

PDS Data Optimization User Manual

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Introduction

This application efficiently identifies and catalogs terms in PDF documents, scanning around 500 publicly available PDF files from the City of Vancouver website for user-defined terms and related terms. It then outputs an Excel file containing detailed information about each occurrence, including document titles, section numbers, and reference paragraphs. Moreover, it proposes updates to documents based on user-defined prompts, processing amendments with suggested updates. Additionally, the application extracts and organizes data from PDF documents for database integration, fetching selected files, and allowing users to define data fields.

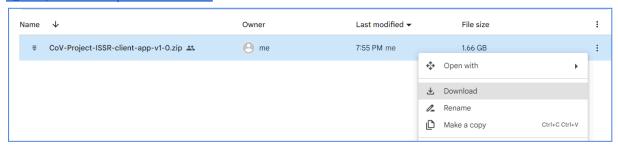
System Requirements

Operating System	Windows
Web Browser	Google Chrome, Mozilla Firefox, Microsoft Edge

Installation

Download

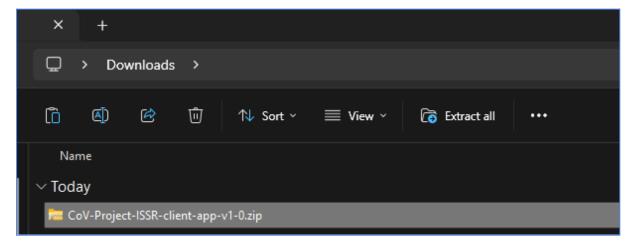
 User can download the application zip file from our Google Drive with following link (may change after 31 May 2024): https://drive.google.com/file/d/1Jg_SKR_NK9GSSHa2GEgOKNTvWXn4 ORkr/view?usp=drive_link



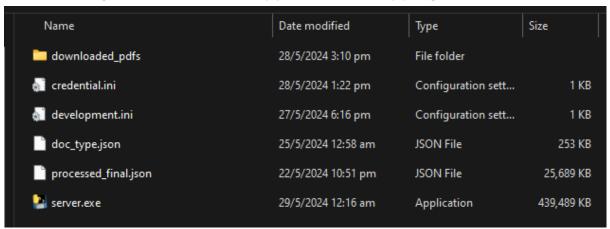
Note: The file is approximately 1.7 GB and may take up to 5-10 minutes to download.

Setup

2. Unzip the CoV-Project-ISSR-client-app-v(x).zip file in any non-restricted folder.



3. The following list of files should appear after unzipping.



Start Application

- 4. Double-click the server.exe file to start the application. A window will open.
- 5. After 3-5 minutes, the following screen will show. Indicating the application is ready to access.

```
* Serving Flask app 'server'

* Debug mode: on

**WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on http://127.8.8.1:8808

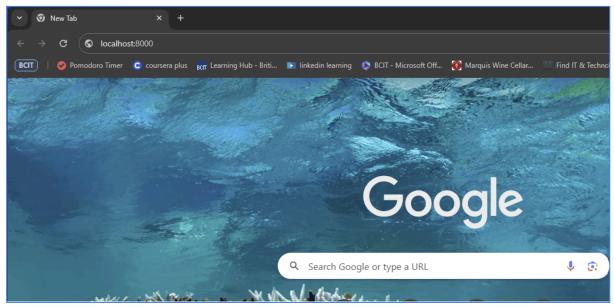
Press CTRL+C to quit

* Restarting with stat

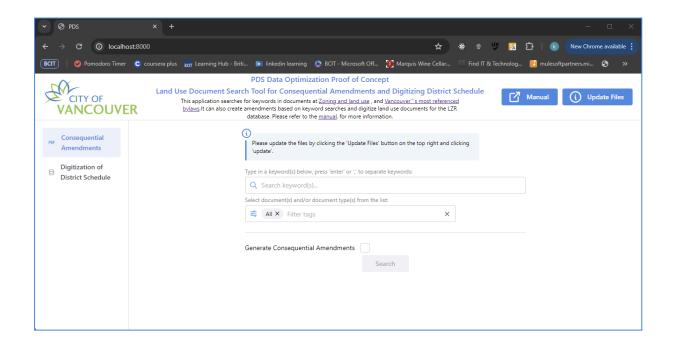
* Debugger is active!

* Debugger PIN: 180-185-503
```

6. From any browser, type localhost:8000 or 127.0.0.1:8000 and press Enter to access the application.



7. When you see the screen below, the application has successfully started.



Note: Do not close the black screen application Windows until you decide to exit the application

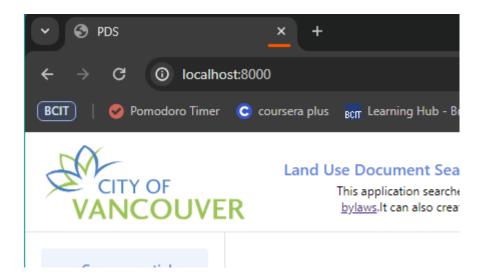
Exit Application

1. Click the close button (X) on the top right-handed corner to terminate the program. The application is now completely stopped.

```
**Running on http://127.0.0.1:8000
**Press CTRL+C to quit*

**Restarting with stat
**Debugger is active!
**Debugger PIN: 180-185-503
**[2024-05-29 00:33:06, 263] INFO in server: A request is received for loading home page
**127.0.0.1 - [29/May/2024 00:38:06] "GET / HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/css/c196650da8e3275d.css HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/css/c196650da8e3275d.css HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/css/c196650da8e3275d.css HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/css/c196650da8e3275d.css HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/chunks/sdeplace-d9lace-ff68de66.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/chunks/sdeplace-d9lace-ff68de66.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/chunks/sdeplace-d9lace-ff68de66.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:06] "GET / static/chunks/sdeplace-d9lace-ff68de66.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/sdeplace-d9lace-ff68de66.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/sdeplace-d9lace-ff68de65.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/sdeplace-d9lace-ff68de180-js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/987-840aca-d9lace-d9lace-ff68de180-js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/34p/Jage-3217232e0e015c91a.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/34p/Jage-3217232e0e015c91a.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/34p/Jage-3217232e0e015c91a.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/34p/Jage-3217232e0e015c91a.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static/chunks/34p/Jage-321732e0e015c91a.js HTTP/1.1" 200 -
**127.0.0.1 - [29/May/2024 00:38:07] "GET / static
```

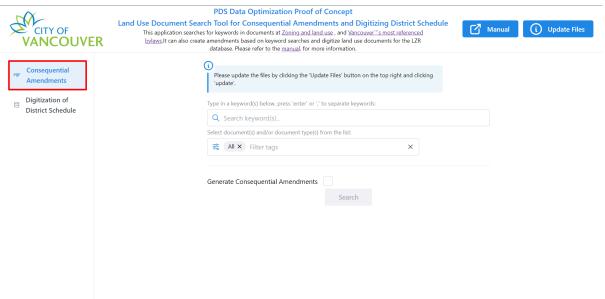
2. (Optional) Close the webpage on your Browser by clicking the (X) on the tab of the page.



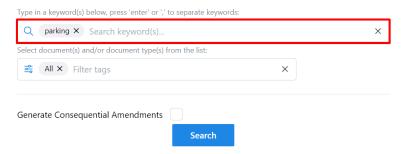
Usage

Consequential Amendments

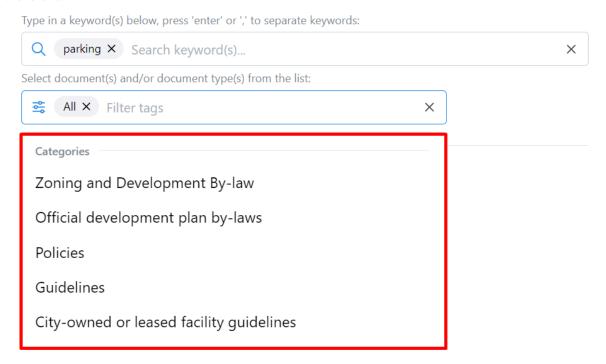
1. Click on "Consequential Amendments" on the left hand navbar.



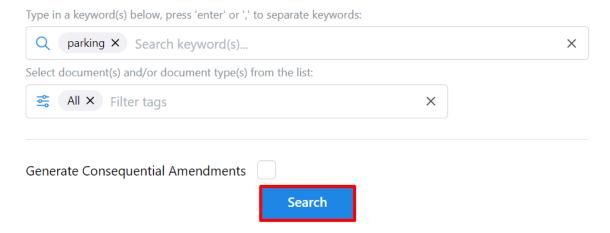
2. Enter keyword(s) into the search box by pressing "Enter", or separated by a comma.



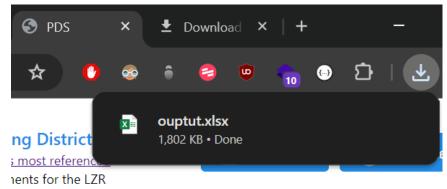
3. Select filters as needed. The application will search all documents by default.



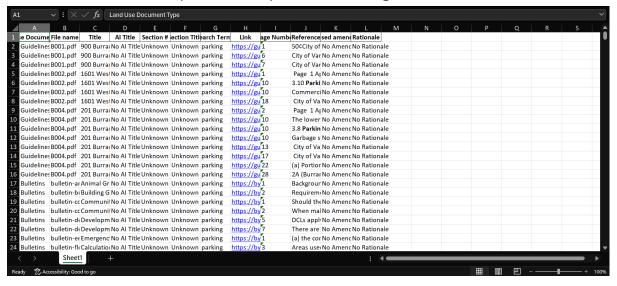
4. Click on "Search".



5. After a moment, an Excel file will be generated.

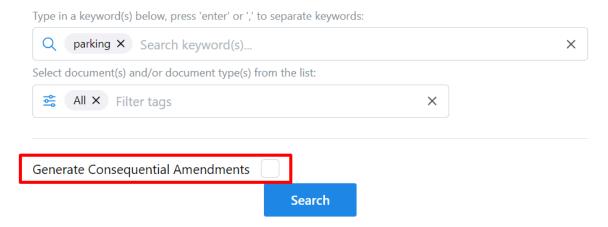


6. Below is the Excel output for the previous configurations.

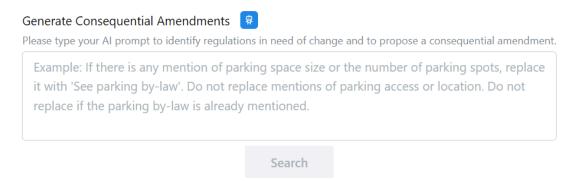


Note: For section number/title, "Unknown" indicates an error occurred, while "Not found" indicates the AI responded, but the section does not exist.

7. To generate amendments, click on the "Generate Consequential Amendments" checkbox.



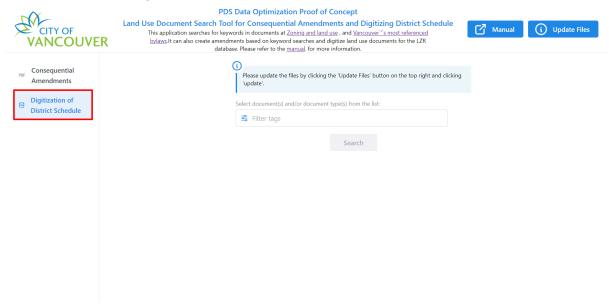
8. Enter the AI prompt for changes needed. Then, click on "Search".



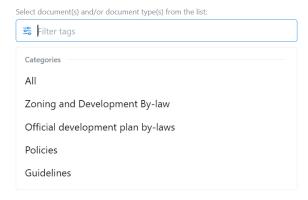
Note: For section number/title, there will be a 60 second timeout every 5 search results. For amendments, there will be a 60 second timeout every 20 search results. This is due to the free AI model limitations.

Digitization of District Schedule

1. Click on "Digitization of District Schedule" on the left hand navbar.



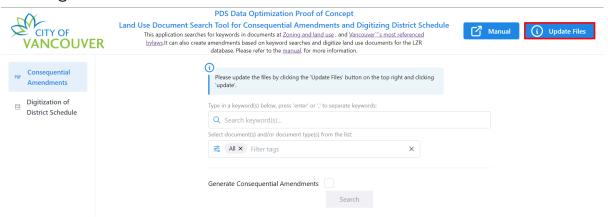
2. Apply filters as necessary, then click on "Search".



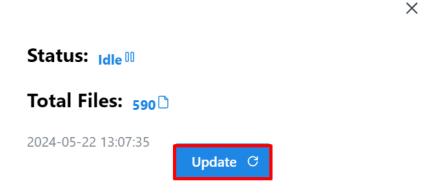
3. (excel output)

Update Documents

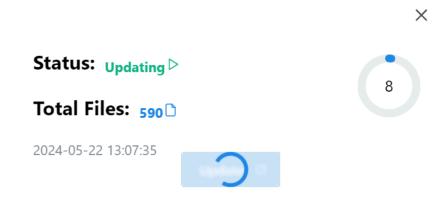
1. To update documents, click on the "Update Files" button in the top right corner.



2. A popup window will appear. Click on "Update".



3. The same popup window will show the update progress.



4.