



One Piece Application User Manual
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System Requirements

Software Needed

- Python 3.x
- PostgreSQL (database software)
- Visual Studio Code (Text editor)
- pgAdmin 4 (GUI for PostgreSQL)
- Kivy (Python GUI library)
- Tkinter (Python GUI library)
- Psycopg2 (Python Database Connector library)

Hardware Requirements

- A computer running Windows, macOS, or Linux.



This is your transponder snail



Deployment Instructions

1. Install Required Software

1. Visual Studio Code:

- Download from the [official Visual Studio Code website](#).
 1. Depending on your operating system, the instructions will guide you.
 2. Follow the installation wizard and when once installed, you may familiarize yourself with settings and keybinds and download whichever extensions you prefer.
 3. Once completed, on Visual Studio Code you want to open the folder, top left of the window under File. Then select the proper working directory preferred.

2. Python 3.x:

- Download from the [official Python website](#).
 1. Depending on your operating system, the instructions will guide you.
- Once installed, open your command prompt by following the keybind for the OS you are using, and input “pip install [library name]” for each library listed above.

3. PostgreSQL:

- Download from the [official PostgreSQL website](#).
- Select your operating system and follow the instructions for that OS.
- Follow the installation wizard and be sure to check the box for pgAdmin to install it along with PostgreSQL.
- It will ask for a **password**, set that and keep the port 5432.
- Then, keep the Locale as [Default locale], hit next to install.

4. pgAdmin 4:

- This comes bundled with PostgreSQL. Open it after installation to manage your database visually.
- In the left-hand navigation panel, right-click on “Servers” > “Register” > “Server”
- Name the database whatever you like, and hit the connection tab; input “hostname” = 172.16.37.250, “port” = 5432, “username” = app_user
- The password will come through a hashing process.
- Before you can connect, however, your IP address must be noted down for security reasons, so as to prevent malicious intent.

5. GitHub:

- On our project repository, there is a green button midway through the top of the page, then click HTTPS and then copy the link below that.
- On your Visual Studio Code, you should be navigated to your preferred working directory; through there you can open an integrated terminal and in that terminal type “git clone [https link]”.
- This will populate your directory with project files.

6. Congratulations, you have successfully deployed the project.

Application Manual

1. Layout

7. Understanding the Layout:

- The application is divided into multiple tabs along the very top, each corresponding to a different operation in the database. These tabs include:
 1. Insert/Delete
 2. Update
 3. Person Table
 4. Report
 5. DF Report.
- These tabs allow you to insert or delete a specific person, update their information, view all the people in one visual, and receive a wiki-like report. These tabs provide functionality that allows one to customize the database, update it, or learn something. You can add images or descriptions to people, destroy a group, or if you want, you can give someone else a new artifact or devil fruit. In the report tabs, all you need to do is select the person and a dropdown will provide you the name of every person in the database, including newly added people and excluding people that have been “deleted”.
- Along with our function tabs, we have tabs for our database tables. These include:
 1. Person
 2. Devil Fruit
 3. DF Eater
 4. Sword
 5. Swordsman
 6. Pirate
 7. Marine
 8. Island
 9. Group
 10. Membership
 11. Vessel
 12. Artifact
- By providing these tables to the user, one can execute queries by filling out the info boxes with preferred data. When completed, the database is updated in real-time to reflect these changes. If you want to insert or “delete” a person, that is available. If you want to hire a new marine recruit, that is available to you. This can be done by simply visiting the ideal function tab along with the ideal table you want to edit, and then you simply edit the boxes as they appear. Be careful, there are very specific constraints you must follow. Most of these boxes will provide you an example or a dropdown so you know what to expect. But otherwise, very straightforward to use and understand.