

CurrencyBot

CurrencyBot is a Telegram bot for currency conversion and viewing real-time exchange rates.



Features

- Convert any currency to any other using the exchangerate.host API.
 - View real-time exchange rates of selected currencies against the US Dollar (USD).
 - Ability to add or remove currencies you want to track.
 - Exchange rates are updated automatically upon request.
-

Requirements

- Python 3.10+
 - Aiogram 3.x
 - aiohttp
 - python-dotenv
-

Installation

1. Clone the repository:

```
git clone https://github.com/Ggyuiiiiiiiijhtcc/CurrencyBot.git
cd CurrencyBot
```

2. Install dependencies:

```
pip install -r requirements.txt
```

3. Create a `.env` file in the root directory and add your API key and bot token:

```
API_KEY=your_exchangerate_host_key
TOKEN=your_telegram_bot_token
```

4. Run the bot:

```
python start.py
```

Configuring Tracked Currencies

- In `handlers.py`, locate the block where current exchange rates are requested:

```
params = {  
    "access_key": os.environ.get('API_KEY'),  
    "base": "USD",  
    "currencies": "EUR,PLN,RUB,UAH" # Add or remove currencies here  
}
```

- To add a currency: add its code separated by a comma, e.g., `"EUR,PLN,RUB,UAH,GBP"`
- To remove a currency: delete its code from the list.

Bot Usage Examples

1. Currency conversion:

```
/Convert  
Enter currency: USD  
Enter currency: UAH  
Enter amount: 100  
Result: 100 USD = 4137.00 UAH
```

2. View current exchange rates:

```
/ChangeInfo  
Dollar -> Euro : 0.92  
Dollar -> Zloty : 3.59  
Dollar -> Rubles : 92.11  
Dollar -> Hryvnia : 41.23
```

Links

- exchangerate.host — source for currency exchange rates

Important

- A **valid API key** from exchangerate.host is required for the bot to work.
- Do **not** commit your `.env` file with API keys or tokens to a public repository.

Author

[Ggyuiiiiiiiijhtcc](#)



License

MIT