Kiraj Agromart Pvt Ltd

Problem Statement: Create a Django application with the below-given specification within 16 hrs and push it to the public GitHub repository. Send a link of your repository to our email address kirajpvtltd@gmail.com

- You will be eligible for the next round if 50% of the task is complete.
- Using a search engine is allowed.
- Use proper coding standards and comments.

Specification:
1. Django project with the name "TradingProject".
2. Django app within the project "MainApp".
3. MainApp should have a view to accepting a CSV file and timeframe(will be a number).
4. Store the CSV file on the Django server. You have to read a CSV file using the fastest option available. Store the data present in the file in the python list of candle objects.
5. The candle object will have attributes: [id, open, high, low, close, date]
6. You have to convert the list of candles that will be one minute into a given timeframe. [Use async operations]
7. Store this converted data into a JSON file and store it in the file system.
8. In the response, the user should get the option to download the JSON file.

Example:
Input data of one minutes candle(check the Date time) from csv file:
```
BANKNIFTY,DATE,TIME,OPEN,HIGH,LOW,CLOSE,VOLUME
NIFTY_F1,20120102,09:16,4638.00,4638.00,4616.05,4626.20,212950
NIFTY_F1,20120102,09:17,4626.00,4628.00,4622.30,4625.30,107550
NIFTY_F1,20120102,09:18,4625.30,4635.55,4625.30,4635.55,81950
NIFTY_F1,20120102,09:19,4635.70,4639.70,4634.00,4638.20,79350
NIFTY_F1,20120102,09:20,4638.50,4639.90,4637.45,4638.90,72100
NIFTY_F1,20120102,09:21,4638.05,4645.25,4638.00,4643.00,100700
NIFTY_F1,20120102,09:22,4642.50,4643.00,4637.00,4637.65,65450
NIFTY_F1,20120102,09:23,4636.45,4638.00,4634.25,4637.35,46150
NIFTY_F1,20120102,09:24,4638.50,4642.10,4637.90,4637.90,51850
NIFTY_F1,20120102,09:25,4638.00,4640.55,4635.70,4640.50,39450
```
TimeFrame: 10 minutes Output
```
NIFTY_F1,20120102,09:16,4638.00,4645.25,4616.05,4640.50,39450
```

Csv File Link:
https://drive.google.com/file/d/19KnvzgABqMPYBrQF2-qxU1hfiAOkc9DA/view?usp=sharing