

Streamlit Excel Manager - Code Explanation

Code Functionality Summary

This Streamlit web application allows users to manage Excel files for a warehouse system. The functionalities are:

1. **Folder Initialization**:

- Ensures the folder 'All Data - Ibrahim Mohamad' exists to store Excel files.

2. **Streamlit Configuration**:

- Sets the page title and layout.
- Displays the title of the app.

3. **File Display**:

- Lists all `.xlsx` files in the folder.
- Allows the user to select a file from a dropdown menu.

4. **Create a New Excel File**:

- User can input a name for a new file.
- Creates the file with pre-defined columns if it doesn't already exist.

5. **Open and View File**:

- When a file is selected, its contents are displayed using a DataFrame.

6. **Add Row**:

- A form allows users to enter data.

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- The new row is added to the file.

7. ****Edit Row****:

- User enters the row index to edit.
- A form pre-fills the row data.
- User updates the values, and the file is saved.

8. ****Delete Row****:

- User enters the row index to delete.
- The row is removed and the file is updated.

9. ****Delete Entire File****:

- Deletes the selected file upon confirmation.

10. ****Create Specific File****:

- Creates a new Excel file called 'Warehouse Number One' with standard columns.

****Libraries Used****:

- `os` for file handling.
- `pandas` for manipulating Excel files.
- `streamlit` for building the web interface.

App Flowchart

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