

# Excel File Validator and Data Mart Loader

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This Python program is designed to run on a server, monitoring a specified directory for the upload of Excel files. Once an Excel file is detected, the program reads and validates each row before inserting the validated data into a Data Mart using MySQL.

## Features

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- **Automated Validation:** The program automatically validates each row of data in the Excel file, ensuring accuracy and compliance with predefined criteria.
- **MySQL Integration:** Validated data is seamlessly inserted into a MySQL Data Mart, providing a centralized and structured storage solution.
- **Directory Monitoring:** The program continuously monitors a specified directory for new Excel file uploads, allowing for real-time data processing.

## Getting Started

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To get started with the Excel File Validator and Data Mart Loader, follow the steps below:

### Prerequisites

- Python (v3.6 or higher) : [click here](#).
- MySQL Server (XAMPP) : [click here](#).
- Additional Python packages (specified in requirements.txt)

### Installation

1. Clone the repository:

```
git clone https://github.com/eraldss1/twc-finance.git
```

2. Navigate to the project directory:

```
cd twc-finance
```

3. Install dependencies:

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

4. Configure the program by editing the configuration file (twc\_config.yml) with your MySQL connection details and directory path. There is example inside the config directory.

```
host: ""  
port:  
user: ""  
password: ""  
database: ""  
  
directory_to_watch : ""
```

## Usage

Upload Excel files to the specified directory, and the program will automatically validate each row and insert the valid data into the MySQL Data Mart.