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populate_database.py

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import pandas as pd
import sqlite3

# Connect to the SQLite database
conn = sqlite3.connect('../shipment_database.db')
cursor = conn.cursor()

# Create the 'spreadsheet_1' table if it doesn't exist
cursor.execute('''CREATE TABLE IF NOT EXISTS spreadsheet_1 (
    shipment_identifier TEXT,
    product_name TEXT,
    on_time TEXT
)''')

# Read and insert data from Spreadsheet 0
df0 = pd.read_csv('shipping_data_0.csv')
df0.to_sql('spreadsheet_0', conn, if_exists='replace', index=False)

# Read and insert data from Spreadsheet 1
df1 = pd.read_csv('shipping_data_1.csv')
for index, row in df1.iterrows():
    shipment_identifier = row['shipment_identifier']
    product_name = row['product']
    on_time = row['on_time']

    # Write SQL INSERT query for Spreadsheet 1 data
    cursor.execute(f"INSERT INTO spreadsheet_1 (shipment_identifier, product_name, on_time) VALUES
    (?, ?, ?)",
                   (shipment_identifier, product_name, on_time))

# Commit changes to the database
conn.commit()

# Close the connection
conn.close()

```