Figure1　Search page

Ellecto User Document

1 Search

You can search using free keywords with the search box(Red Frame) shown in Figure 1. Additionally, you can specify options such as language, license, and so on(Blue & Green Frame).

- Language Option

  Specify the written language or available language for the software.

- License Option

  Specify the license for the software. For example, specifying "Apache-2.0" will display only software adopting the Apache-2.0 license in the search results. You can also specify multiple licenses separated
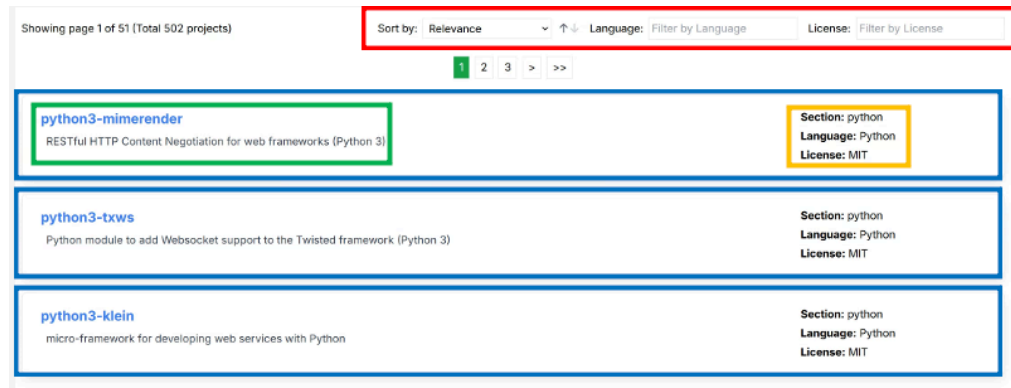
Figure2　Search Result page

by spaces for an OR search.

- Development History Option

  Specify the software's development history in years. For example, specifying "1" will display software with at least one year of development history.

- Last Update Option

  Specify the last update date in terms of years and months. For example, specifying "1 year 6 months" will display software updated within the past 1 year and 6 months.

- Dependencies Count Option

  Specify the maximum number of runtime dependencies. For example, specifying "10" will display only software with 10 or fewer runtime dependencies.

- Scoring

  Users can freely adjust the importance of each search criterion. These weights affect the display order of search results, with higher-weighted criteria appearing at the top.

2　Search Results

Search results are displayed as shown in Figure 2. The blue frame displays software information. The green frame shows the software name and a brief description of its features. The yellow frame displays general classification (Section), written language, and license. The red frame provides sorting and filtering features. Sorting can be done by relevance, name, development history, update date, or number of dependencies. The filter function allows narrowing results by specifying language and license.

3　Project Details

Detailed information about the software is displayed as shown in Figure 3.

Red Frame(Basic Information)

- Project name
- General classification
- Stars and forks on the version control system (VCS)
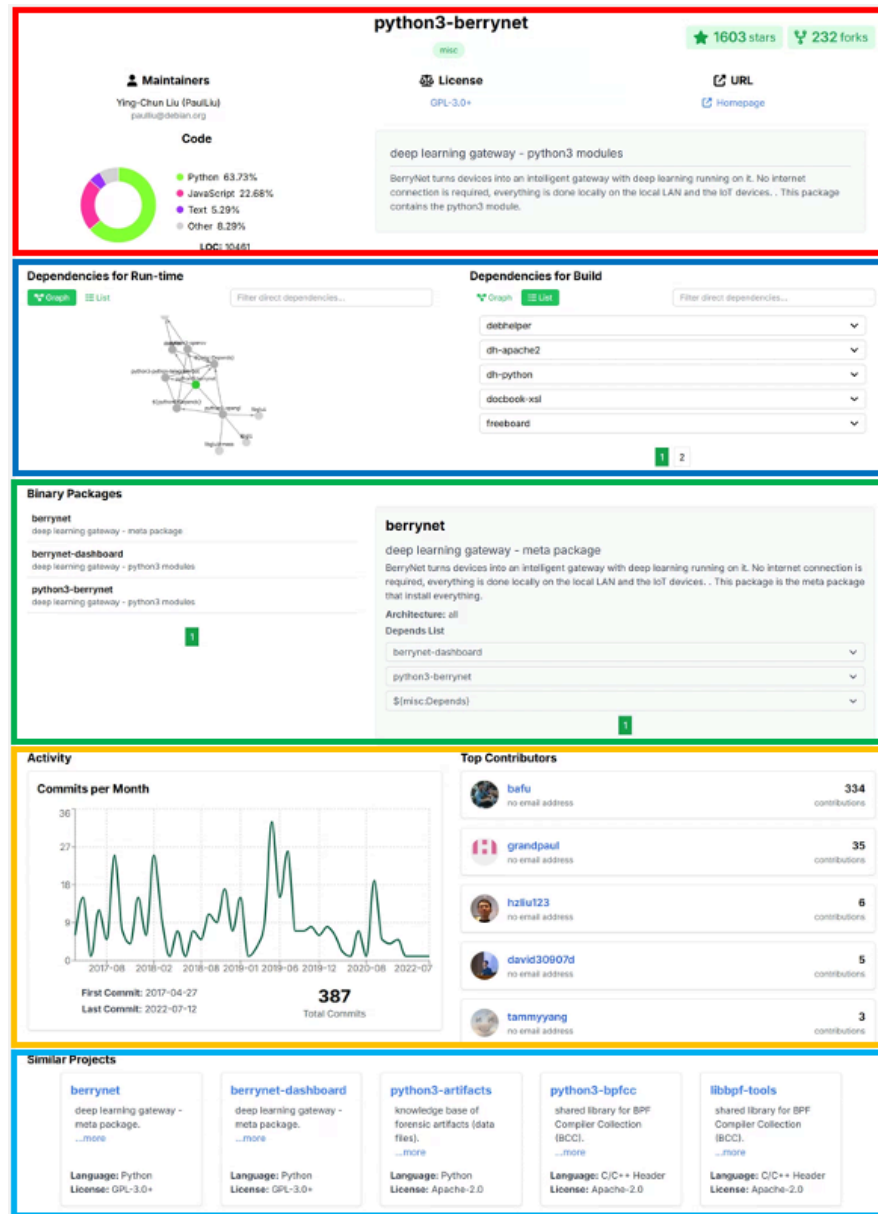- Developer information
- License details

Figure3　Project Detail page

- Various links (homepage, code repository, etc.)
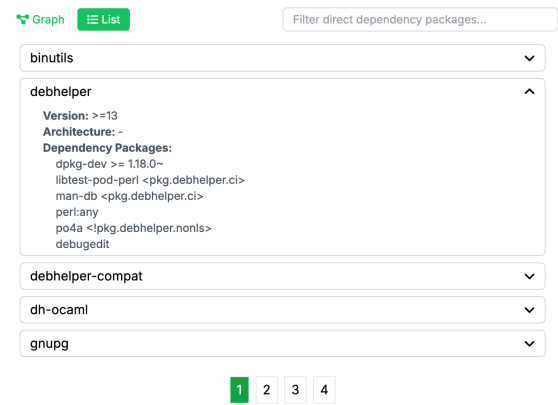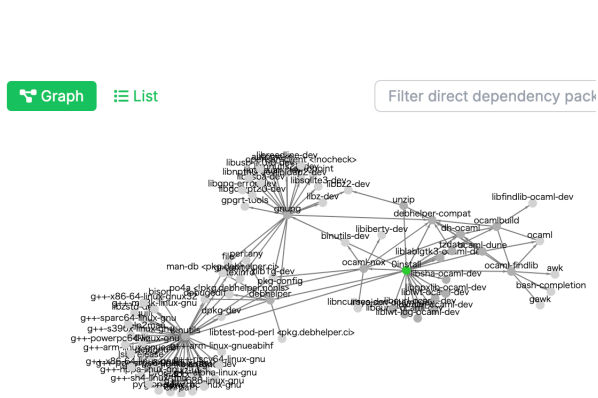- Written Programming languages
- Provided features

Blue Frame

Displays runtime dependencies on the left and build dependencies on the right. Dependencies are shown as both graphs and lists (Figures 4, 5). The filter function allows checking whether specific software is included as a direct dependency.

Green Frame

If the source package provides multiple binary packages, their information is displayed here. Selecting an item on the left will display detailed information about the selected binary package on the right.

Yellow Frame

Figure4 Dependency Graph

Figure5 Dependency List

Displays the activity status of the community. The left side shows the number of commits per month, and the right side lists the main contributors (up to 5). Commit information includes the first and latest commit dates and total commit count.

Light Blue Frame

Displays up to 5 software projects offering similar features. You can view the software name, brief description, written language, and license.