

Mango - User Guide

Prerequisites

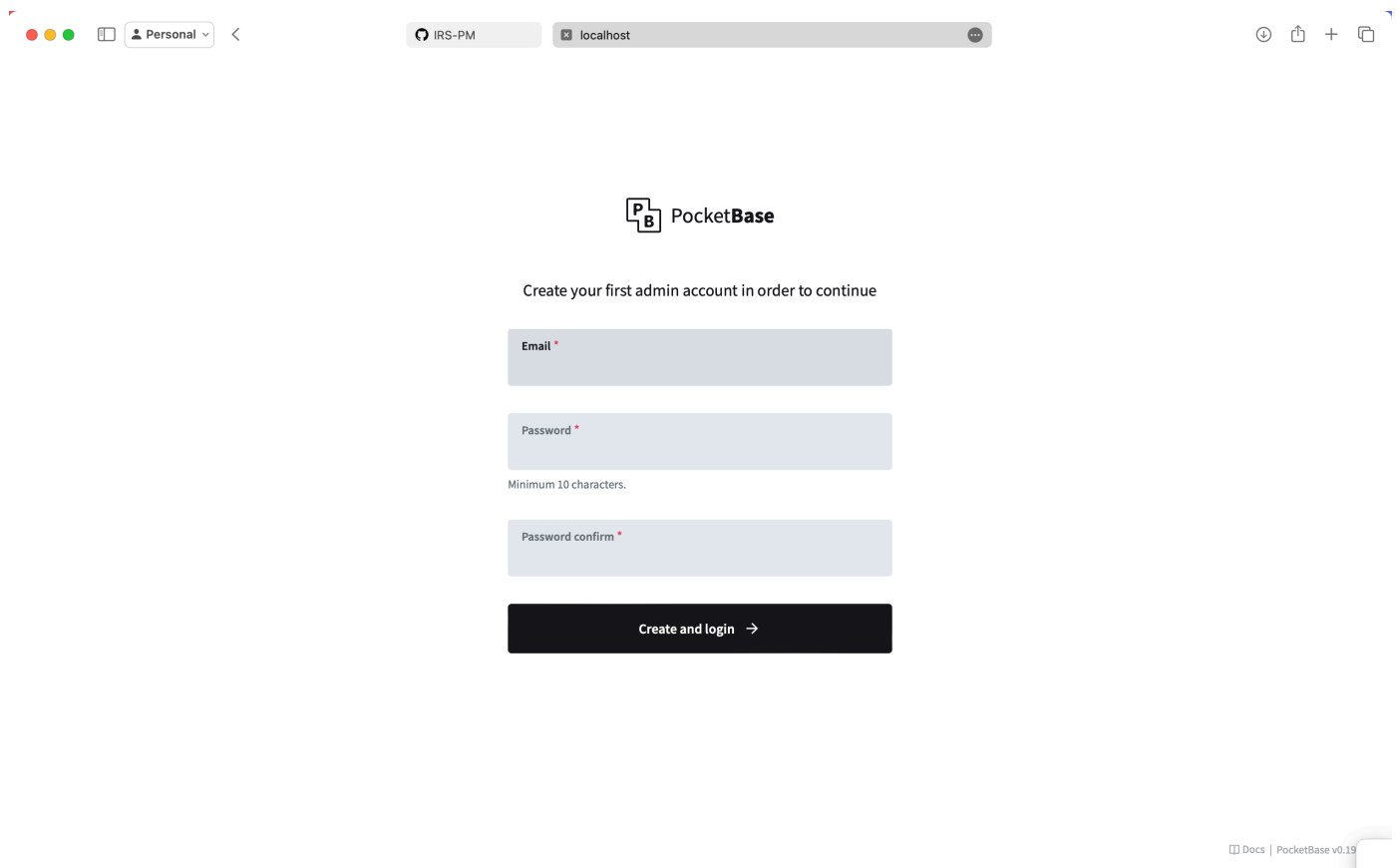
- **Docker**
- **Internet access:** Pre-trained paper embeddings are stored on **Managed Milvus Cloud**

User Database Setup

Move to the same folder where `docker-compose.yaml` file are placed. Run the following command to set up your user profile database -

```
docker-compose up -d
```

Then, open webpage `localhost:8090/_/` to sign up your admin account -



The screenshot shows a web browser window with the PocketBase admin interface. The browser's address bar shows 'localhost'. The page has a dark header with the PocketBase logo and the text 'Create your first admin account in order to continue'. Below this, there are three input fields: 'Email *', 'Password *', and 'Password confirm *'. The 'Password *' field has a note below it: 'Minimum 10 characters.' At the bottom of the form is a dark button labeled 'Create and login →'. The browser's status bar at the bottom right shows 'Docs | PocketBase v0.19'.

PocketBase

Create your first admin account in order to continue

Email *

Password *

Minimum 10 characters.

Password confirm *

Create and login →

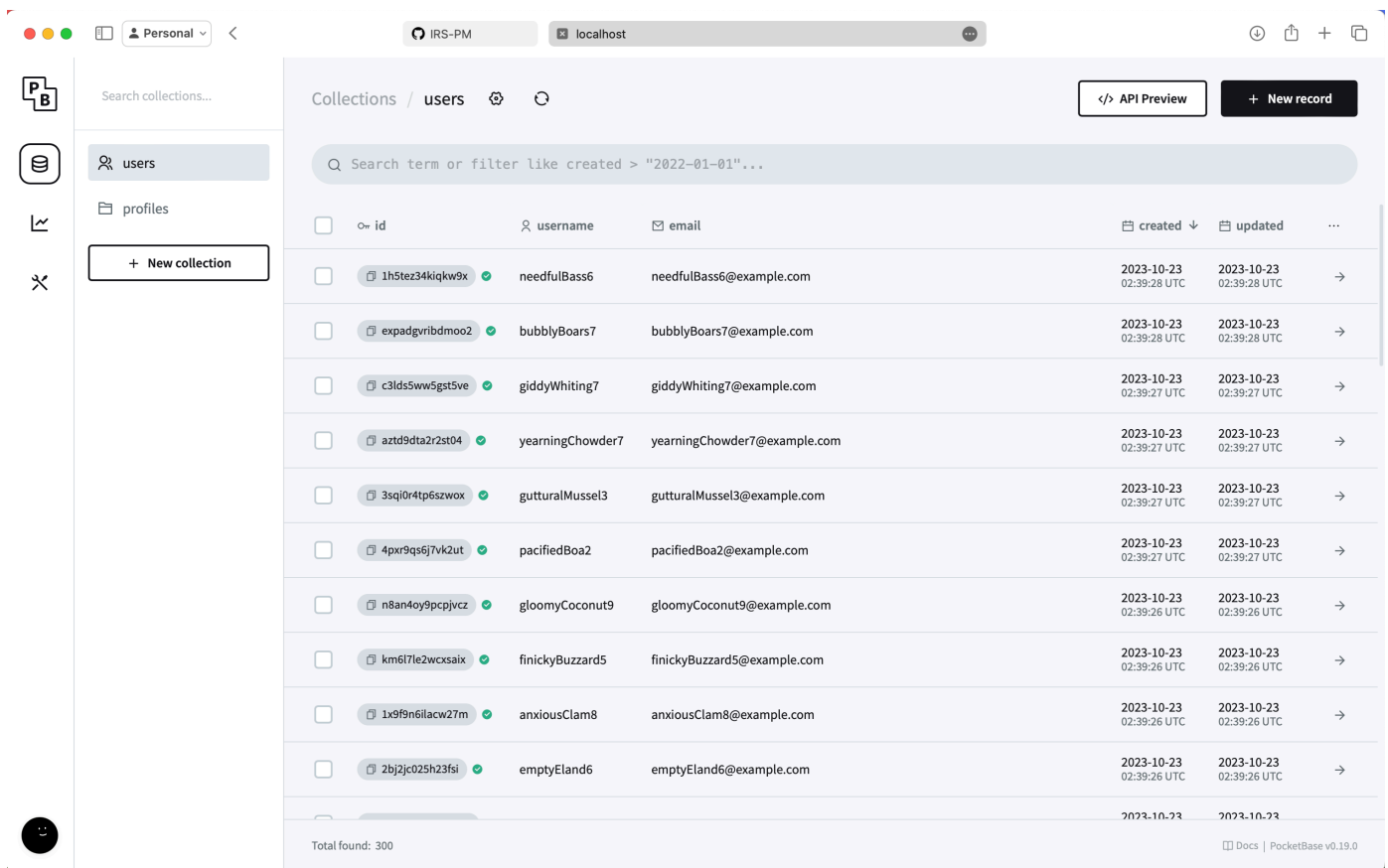
Docs | PocketBase v0.19

After you logged into the pocketable, move to the "settings" page and import the table schema with user data -

- Import `mango-user/pb_schema.json` to create collections.
- Upload `mango-user/backup1.zip` into the backup page and restore.

The container may shutdown but it is OK. Don't worry.

Run `docker-compose down` and re-run `docker-compose up -d` to restart the container. Then heading to the admin page you will find the records are already restored.



Then, you have successfully setup the user database.

Backend Setup

Go to the `Mango-server` folder, and download the models, stores, and config file from our Google Drive. Unzip the `zip` file after successfully downloaded it.

- Download Link: https://drive.google.com/file/d/1M2TNcVArPhBpWrU9-Ok4fNLn3LXj-u2B/view?usp=share_link

First, please follow official guide to install **Poetry** -

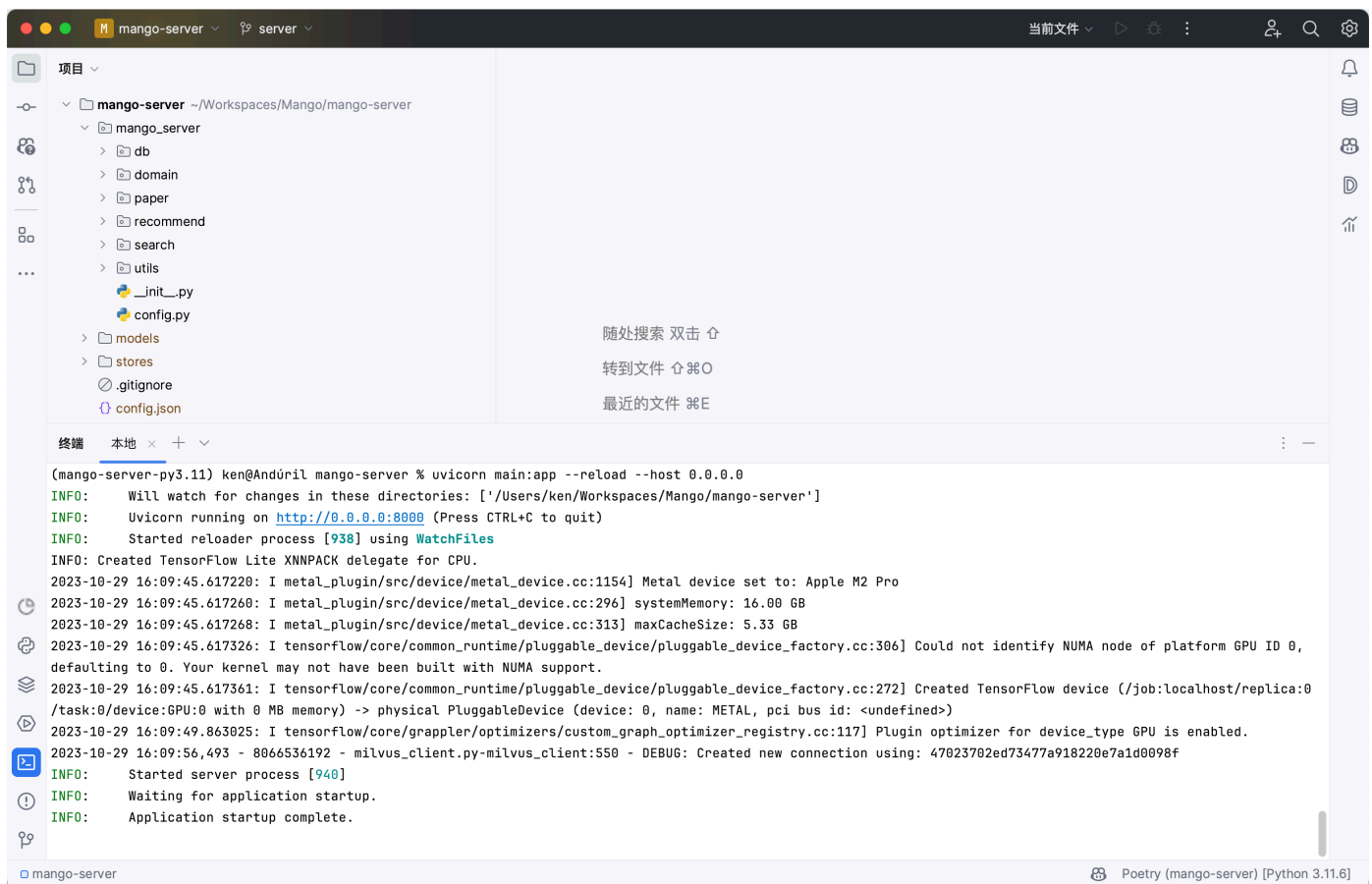
- <https://python-poetry.org/docs/#installing-with-the-official-installer>

Then run the command to install dependencies and setup Mango backend server -

```
# Install dependencies
poetry install

# Setup mango server
uvicorn main:app --reload --host 0.0.0.0
```

Once the server has been successfully activated, you will see logs like this -



Frontend Setup

First, please install `node` or `bun` on your device.

Then go to the `Mango-web` folder install all the dependencies of the project with `npm install .` or `bun install .`. Once installed all the dependencies, run the command to setup mango Web server for the UI -

```
# If using npm
```

```

npm run dev

# If using bun
bun --bun run dev

# ken@Andúril Mango-Web % bun --bun run dev
$ vite dev
▲ [WARNING] Cannot find base config file "./.svelte-
kit/tsconfig.json" [tsconfig.json]

    tsconfig.json:2:12:
      2 |     "extends": "./.svelte-kit/tsconfig.json",
        |               ~~~~~

```

Forced re-optimization of dependencies

```

VITE v4.4.11  ready in 843 ms

→ Local:   http://localhost:5173/
→ Network: use --host to expose
→ press h to show help

```

Then, open the local url in your browser, you will see the UI shown below and you are good to go!

