# Sagar LIVE - Setup and Usage Guide

## Prerequisites

Ensure the following are installed on your system:

1. Python 3.9 or later

2. Git

3. pip (Python package installer)

4. Node.js and npm

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## Step-by-Step Instructions

### 1. Clone the Repository

Open your terminal and execute:

```bash  
git clone https://github.com/CSACHIN77/Sagar\_LIVE.git  
```

### 2. Navigate to the `strategy\_live` Directory

Switch to the `strategy\_live` folder:

```bash  
cd Sagar\_LIVE/strategy\_live  
```

### 3. Install Dependencies

Install the required Python packages using pip:

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

### 4. Modify Environment in `main.py`

Locate \*\*Line #30\*\* in the `main.py` file:

- To run in \*\*LIVE mode\*\*, set the environment to `live`.

- To run in \*\*SANDBOX mode\*\*, set the environment to `sandbox`.

### 5. Run the Application

Execute the following command to start the `main.py` script:

```bash  
python main.py  
```

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## Running Strategy in Sandbox Mode

### 1. Switch to the `strategy\_sandbox` Directory

Navigate to the `strategy\_sandbox` folder:

```bash  
cd ../strategy\_sandbox  
```

### 2. Prepare Required Files

- \*\*Delete\*\* the `orderbook.json` and `tradebook.json` files if they exist in the directory.

- \*\*Reset\*\* the `last\_id.txt` file by opening it and setting the value to `1`.

### 3. Install Node.js Packages

Run the following command to install the required Node.js packages:

```bash  
npm install  
```

### 4. Start Node.js Scripts

Execute the following commands to start the Node.js servers:

```bash  
node server\_2.js  
node ordersocket.js  
```

### 5. Switch Back to `strategy\_live`

Navigate back to the `strategy\_live` directory:

```bash  
cd ../strategy\_live  
```

### 6. Run the Application in Sandbox Mode

Ensure \*\*Line #30\*\* in `main.py` is set to `sandbox`, then execute:

```bash  
python main.py  
```

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## Expected Output

- The application will start running, and you will see logs indicating the strategy is live or running in sandbox mode.

- Ensure all required configurations (such as API keys or environment variables) are correctly set up.

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## Troubleshooting

### Error: `ModuleNotFoundError`

Ensure that all dependencies are properly installed. You can try re-running:

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

### Error: Connection Issues

Verify that all required services (like APIs or databases) are running and that the connection credentials in the code are correct.

### Python Version Issues

Confirm you are using the correct Python version:

```bash  
python --version  
```

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## Additional Notes

- If you're using a virtual environment, activate it before running the `pip install` command:

```bash  
source /path/to/your/venv/bin/activate  
```

- For further assistance, refer to the project's repository:

[https://github.com/CSACHIN77/Sagar\_LIVE](https://github.com/CSACHIN77/Sagar\_LIVE).