Username:

C0911147

Password:

☐ Remember me

Login

6°C Cloudy

11:44 AM 12/10/2023

User - Login Page(2)

The screenshot displays a web browser window with the URL `127.0.0.1:8000/home`. The page header includes the IBIS - Accor Group logo, navigation links for Home and My Bookings, a user greeting 'Hello, C0911147', and a Logout button. A green notification bar at the top states 'Logged In Successful'. Below this is a search form with fields for Location (a dropdown menu), Check-in (mm/dd/yyyy), Check-out (mm/dd/yyyy), and Person Count (Person), accompanied by a blue 'Check Availability' button. The main content area is titled 'Rooms Types' and features two room options: 'Basic' and 'Deluxe'. Each option includes a list of details (Price, Size, Capacity, Services, Views) and a corresponding image. The 'Basic' room is priced at \$55/day, 30 ft, for up to 3 people, with services like Wifi, Tv, and Bathroom, and a Sea View. The 'Deluxe' room is priced at \$70/day, 30 ft. The browser's taskbar at the bottom shows the system time as 11:44 AM on 12/10/2023, with a weather forecast of 6°C and Cloudy.

IBIS - Accor Group Home My Bookings Hello, C0911147 Logout

Logged In Successful

Location Check-in Check-out Person Count

Location mm/dd/yyyy mm/dd/yyyy Person Check Availability

Rooms Types

Information	View
Basic Price:\$55/day Size :30 ft Capacity :Max person 3 Services :Wifi,Tv,Bathroom Views :Sea View	
Deluxe Price:\$70/day Size :30 ft	

6°C Cloudy 11:44 AM 12/10/2023

Room Search Feature

- ❖ Room Search in Home Page has the following features

- Select Location (Hotel Location)
- Check - In Data
- Check - Out Date
- Number of Persons

- ❖ Validations:

- Minimum Person Count/Room - 1
- Maximum Person Count/Room - 3
- All Input values are mandatory, if not given will throw the mandatory field error



Room Search Feature Validation (1)

IBIS - Accor Group x +

127.0.0.1:8000/home

IBIS - Accor Group Home My Bookings Hello, C0911147 Logout

invalid literal for int() with base 10: 'Location' x

Location Toronto

Check-in mm/dd/yyyy



Check-out mm/dd/yyyy

Person Count Person

Check Availability

Please fill out this field.

Rooms Types

Information	View
Basic Price:\$55/day Size :30 ft Capacity :Max person 3 Services :Wifi,Tv,Bathroom Views :Sea View	
Deluxe Price:\$70/day Size :30 ft	

5°C Cloudy

12:32 PM 12/10/2023



Room Search Feature(2)

The screenshot shows a web browser window with the URL 127.0.0.1:8000/home. The page header is blue with the Ibis Accor Group logo and navigation links for Home and My Bookings. A user is logged in as C0911147. The search form includes fields for Location (Toronto), Check-in (12/10/2023), Check-out (12/11/2023), and Person Count (2). A blue 'Check Availability' button is present. Below the form, the 'Rooms Types' section is displayed with two options: Basic and Deluxe. Each option includes a description of its features and a corresponding image of the room.

IBIS - Accor Group Home My Bookings Hello, C0911147 Logout

Location: Toronto Check-in: 12/10/2023 Check-out: 12/11/2023 Person Count: 2 Check Availability

Rooms Types

Information	View
Basic Price:\$55/day Size :30 ft Capacity :Max person 3 Services :Wifi,Tv,Bathroom Views :Sea View	
Deluxe Price:\$70/day Size :30 ft Capacity :Max person 3	

6°C Cloudy 11:45 AM 12/10/2023

Room Search Result Feature

- ❖ Room Search Result in Home Page has the following results

- Room Type
- Location
- Person
- Price
- Action (Book Now)



- ❖ Result List:

- It will have the list of the available rooms with the above mentioned details based on the search input
- It will enable the option - Book Now, if the rooms are available for the given input.

Room Search Result Feature(1)

The screenshot displays the IBIS - Accor Group website interface for room search. The browser address bar shows the URL 127.0.0.1:8000/home. The page features a blue header with the logo and navigation links. A search bar contains fields for Location, Check-in, Check-out, and Person Count, with a 'Check Availability' button. Below the search bar, a table lists available rooms with columns for Type, Location, Person, Price, and Action. The table shows two results: Premium and Deluxe rooms in Toronto, both for 3 people. Below the table, a section titled 'Rooms Types' provides detailed information for a 'Basic' room, including price (\$55/day), size (30 ft), capacity (3 people), and services (Wi-Fi, TV, Bathroom). A photo of the room is also displayed.

IBIS - Accor Group Home My Bookings Hello, C0911147 Logout

Location Check-in Check-out Person Count

Location mm/dd/yyyy mm/dd/yyyy Person

Check Availability

Rooms Available

Type	Location	Person	Price	Action
Premium	Toronto	3	100	Book Now
Deluxe	Toronto	3	75	Book Now

Rooms Types

Information View


Basic

Price:\$55/day

Size :30 ft

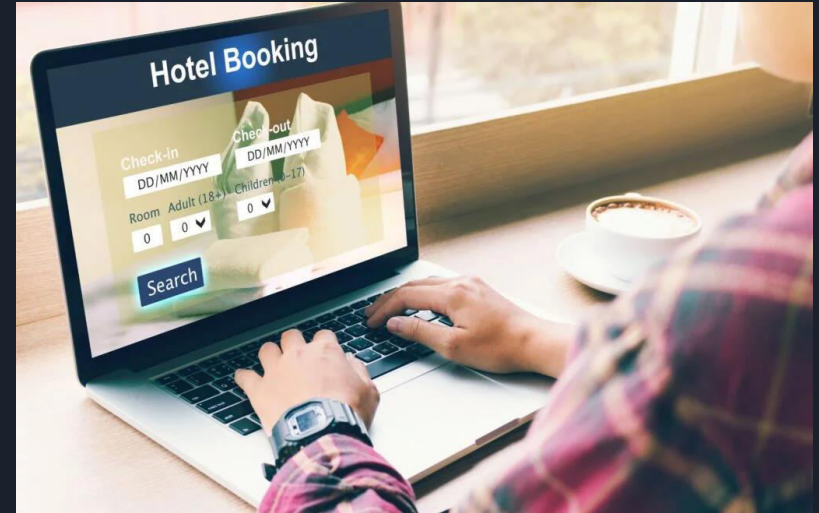
Capacity :Max person 3

Services :Wifi,Tv,Bathroom



User - Room Booking Form

- ❖ Room booking form has the following features.
- ❖ Based on the search input and the result selection, the booking form will be pre-filled with the given details.
 - Room Type
 - Location
 - Hotel
 - Price
- ❖ Changeable fields include
 - Guest Name
 - Person Count
 - Check - In
 - Check - Out



User - Room Booking Form

The screenshot displays a web browser window with the address bar showing the URL `127.0.0.1:8000/user/book-room?roomid=2`. The browser's address bar also shows the page title "Book Room".

The web application header is blue and contains the "IBIS - Accor Group" logo, navigation links for "Home" and "My Bookings", a user greeting "Hello, C0911147", and a "Logout" button.

The main content area contains a booking form with the following fields:

- Hotel:** A dropdown menu with "Ibis" selected.
- Location:** A dropdown menu with "Toronto" selected.
- Username:** A text input field containing "C0911147".
- Person Count:** A text input field containing "3".
- Check-in:** A date input field with the placeholder "mm/dd/yyyy" and a calendar icon.
- Check-out:** A date input field with the placeholder "mm/dd/yyyy" and a calendar icon.
- Room Type:** A dropdown menu with "Premium" selected.
- Price:** A text input field containing "100".

A blue "Book Now" button is located at the bottom of the form.

The Windows taskbar at the bottom of the screen shows the system clock as 12:38 PM on 12/10/2023, along with various system icons and application shortcuts.

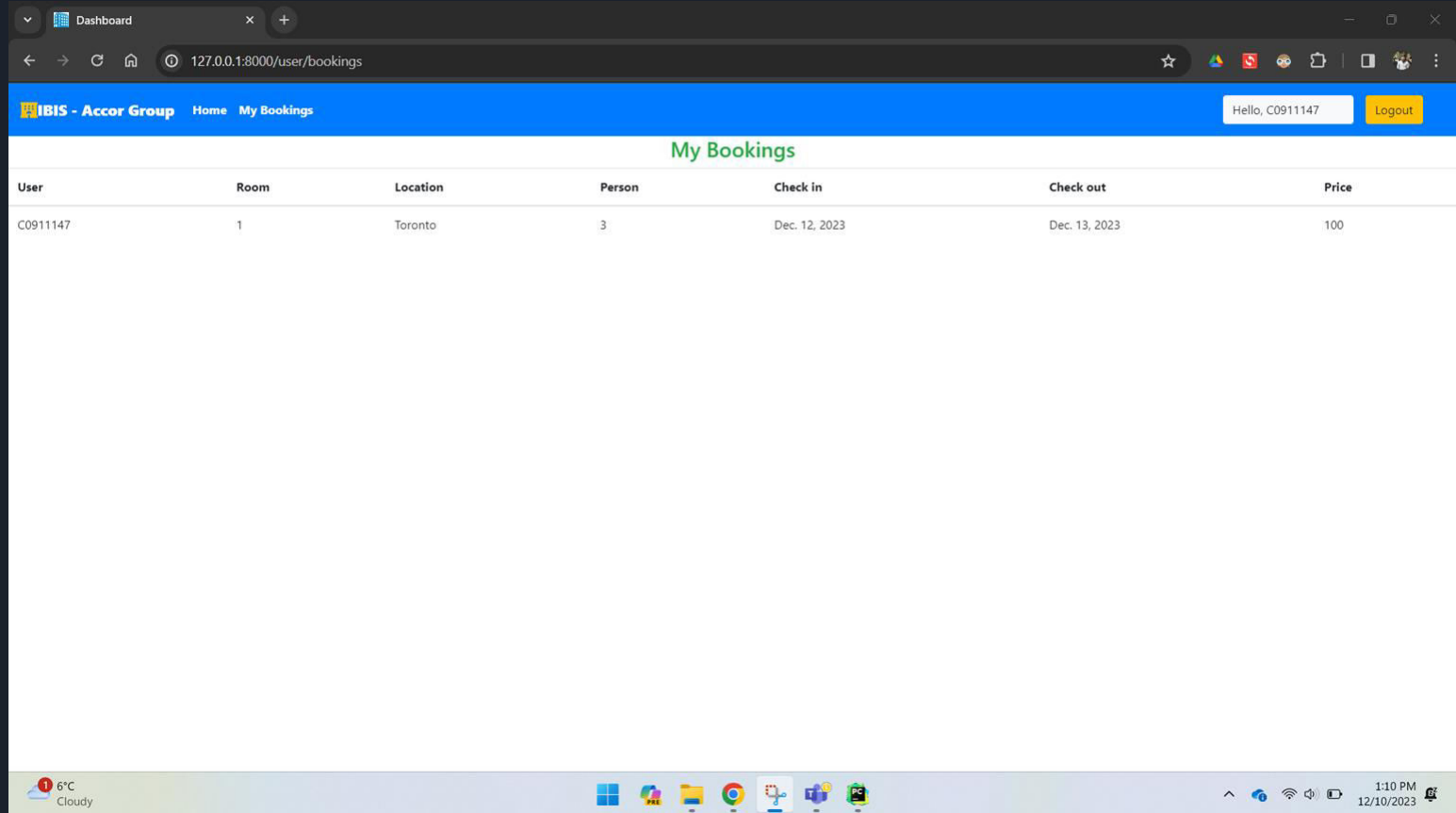
User - My Bookings Feature

- ❖ User My Bookings page has the following feature
 - List all the bookings Customer made so far
- ❖ List of details in My Bookings Feature:
 - User
 - Room
 - Location
 - Number of Persons
 - Check-In Date
 - Check-Out Date
 - Price

Secure My
Booking



User - My Bookings Feature



Dashboard

127.0.0.1:8000/user/bookings

IBIS - Accor Group Home My Bookings

Hello, C0911147 Logout

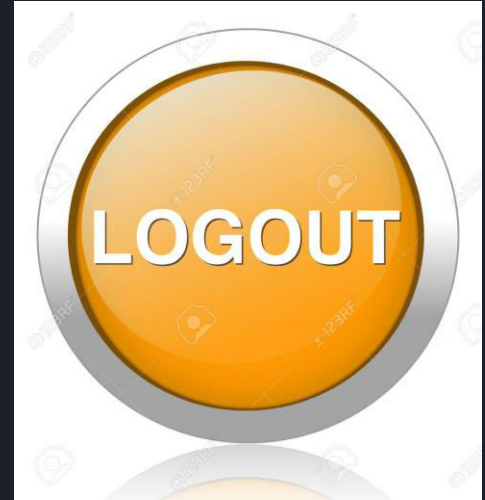
My Bookings

User	Room	Location	Person	Check in	Check out	Price
C0911147	1	Toronto	3	Dec. 12, 2023	Dec. 13, 2023	100

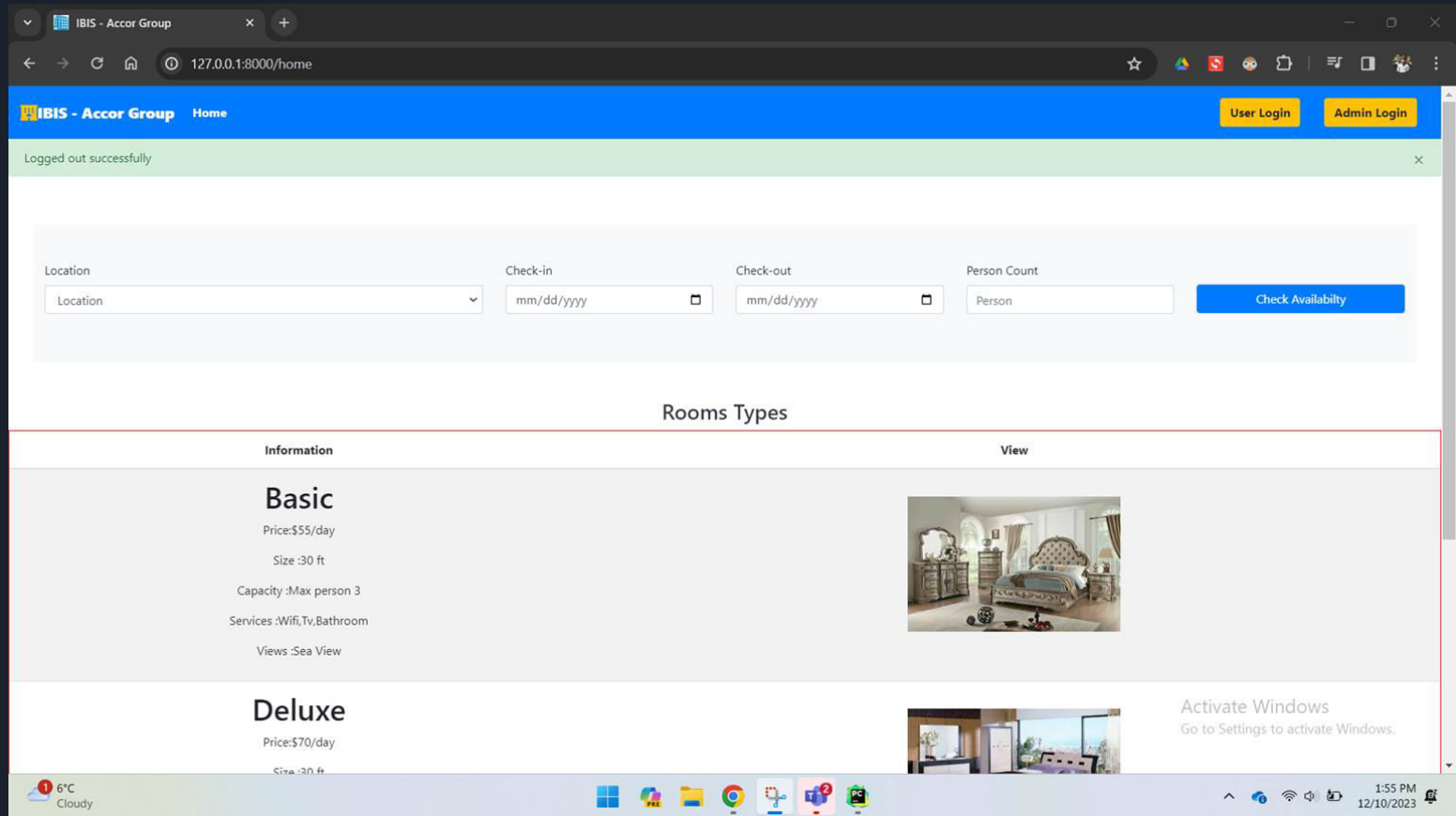
6°C Cloudy 1:10 PM 12/10/2023

User - LogOut Feature

- ❖ User LogOut page has the following features
 - User Login
 - Admin Login
 - Other details same as home page
- ❖ Validations:
 - A message will be displayed stating that LogOut is successful



User - LogOut Feature





Admin Role and Features



Admin/Staff SignUp Page

- ❖ Admin/Staff Sign Up page has the following features
 - UserName
 - Password
 - Confirm Password
- ❖ Validations:
 - Username Validation: Check for the existing username when new staff is created.
 - Password & Confirm Password: Checks for the given password and confirm password match when new user is created.



Admin/Staff SignUp Page

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/staff/". The page has a blue header with the text "IBIS - Accor Group" and a "Home" link. On the right side of the header, there are two yellow buttons: "User Login" and "Admin Login".

The main content area features a central white box with a "Login" tab and a "Signup" tab. The "Signup" tab is active, showing the "Admin Signup" form. The form includes the following fields and buttons:

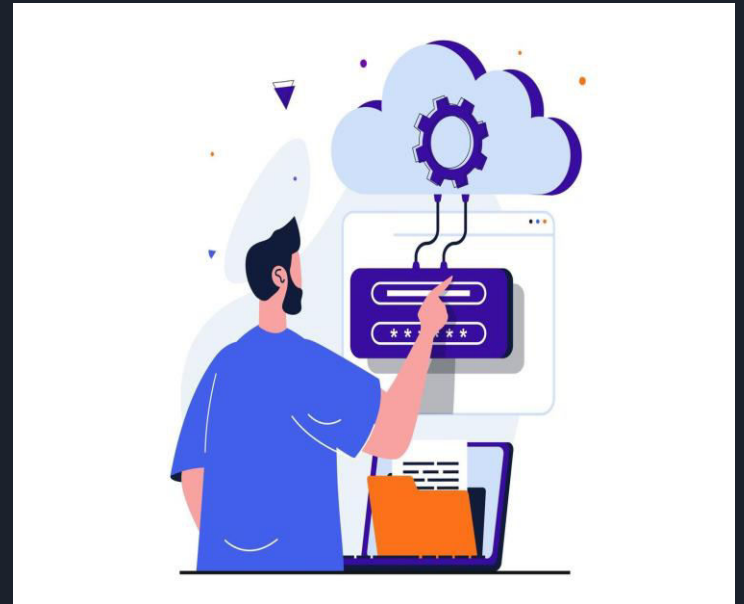
- Username:** A text input field with the placeholder "Enter Username".
- Password:** A text input field with the placeholder "Enter Password".
- Confirm Password:** A text input field with the placeholder "Confirm Password".
- Sign Up:** A blue button located below the "Confirm Password" field.

The browser's taskbar at the bottom shows the system clock as 11:39 AM on 12/10/2023, along with various system icons and a currency widget displaying "USD/JPY +0.56%".

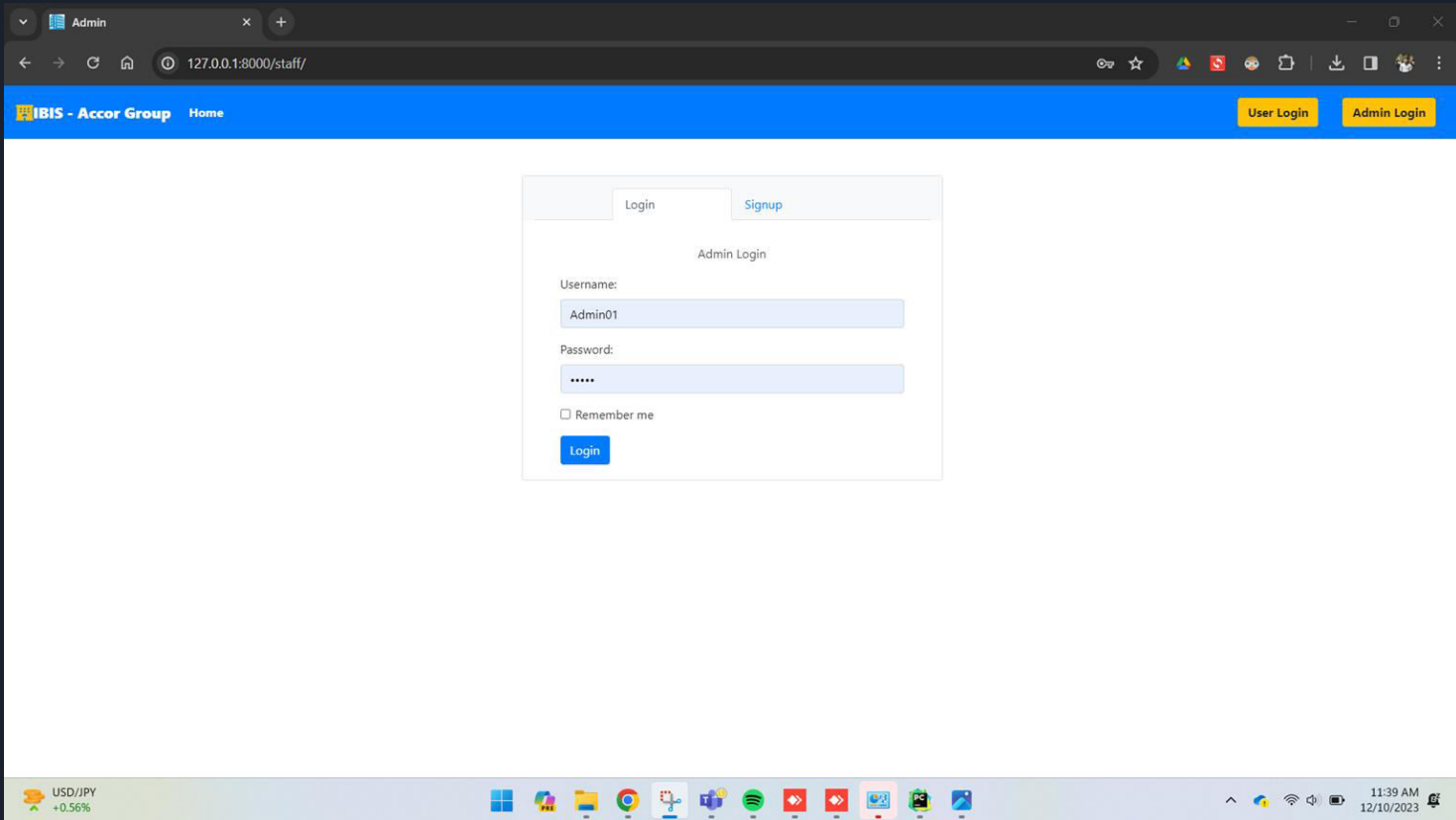
Admin/Staff Login Page

- ❖ User Login page has the following features
 - Username
 - Password

- ❖ Validations:
 - Username & Password Validation: Checks for the input staff name and password with the existing staff name and password in database and allows/denies the admin/staff to login accordingly.



Admin/Staff Login Page



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/staff/". The page has a blue header with the text "IBIS - Accor Group" and a "Home" link. On the right side of the header, there are two yellow buttons: "User Login" and "Admin Login". The main content area features a login form with two tabs: "Login" (selected) and "Signup". The form is titled "Admin Login" and contains the following fields and elements:

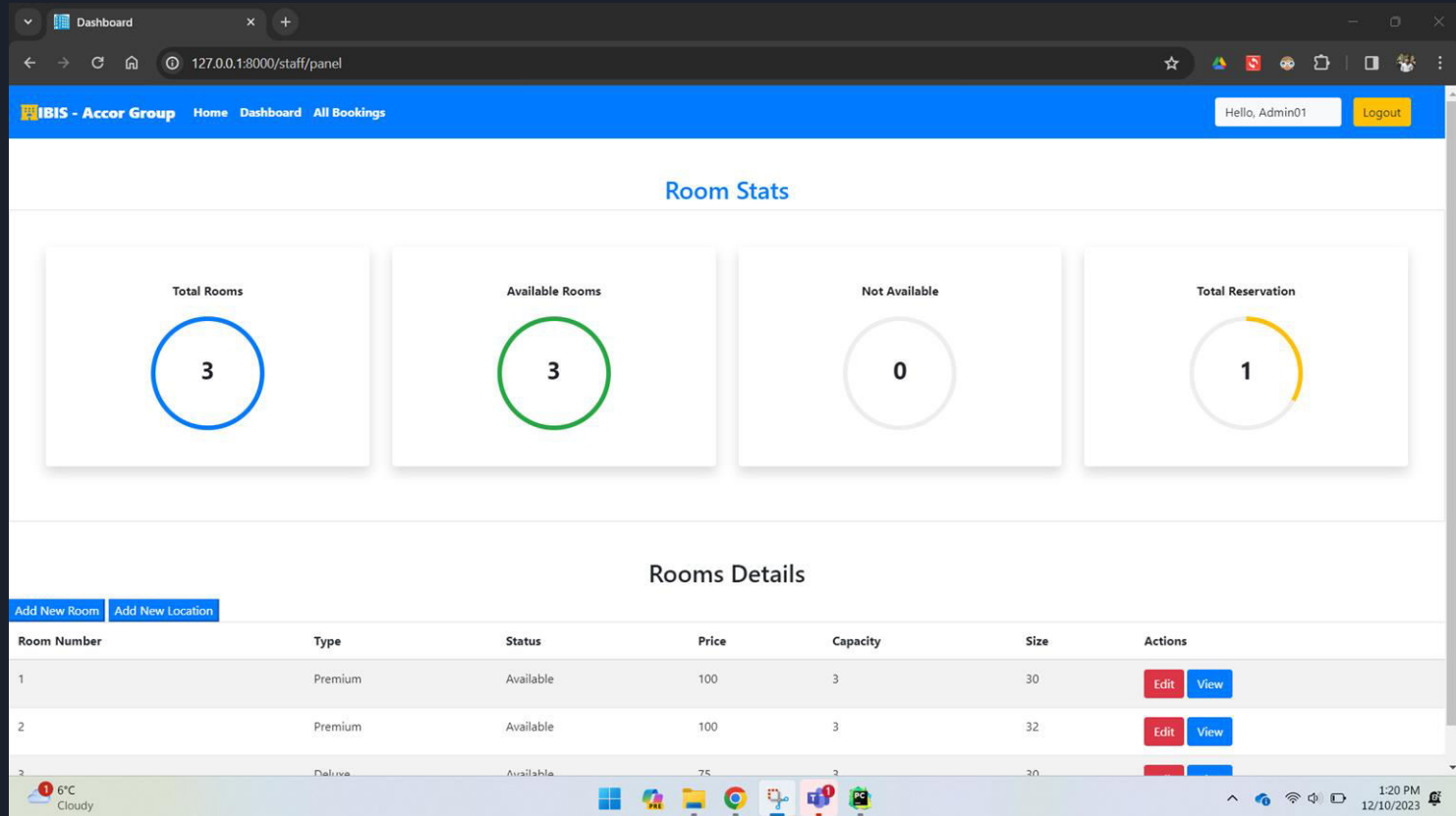
- Username:** A text input field containing the value "Admin01".
- Password:** A password input field with masked characters "*****".
- Remember me:** A checkbox that is currently unchecked.
- Login:** A blue button to submit the login form.

The Windows taskbar at the bottom shows the system clock as 11:39 AM on 12/10/2023, along with various application icons and a currency indicator for USD/JPY at +0.56%.

Admin Dashboard- All Booking Stats/Details Feature

- ❖ Admin dashboard has the following features
 - Room Stats: The room stats displays the count of total, available, not available and reserved rooms
 - Room Details: Two main functions can be performed i.e.,
 - Add new room
 - Add new location
- Other details regarding room has been displayed.

Admin Dashboard- All Booking Stats/Details Feature



Admin - Add Location Feature

- ❖ Add New Location Feature has the following fields
 - Owner
 - City
 - State
 - Country



Admin - Add Location Feature(1)

The screenshot displays the Ibis Accor Group Admin Dashboard. A modal window titled "Add New Location" is open, allowing the user to enter details for a new location. The background dashboard shows a navigation bar with "Home", "Dashboard", and "All Bookings". A message "New Room Added Successfully" is visible. The dashboard includes three circular charts: "Total Rooms" (4), "Available Rooms" (partially visible), and "Total Reservation" (1). Below these is a "Rooms Details" section with a table of room information. The Windows taskbar at the bottom shows the date as 12/10/2023 and the time as 1:26 PM.

Add New Location

Owner:

City:

State:

Country:

[Add Location](#)

Rooms Details

Room Number	Type	Status	Price	Capacity	Size	Actions
1	Premium	Available	100	3	30	Edit View
2	Premium	Available	100	3	32	Edit View

Admin - Add Room Feature

- ❖ Add Room Feature has the following fields
 - Room Type
 - Capacity
 - Price
 - Size
 - Status
 - Location



Admin - Add Room Feature(1)

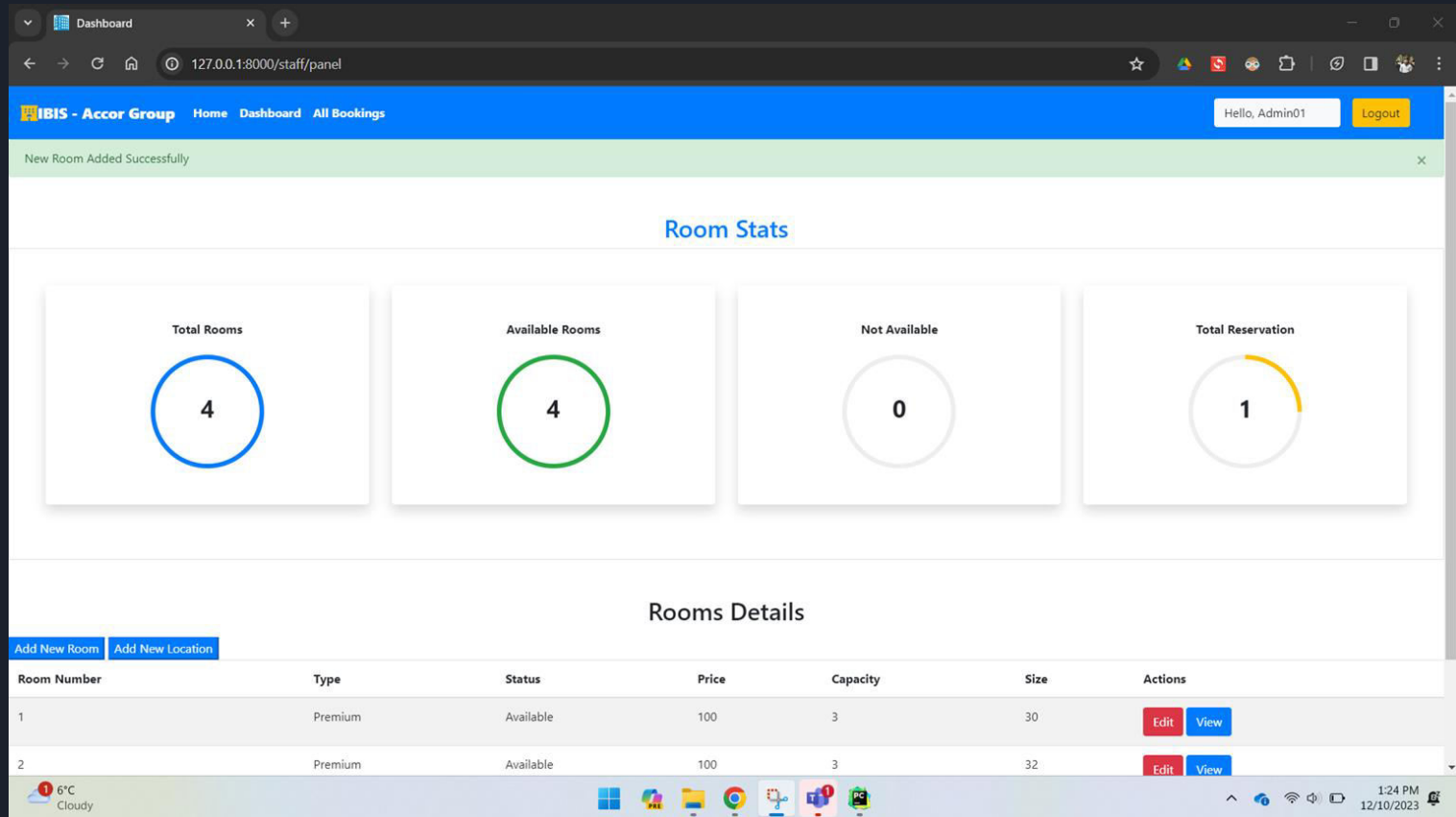
The screenshot displays the Ibis Accor Group Admin Dashboard. The main interface includes a top navigation bar with 'Home', 'Dashboard', and 'All Bookings' links. A user profile 'Hello, Admin01' and a 'Logout' button are in the top right. The dashboard features three large circular charts: 'Total Rooms' (3), 'Available' (3), and 'Total Reservation' (1). Below these charts are two buttons: 'Add New Room' and 'Add New Location'. A table lists existing rooms with columns for Room Number, Type, Status, Price, Capacity, Size, and Actions (Edit, View). A modal window titled 'Add New Room' is open, containing the following fields:

- Room Type: Premium (dropdown)
- Capacity: 3 (text input)
- Price: 100 (text input)
- Size: 30 (text input)
- Status: Available (dropdown)
- Location: Ajax (dropdown)
- Add Room (button)

The Windows taskbar at the bottom shows the date and time as 1:23 PM on 12/10/2023.

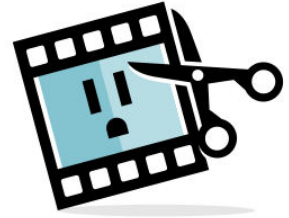
Room Number	Type	Status	Price	Capacity	Size	Actions
1	Premium	Available	100	3	30	Edit View
2	Premium	Available	100	3	32	Edit View
3	Premium	Available	75	3	30	Edit View

Admin - Add Room Feature(2)



Admin - Edit Room Feature(1)

- ❖ Edit Room Feature has the following fields
 - Room Number
 - Room Type
 - Price
 - Size
 - Status
 - Location



Admin - Edit Room Feature

The screenshot shows a web browser window with the title 'Edit Room'. The address bar displays the URL '127.0.0.1:8000/staff/panel/edit-room?roomid=4'. The page has a blue header with the 'IBIS - Accor Group' logo and navigation links for 'Home', 'Dashboard', and 'All Bookings'. A user greeting 'Hello, Admin01' and a 'Logout' button are in the top right. A yellow banner below the header contains the title 'Edit Room'. The main content area is white and contains a form with the following fields: 'Room Number' (text input with value '4'), 'Room Type' (dropdown menu with 'Premium' selected), 'Capacity' (text input with value '3'), 'Price' (text input with value '100'), 'Size' (text input with value '30'), 'Status' (dropdown menu with 'Available' selected), and 'Location' (text input with value 'Ajax'). A red 'Save' button is positioned below the 'Location' field. The browser's taskbar at the bottom shows the system clock as 1:28 PM on 12/10/2023, along with weather information (6°C, Cloudy) and various application icons.

IBIS - Accor Group Home Dashboard All Bookings Hello, Admin01 Logout

Edit Room

Room Number:
4

Room Type:
Premium

Capacity:
3

Price:
100

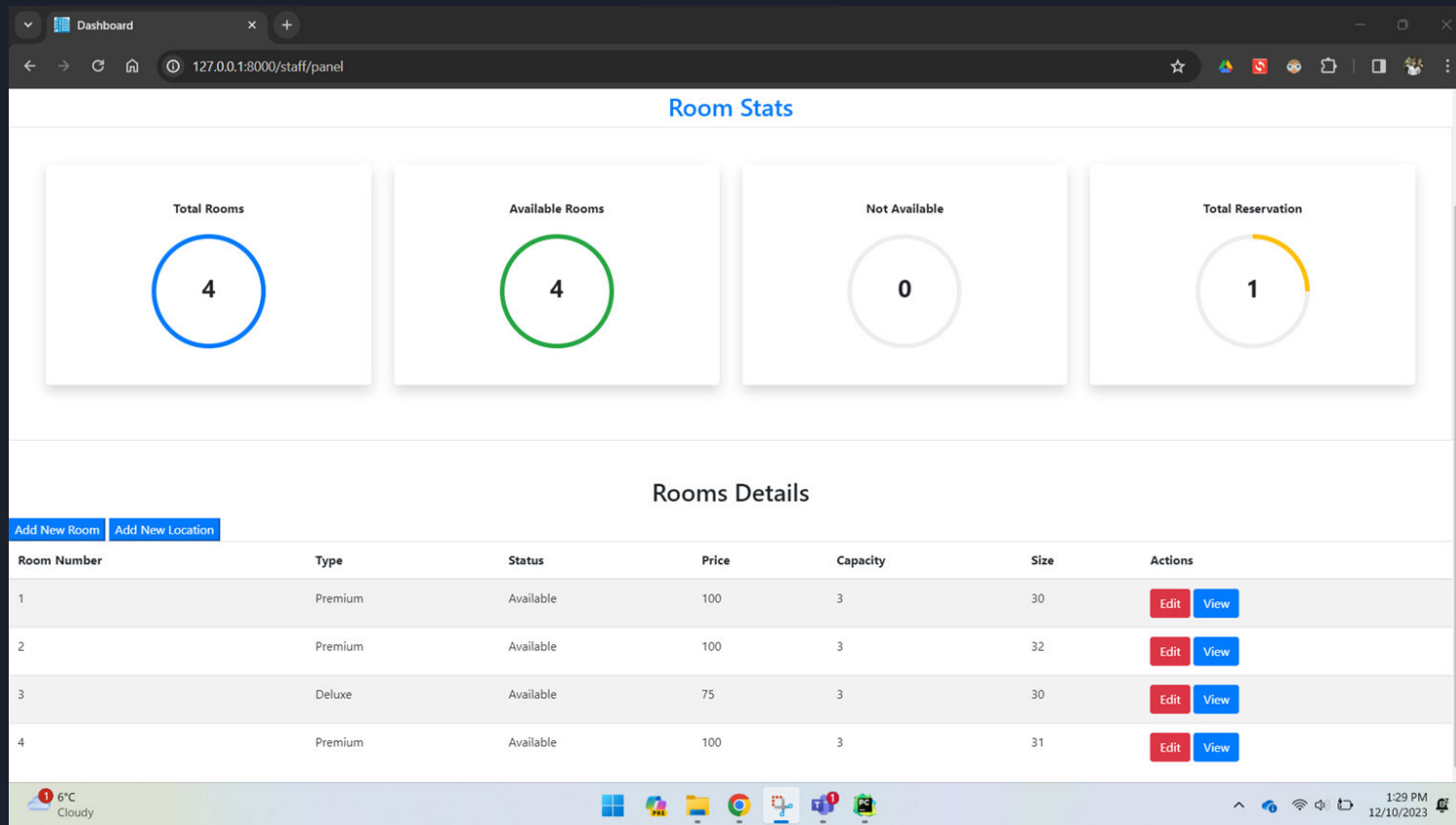
Size:
30

Status:
Available

Location:
Ajax

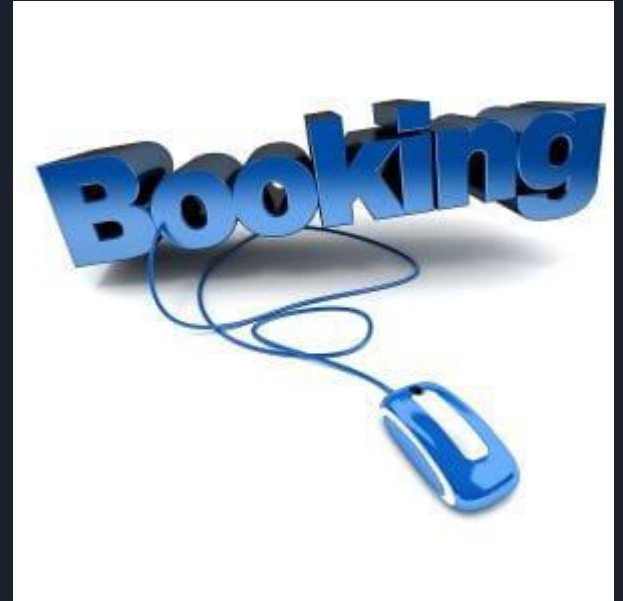
Save

Admin - Edit Room Feature(2)

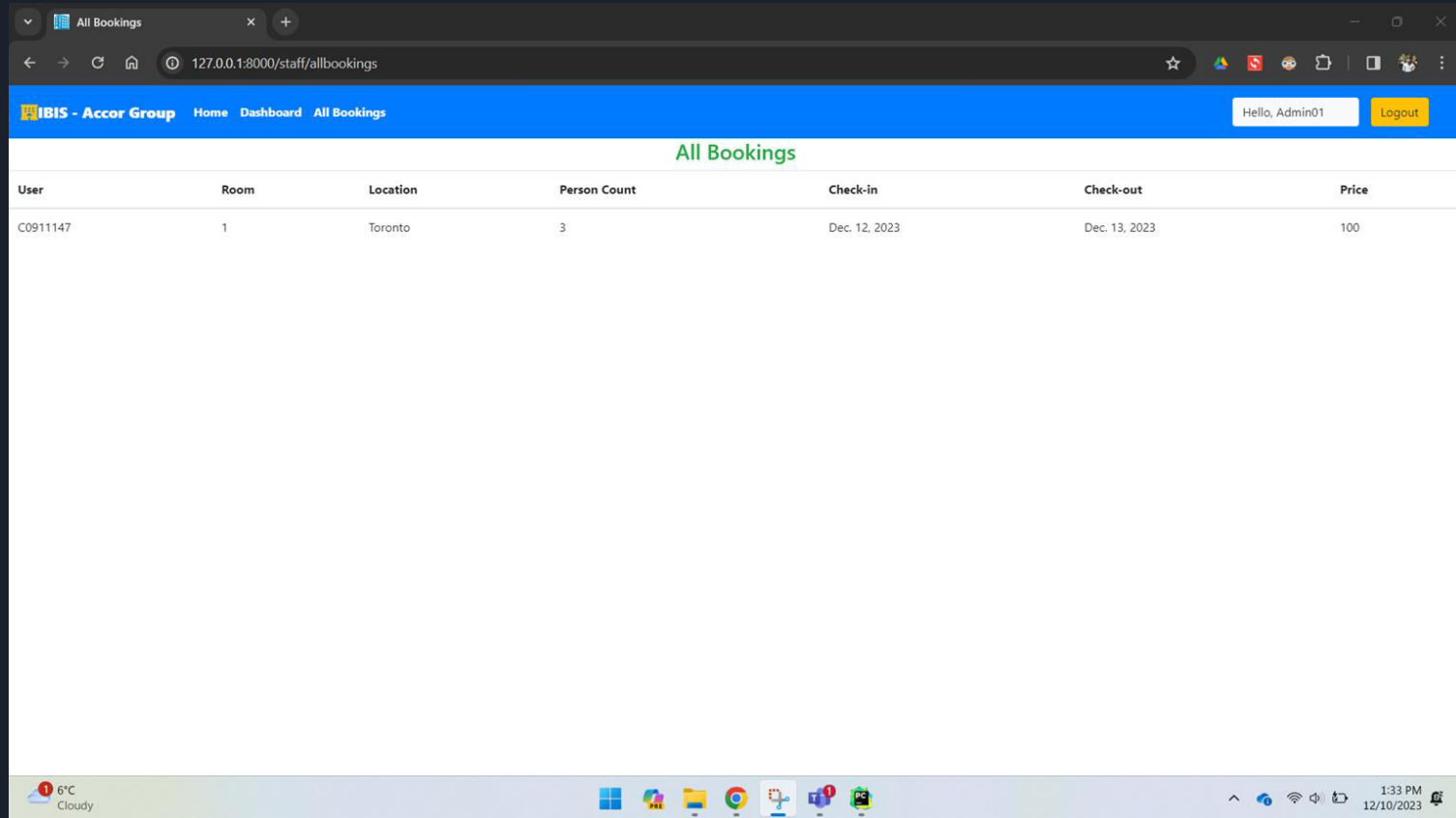


Admin - All Bookings

- ❖ Shows every reservation made by users.
- ❖ Displays all of the booking details Info of User:
 - User ID
 - Room Number
 - Location
 - Persons Count
 - Check-in Time
 - Check-out Time
 - Price



Admin - All Bookings(1)



IBIS - Accor Group Home Dashboard All Bookings Hello, Admin01 Logout

All Bookings

User	Room	Location	Person Count	Check-in	Check-out	Price
C0911147	1	Toronto	3	Dec. 12, 2023	Dec. 13, 2023	100

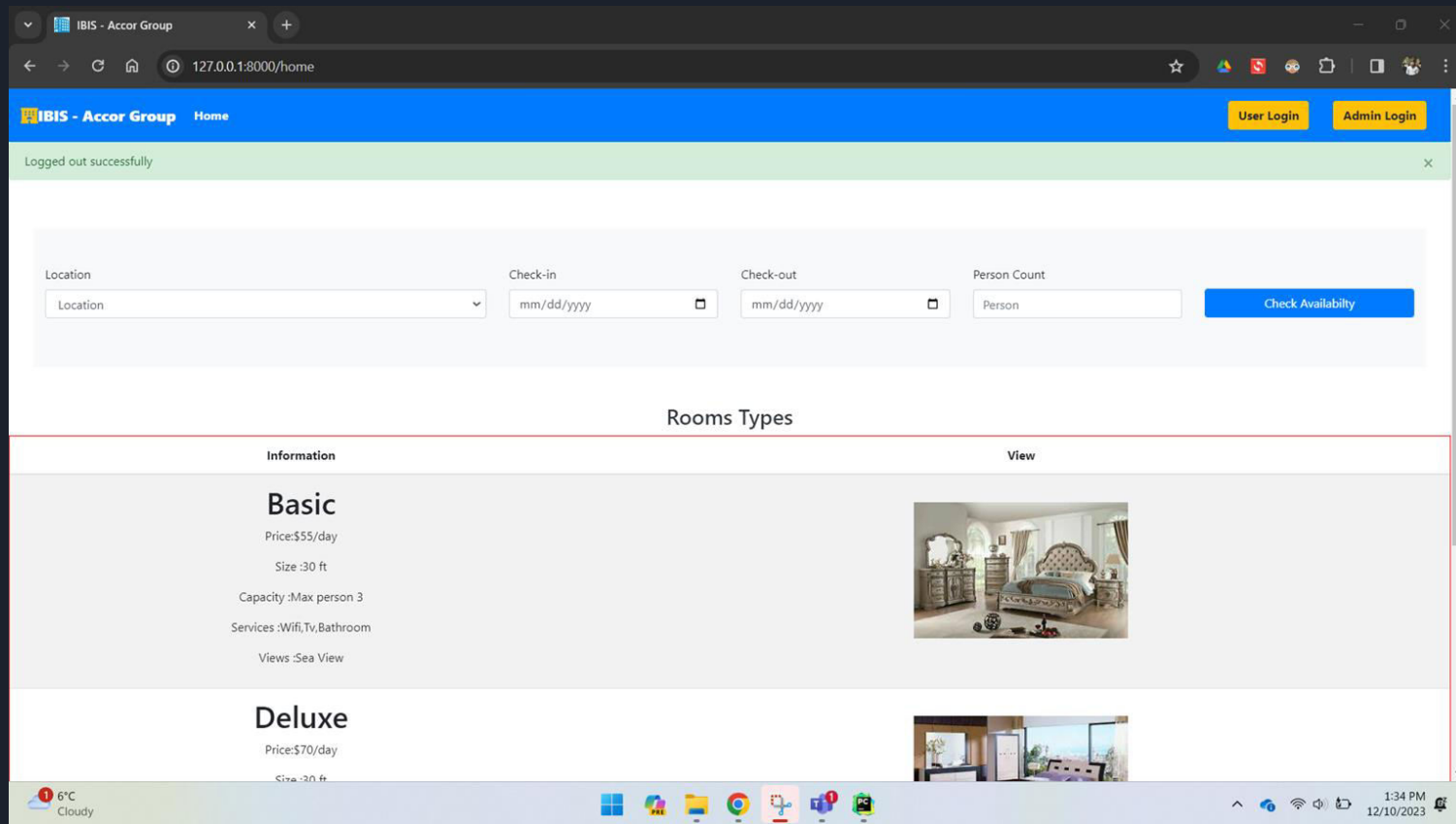
6°C Cloudy 1:33 PM 12/10/2023

Admin - Logout Feature

- ❖ Logout Feature logs out by saving the information related to bookings.
- ❖ This page returns to the homescreen page.
- ❖ Logout feature is available for both admin and user.



Admin - Logout Feature



DevOps Tools - GitHub

The screenshot shows a web browser window displaying a GitHub repository. The browser's address bar shows the URL: `github.com/KarthikeyanGnanavel/Hotel-Reservation-System-Project`. The repository page includes a navigation bar with tabs for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. The repository name is 'Hotel-Reservation-System-Project' and it is marked as 'Private'. The current branch is 'master', with 1 branch and 0 tags. A search bar for files is present. A table lists the repository's files and their commit history:

File	Commit	Time
idea	Commit	5 days ago
hms_bis	Commit	5 days ago
hotel_booking	Commit	5 days ago
templates	Commit	5 days ago
README.md	Update README.md	5 days ago
db.sqlite3	Commit	5 days ago
dockerfile	Docker and requirements file	12 hours ago
manage.py	Docker and requirements file	4 minutes ago
requirements.txt	Docker and requirements file	12 hours ago

The README file is selected, showing the following content:

```
**To Set up the project**

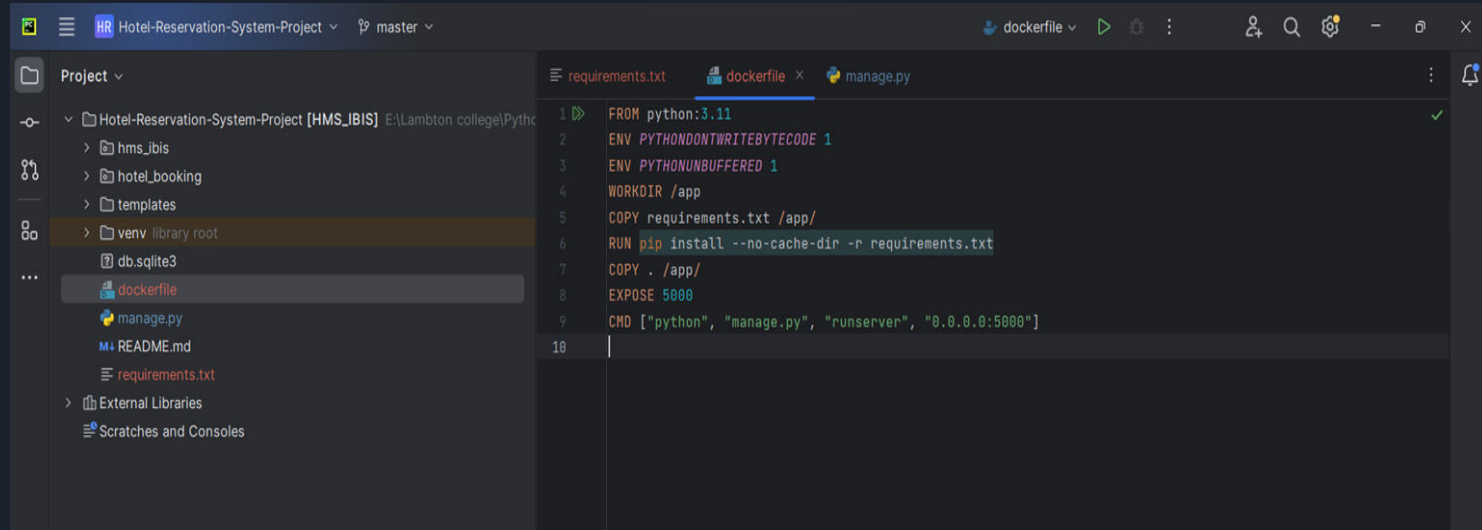
1. Create Virtual environment for the project in pycharm (files->settings->project interpreter -> add interpreter -> Add local interpreter)

2. Install below packages -> Django == 3.0 -> Django rest framework -> Pillow -> Django math filters
```

The right sidebar contains sections for 'About' (no description), 'Releases' (no releases published), 'Packages' (no packages published), and 'Languages' (HTML 77.3%, Python 22.7%). A 'Suggested workflows' section is also visible. The Windows taskbar at the bottom shows the time as 8:19 AM on 12/15/2023.

DevOps Tools - Docker

Docker File



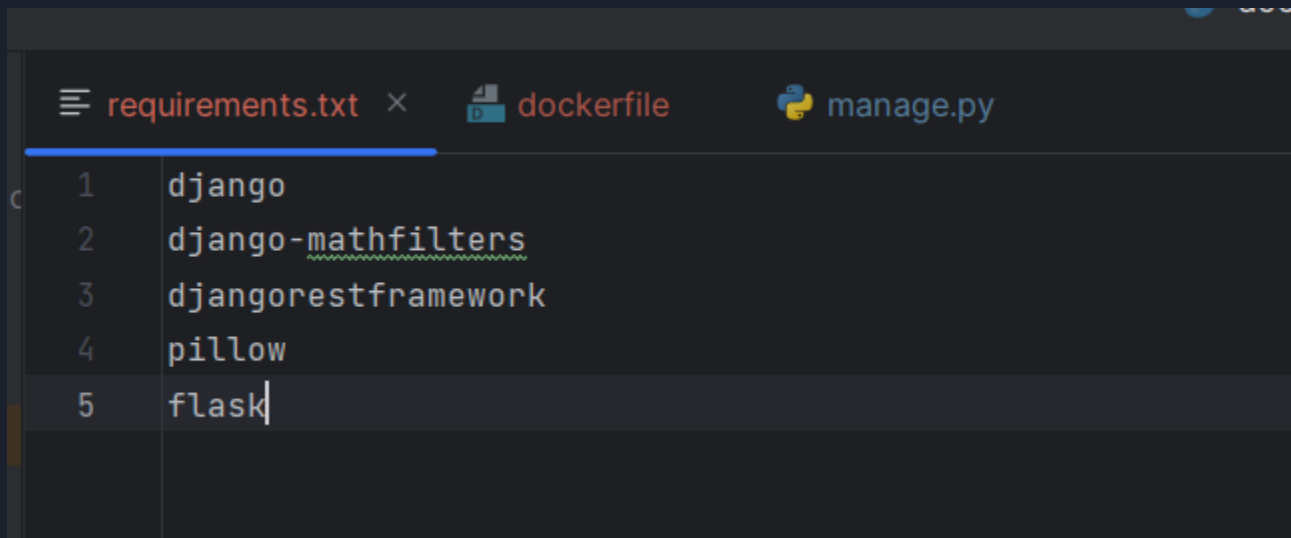
The screenshot shows a code editor interface with a sidebar on the left displaying a project structure. The main editor area shows a Dockerfile with the following content:

```
1 FROM python:3.11
2 ENV PYTHONDONTWRITEBYTECODE 1
3 ENV PYTHONUNBUFFERED 1
4 WORKDIR /app
5 COPY requirements.txt /app/
6 RUN pip install --no-cache-dir -r requirements.txt
7 COPY . /app/
8 EXPOSE 5000
9 CMD ["python", "manage.py", "runserver", "0.0.0.0:5000"]
10
```

The sidebar on the left shows the project structure for 'Hotel-Reservation-System-Project' (HMS_IBIS) located at 'E:\Lambton college\Python'. The files listed are: hms_ibis, hotel_booking, templates, venv (library root), db.sqlite3, dockerfile, manage.py, README.md, requirements.txt, External Libraries, and Scratches and Consoles.

DevOps Tools - Docker

Requirements.txt



```
1  django
2  django-mathfilters
3  djangorestframework
4  pillow
5  flask
```

The image shows a code editor window with three tabs: 'requirements.txt' (active), 'dockerfile', and 'manage.py'. The 'requirements.txt' tab is selected and shows a list of five dependencies, each on a new line and numbered 1 through 5. The dependencies are: 'django', 'django-mathfilters', 'djangorestframework', 'pillow', and 'flask'. The text 'flask' on line 5 has a cursor at the end. The editor has a dark theme.

DevOps Tools - Docker Hosted Web App

IBIS - Accor Group


127.0.0.1:5000

Gmail YouTube Maps IPL WhatsApp Tekstac moodle All Bookmarks

IBIS - Accor Group Home [User Login](#) [Admin Login](#)

Location Check-in Check-out Person Count [Check Availability](#)

Rooms Types

Information	View
<h3>Basic</h3> <p>Price:\$55/day</p> <p>Size :30 ft</p> <p>Capacity :Max person 3</p> <p>Services :Wifi,Tv,Bathroom</p> <p>Views :Sea View</p>	

DevOps Tools - Docker

```
Windows PowerShell
PS E:\Lambton college\Python_AML\Hotel-Reservation-System-Project> docker run -p 5000:5000 hotelrs
Performing system checks...

System check identified some issues:

WARNINGS:
hotel_booking.Hotels: (models.W042) Auto-created primary key used when not defining a primary key type, by default 'django.db.models.AutoField'.
    HINT: Configure the DEFAULT_AUTO_FIELD setting or the BookingConfig.default_auto_field attribute to point to a subclass of AutoField, e.g. 'django.db.models.BigAutoField'.
hotel_booking.Reservation: (models.W042) Auto-created primary key used when not defining a primary key type, by default 'django.db.models.AutoField'.
    HINT: Configure the DEFAULT_AUTO_FIELD setting or the BookingConfig.default_auto_field attribute to point to a subclass of AutoField, e.g. 'django.db.models.BigAutoField'.
hotel_booking.Rooms: (models.W042) Auto-created primary key used when not defining a primary key type, by default 'django.db.models.AutoField'.
    HINT: Configure the DEFAULT_AUTO_FIELD setting or the BookingConfig.default_auto_field attribute to point to a subclass of AutoField, e.g. 'django.db.models.BigAutoField'.

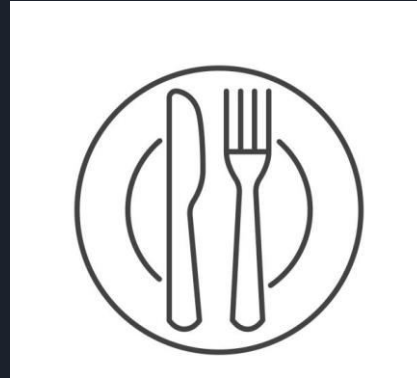
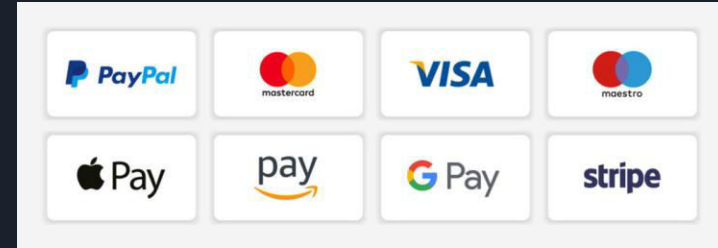
System check identified 3 issues (0 silenced).

You have 1 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): auth.
Run 'python manage.py migrate' to apply them.
December 15, 2023 - 00:30:20
Django version 5.0, using settings 'hms_ibis.settings'
Starting development server at http://0.0.0.0:5000/
Quit the server with CONTROL-C.

[15/Dec/2023 00:30:36] "GET / HTTP/1.1" 200 45347
```


Upcoming/Planned Enhancements

- ❖ Adding Payment Option
- ❖ Email based authentication
- ❖ Adding Loyalty Points Program
- ❖ Include Shuttle Booking Services
- ❖ Customise the Room booking packages
- ❖ Party and Banquet Hall Booking
- ❖ In room and Hotel Dining Ordering Features
- ❖ Payment option with Multi Currency Option



GitHub Reference Link



<https://github.com/KarthikeyanGnanavel/Hotel-Reservation-System-Project/blob/master>



```
for u in range(0, 1000):  
    print('Thank you!')
```



***Thank
you***