Custom Individual Solution

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:-)

Running the Program

Requirements

- **Python 3.10 or newer** is required, as this project uses the Flet GUI library, which depends on that version or later.

Before Running

- Install dependencies listed in `requirements.txt` located in the root directory.

Alternatively, you can run:

```
make install
```

(from the root of the project)

Main Entry Point

- The main file is `main.py`

Database Logic & Utilities

- Refer to `units.py`

Unit Tests

- Refer to `unit_tests.py`

Usage Guide

Configuration

Before running the program, configure the `configuration.json` file with the following structure:

```json
{

    "host": "localhost",

    "port": 3306,

    "database": "File_Management",

    "user": "root"

}
```

The `password` field is optional:

```json
{

    "host": "localhost",

    "port": 3306,

    "database": "File_Management",

    "user": "root",

    "password": "your_password"

}
```
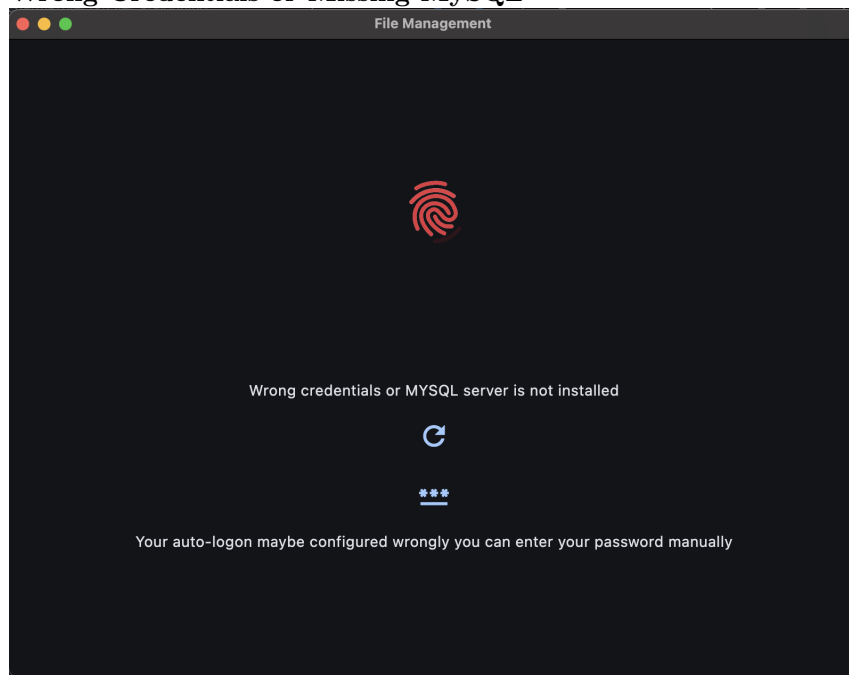
The example `configuration.json`:

```json
{
  "host": "localhost",
  "port": 3306,
```

```
  "database": "File_Management",
  "user": "root"
}
```

Launching the App

- Run `main.py` and wait a few seconds for the Flet GUI to render.
- Depending on your configuration, one of the following screens may appear:
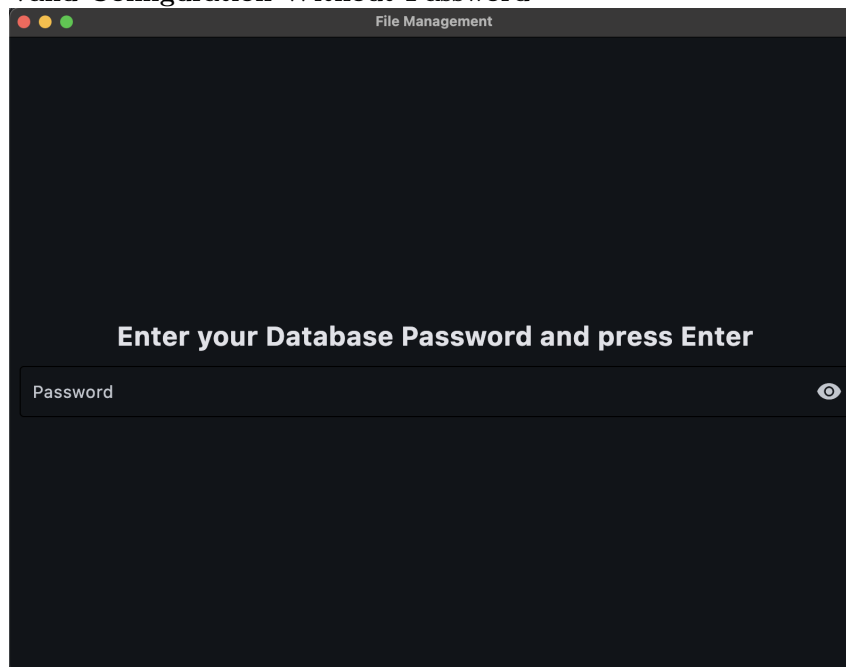
1. **Wrong Credentials or Missing MySQL**

   Appears if the structure is valid but credentials are incorrect, or if MySQL is not installed/initialized.
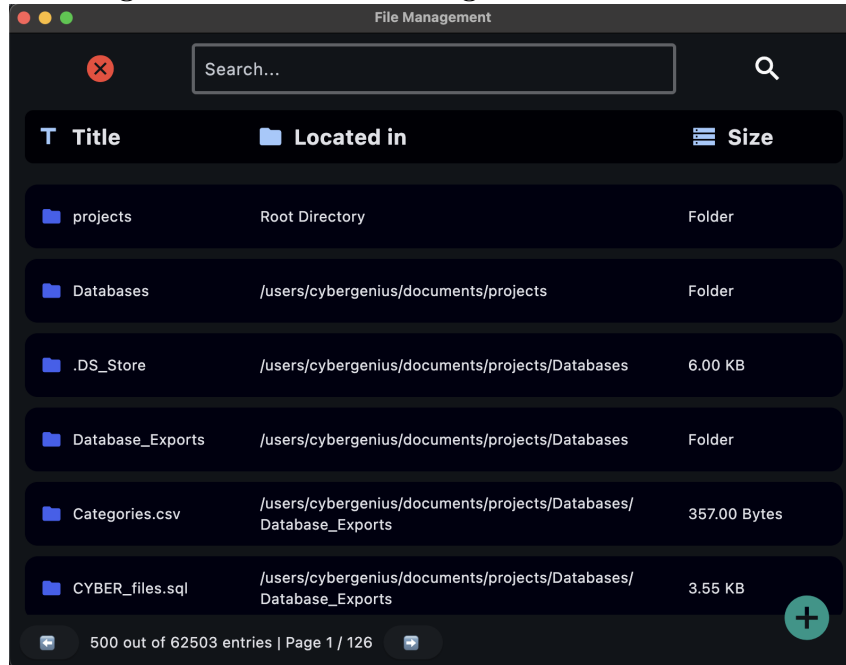
2. **Invalid JSON Structure**

Ensure the configuration contains only a single valid JSON object.

3. **Valid Configuration Without Password**

4. **Auto-Login via Password in Config**

If the password is provided and correct, the app launches without prompting
for login.

Handling Errors After Launch

If an error occurs after the app starts (e.g., config error, DB connection failure,
incorrect password):

- **Do not restart the app.** Fix the issue, then use these buttons:
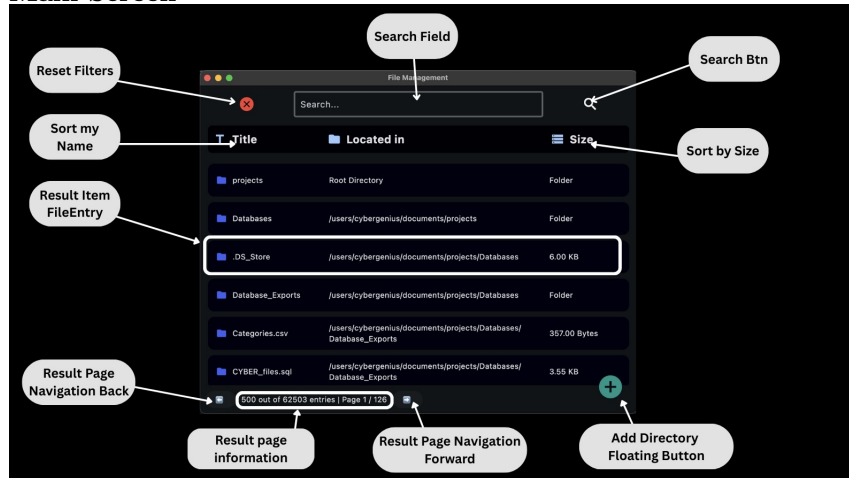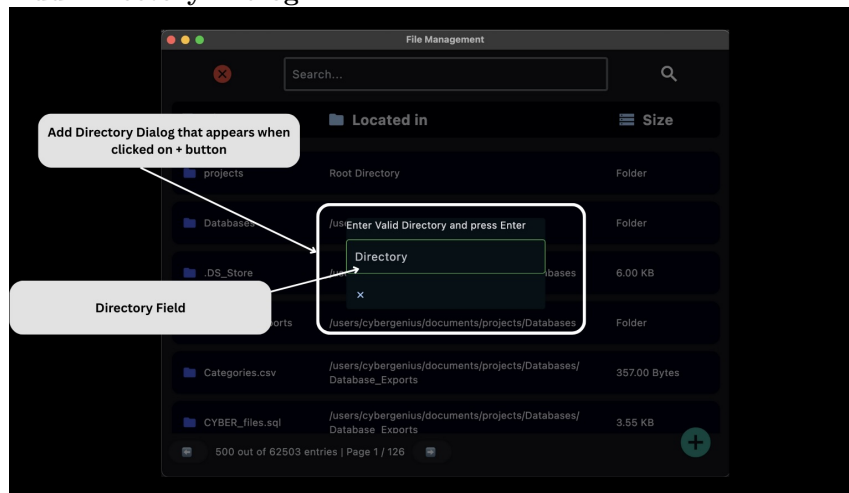   - Refresh the app:

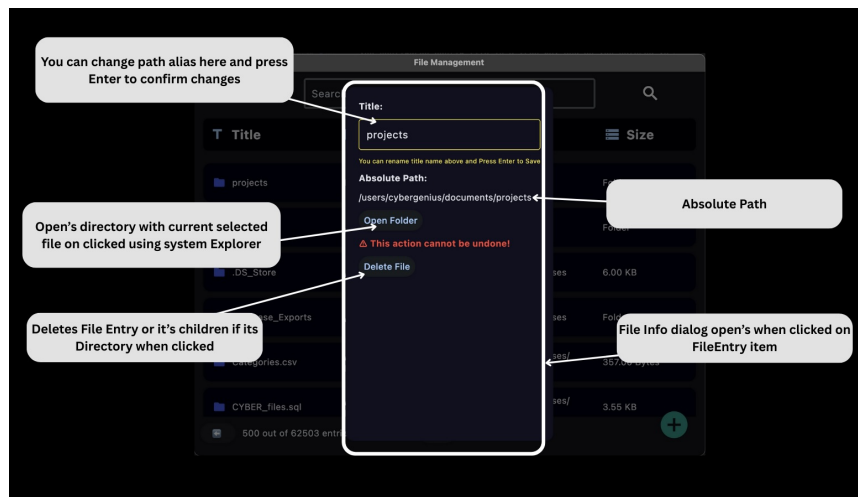   - Re-enter password:

Functional Documentation

- ## Main Screen

- ## Add Directory Dialog

- ## Item Info & Edit Dialog

End of Documentation

Owner

© `02ff3e1f49cba8863f1922f613b639d6`

(Hashed with MD5 for internal reference purposes)