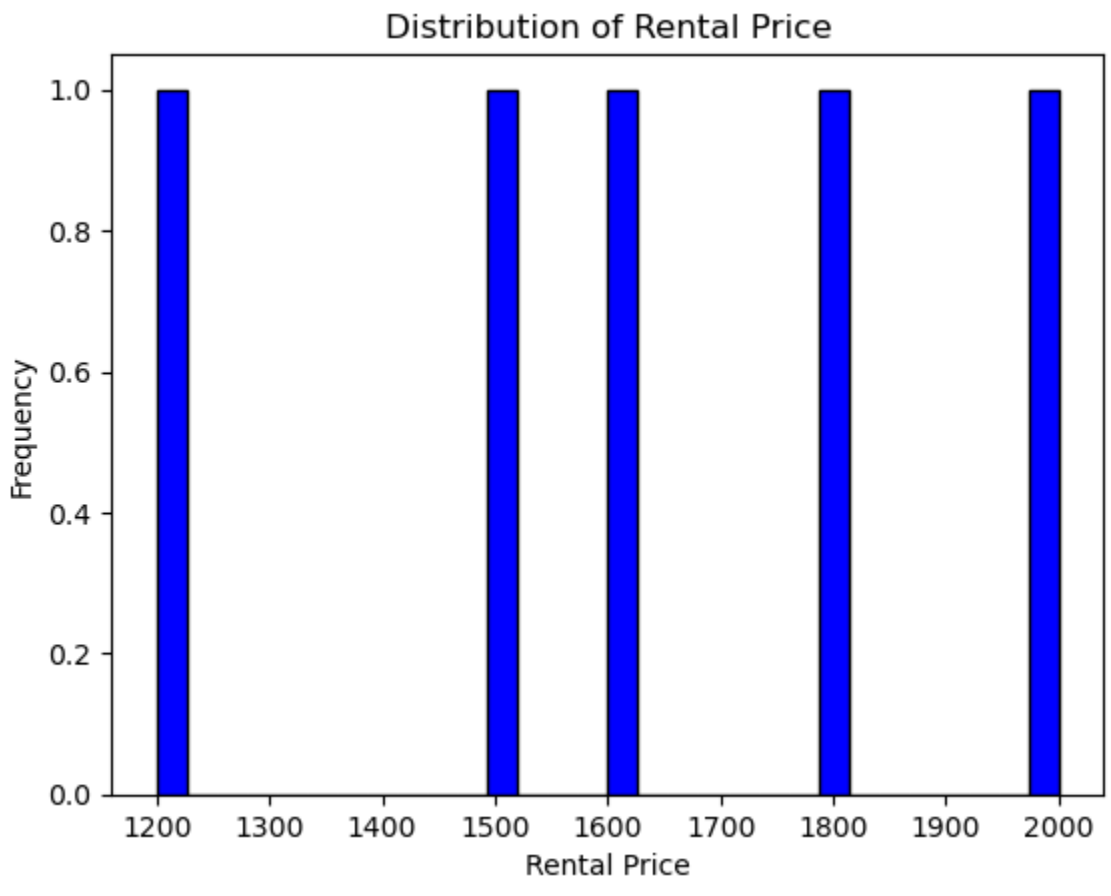
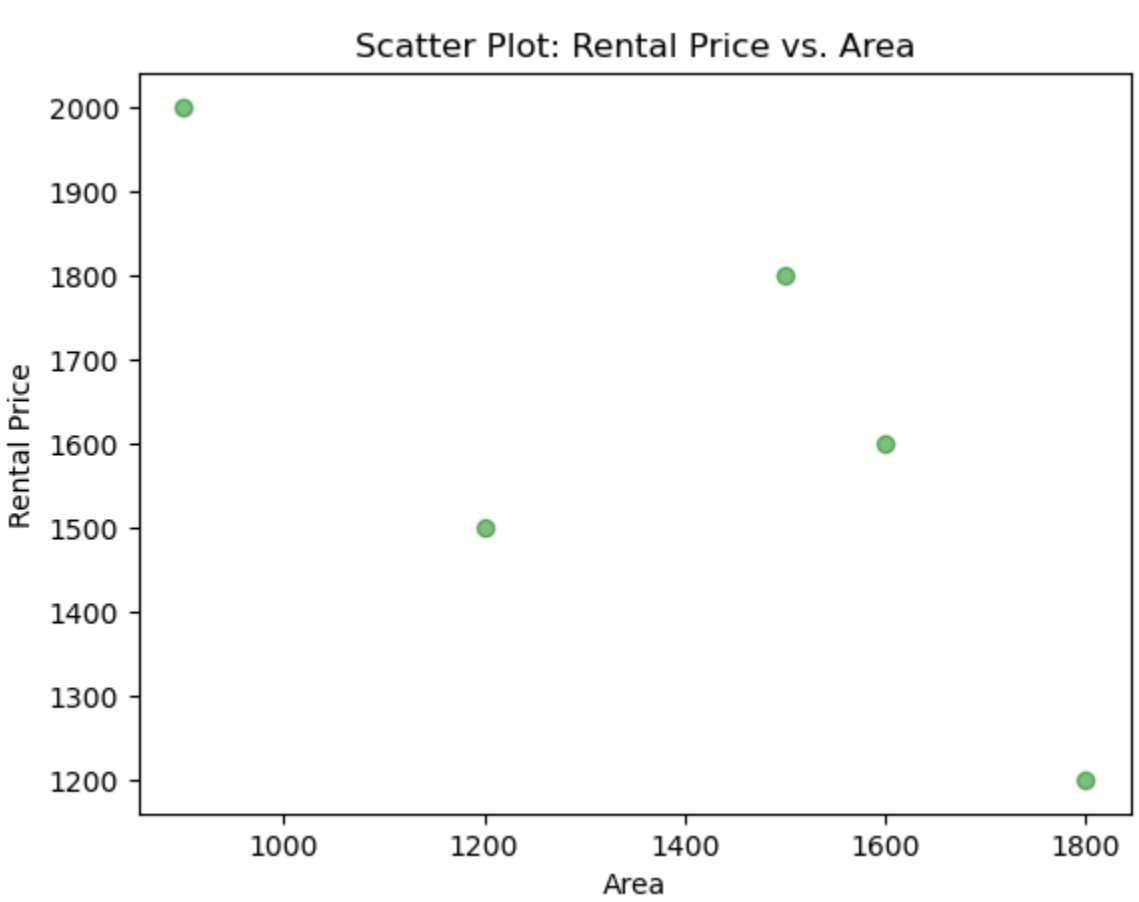
In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt

# Load CSV files into DataFrames
table1 = pd.read_csv('Table1.csv')
table2 = pd.read_csv('Table2.csv')
table3 = pd.read_csv('Table3.csv')

# Merge or concatenate DataFrames
combined_df = pd.concat([table1, table2, table3], axis=1)

# Display the column names in the combined DataFrame
print(combined_df.columns)

# Specify the correct column names based on project information
rental_price_column = 'Rental_Price'
area_column = 'Area'  # Replace with the correct area column name

# Check if the specified columns exist
if rental_price_column in combined_df.columns and area_column in combined_df.columns:
    # Plot histogram for Rental Price
    plt.hist(combined_df[rental_price_column], bins=30, color='blue', edgecolor='black')
    plt.title('Distribution of Rental Price')
    plt.xlabel('Rental Price')
    plt.ylabel('Frequency')
    plt.show()

    # Other analyses based on your data
    # For example, scatter plot between Rental Price and Area
    plt.scatter(combined_df[area_column], combined_df[rental_price_column], color='green', alpha=0.5)
    plt.title('Scatter Plot: Rental Price vs. Area')
    plt.xlabel('Area')
    plt.ylabel('Rental Price')
    plt.show()
else:
    print(f"Warning: The specified columns '{rental_price_column}' or '{area_column}' do not exist in the combined DataFrame. Please verify the colu

# Save the combined DataFrame to a new CSV file
combined_df.to_csv('CombinedDataFrame.csv', index=False)
```

```
Index(['Sno', 'Address', 'City', 'State_Code', 'Country', 'Rental_Price',
       'Deposit', 'Sno', 'No_of_Bed', 'No_of_Bathroom', 'Area', 'Pets_Allowed',
       'Sno', 'Washer_Dryer', 'AC', 'Parking', 'Fireplace', 'Dishwasher',
       'Hardwood_Floors', 'Roofdeck', 'Storage'],
      dtype='object')
```





In [ ]: