--- Config.py ---

#ignored not pushed to git!

class Config:

DISCORD_TOKEN =

'MTI2OTM4MTE4OTA1NjMzNTk3Mw.GJdUct.-2RsoynZh78VFGdoXdrXWFhFQPbUCHM7V2w-u8'

CHANNEL_ID = 1269383349278081054

DATABASE_PASSWORD = 'postgres'

--- css_selectors.py ---

class Selectors:

SELECTORS = {

"google": {

"url": "https://www.google.com/"

},

"ebay": {

"url": "https://signin.ebay.com/signin/",

"email_field": "#userid",

"continue_button": "[data-testid*='signin-continue-btn']",

"password_field": "#pass",

"login_button": "#sgnBt",

"price": ".x-price-primary span" # CSS selector for Ebay price

},

"bestbuy": {

"priceUrl":

"https://www.bestbuy.com/site/microsoft-xbox-wireless-controller-for-xbox-series-x-xbox-series-s-xbox-one-windows-devices-sky-cipher-special-edition/6584960.p?skuId=6584960",

"url": "https://www.bestbuy.com/signin/",

```
            "email_field": "#fld-e",
            #"continue_button": ".cia-form__controls  button",
            "password_field": "#fld-p1",
            "SignIn_button": ".cia-form__controls  button",
            "price": "[data-testid='customer-price'] span",  # CSS selector for BestBuy price
            "homePage": ".v-p-right-xxs.line-clamp"
        },
        "opentable": {
            "url": "https://www.opentable.com/",
            "unavailableUrl": "https://www.opentable.com/r/bar-spero-washington/",
            "availableUrl": "https://www.opentable.com/r/the-rux-nashville",
            "availableUrl2": "https://www.opentable.com/r/hals-the-steakhouse-nashville",
            "date_field": "#restProfileSideBarDtpDayPicker-label",
            "time_field": "#restProfileSideBartimePickerDtpPicker",
            "select_date": "#restProfileSideBarDtpDayPicker-wrapper", # button[aria-label*="{}"]
            "select_time": "h3[data-test='select-time-header']",
            "no_availability": "div._8ye6OVzeOuU- span",
            "find_table_button": ".find-table-button",  # Example selector for the Find Table button
            "availability_result": ".availability-result",  # Example selector for availability results
                "show_next_available_button": "button[data-test='multi-day-availability-button']",  # Show
next available button
            "available_dates": "ul[data-test='time-slots'] > li",  # Available dates and times

        }
    }

    @staticmethod
```

```
    def get_selectors_for_url(url):
        for keyword, selectors in Selectors.SELECTORS.items():
            if keyword in url.lower():
                return selectors
        return None  # Return None if no matching selectors are found


--- exportUtils.py ---
import os
import pandas as pd
from datetime import datetime


class ExportUtils:


    @staticmethod
    def log_to_excel(command, url, result, entered_date=None, entered_time=None):
        # Determine the file path for the Excel file
        file_name = f"{command}.xlsx"
        file_path = os.path.join("ExportedFiles", "excelFiles", file_name)


        # Ensure directory exists
        os.makedirs(os.path.dirname(file_path), exist_ok=True)


        # Timestamp for current run
        timestamp = datetime.now().strftime('%Y-%m-%d %H:%M:%S')


        # If date/time not entered, use current timestamp
        entered_date = entered_date or datetime.now().strftime('%Y-%m-%d')
```

```
    entered_time = entered_time or datetime.now().strftime('%H:%M:%S')

    # Check if the file exists and create the structure if it doesn't
    if not os.path.exists(file_path):
        df = pd.DataFrame(columns=["Timestamp", "Command", "URL", "Result", "Entered Date", "Entered Time"])
        df.to_excel(file_path, index=False)

    # Load existing data from the Excel file
    df = pd.read_excel(file_path)

    # Append the new row
    new_row = {
        "Timestamp": timestamp,
        "Command": command,
        "URL": url,
        "Result": result,
        "Entered Date": entered_date,
        "Entered Time": entered_time
    }

    # Add the new row to the existing data and save it back to Excel
    df = pd.concat([df, pd.DataFrame([new_row])], ignore_index=True)
    df.to_excel(file_path, index=False)

    return f"Data saved to Excel file at {file_path}."
```

```
@staticmethod
def export_to_html(command, url, result, entered_date=None, entered_time=None):
    """Export data to HTML format with the same structure as Excel."""

    # Define file path for HTML
    file_name = f"{command}.html"
    file_path = os.path.join("ExportedFiles", "htmlFiles", file_name)

    # Ensure directory exists
    os.makedirs(os.path.dirname(file_path), exist_ok=True)

    # Timestamp for current run
    timestamp = datetime.now().strftime('%Y-%m-%d %H:%M:%S')

    # If date/time not entered, use current timestamp
    entered_date = entered_date or datetime.now().strftime('%Y-%m-%d')
    entered_time = entered_time or datetime.now().strftime('%H:%M:%S')

    # Data row to insert
    new_row = {
        "Timestamp": timestamp,
        "Command": command,
        "URL": url,
        "Result": result,
        "Entered Date": entered_date,
        "Entered Time": entered_time
    }
```

```
    # Check if the HTML file exists and append rows
    if os.path.exists(file_path):
        # Open the file and append rows
        with open(file_path, "r+", encoding="utf-8") as file:
            content = file.read()
            # Look for the closing </table> tag and append new rows before it
            if "</table>" in content:
                new_row_html = f"<tr><td>{new_row['Timestamp']}</td><td>{new_row['Command']}</td><td>{new_row['URL']}</td><td>{new_row['Result']}</td><td>{new_row['Entered Date']}</td><td>{new_row['Entered Time']}</td></tr>\n"
                content = content.replace("</table>", new_row_html + "</table>")
                file.seek(0)  # Move pointer to the start
                file.write(content)
                file.truncate()  # Truncate any remaining content
                file.flush()  # Flush the buffer to ensure it's written
    else:
        # If the file doesn't exist, create a new one with table headers
        with open(file_path, "w", encoding="utf-8") as file:
            html_content = "<html><head><title>Command Data</title></head><body>"
            html_content += f"<h1>Results for {command}</h1><table border='1'>"
            html_content += "<tr><th>Timestamp</th><th>Command</th><th>URL</th><th>Result</th><th>Entered Date</th><th>Entered Time</th></tr>"
            html_content += f"<tr><td>{new_row['Timestamp']}</td><td>{new_row['Command']}</td><td>{new_row['URL']}</td><
```

```
td>{new_row['Result']}</td><td>{new_row['Entered Date']}</td><td>{new_row['Entered Time']}</td></tr>\n"
            html_content += "</table></body></html>"
            file.write(html_content)
            file.flush()  # Ensure content is written to disk

        return f"HTML file saved and updated at {file_path}."



--- MyBot.py ---
import discord
from discord.ext import commands
from boundary.BrowserBoundary import BrowserBoundary
from boundary.NavigationBoundary import NavigationBoundary
from boundary.HelpBoundary import HelpBoundary
from boundary.StopBoundary import StopBoundary
from boundary.LoginBoundary import LoginBoundary
from boundary.AccountBoundary import AccountBoundary
from boundary.AvailabilityBoundary import AvailabilityBoundary
from boundary.PriceBoundary import PriceBoundary
from DataObjects.global_vars import GlobalState  # Import the global variable

# Bot initialization
intents = discord.Intents.default()
intents.message_content = True  # Enable reading message content

class MyBot(commands.Bot):
```

```
    def __init__(self, *args, **kwargs):
        super().__init__(*args, **kwargs)

    async def on_message(self, message):
        if message.author == self.user:  # Prevent the bot from replying to its own messages
            return

        print(f"Message received: {message.content}")
        GlobalState.user_message = message.content

        if GlobalState.user_message.lower() in ["hi", "hey", "hello"]:
            await message.channel.send("Hi, how can I help you?")

        elif GlobalState.user_message.startswith("!"):
            print("User message: ", GlobalState.user_message)

        else:
              await message.channel.send("I'm sorry, I didn't understand that. Type !project_help to see the list of commands.")

        await self.process_commands(message)
        GlobalState.reset_user_message()  # Reset the global user_message variable
        #print("User_message reset to empty string")

    async def setup_hook(self):
        await self.add_cog(BrowserBoundary())  # Add your boundary objects
```

```
        await self.add_cog(NavigationBoundary())
        await self.add_cog(HelpBoundary())
        await self.add_cog(StopBoundary())
        await self.add_cog(LoginBoundary())
        await self.add_cog(AccountBoundary())
        await self.add_cog(AvailabilityBoundary())
        await self.add_cog(PriceBoundary())

    async def on_ready(self):
        print(f"Logged in as {self.user}")
            channel = discord.utils.get(self.get_all_channels(), name="general")  # Adjust the channel name if needed
        if channel:
            await channel.send("Hi, I'm online! Type '!project_help' to see what I can do.")

    async def on_command_error(self, ctx, error):
        if isinstance(error, commands.CommandNotFound):
            print("Command not recognized:")
            print(error)
             await ctx.channel.send("I'm sorry, I didn't understand that. Type !project_help to see the list of commands.")

# Initialize the bot instance
bot = MyBot(command_prefix="!", intents=intents, case_insensitive=True)

def start_bot(token):
    """Run the bot with the provided token."""
```

```
bot.run(token)
```