# **Flipkart Scraper Application**

This Flask-based application allows you to scrape product data from Flipkart, store it in a MySQL database, and download the results in CSV or Excel format. You can also schedule scraping operations, view stored data, and export data.

## **Features**

* **Scrape Flipkart Data**: Scrape product name, prices, and ratings from Flipkart.
* **Store Data in MySQL**: Save scraped data in a MySQL database.
* **Download Data**: Download the scraped data in CSV or Excel format.
* **Scheduled Scraping**: Set scraping intervals and get real-time updates for the next scheduled scrape.
* **View Data**: View and export scraped data stored in the database.

## **Prerequisites**

* Python 3.x
* MySQL Database
* Flask
* Required Python Packages (requirements.txt):
  + pandas
  + mysql-connector-python
  + pytz

## **Setup Instructions**

1. Clone the repository and navigate to the project directory:
2. Install the required Python packages:

pip install -r requirements.txt

1. Set up your MySQL database and update the DB\_CONFIG in the app.py file with your database credentials.
2. Start the Flask app:

bash

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python app.py

1. Access the application at:

arduino

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<http://localhost:5000>

## **Usage**

* **Scrape Data**: Submit a Flipkart URL via the form to scrape data.
* **Schedule Scraping**: Set a time interval for recurring scraping from the UI.
* **View Data**: Go to /data to view stored scraped data.
* **Export Data**: Use /export\_data to download data in CSV or Excel format.