



Team: AprilFour

COS 301

Capstone Project

University of Pretoria

GDPR DATA DETECTION



Paul Nhlapo	u18108378
Nevin Thomas	u20435216
Yudi Govender	u22552121
Yeshlen Moodley	u17281904
Dhinaz Rangasamy	u21598012



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1. Overview of what the app is about.

GND is an app that is here to save you time and money when it comes to being compliant with General Data Protection by making it easy for you and your company to detect any GDPR violation in documents.

How the app works is that a user will be able to upload a document to the app so that it gets scanned, and the app will be able to detect any GDPR violations in the document. When the app is done scanning the document it will give you an analysis report of how many violations does the document contain.

The app uses cutting edge machine learning processes to be able to detect all the unwanted GDPR violations in a document.

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How to download and install the GND Desktop Application

Step 1: Click on the link to download the GND application Installer.

[https://drive.google.com/file/d/1WV0WCWq1VSLAgREVHJ523\[zclZXMwBnW/view?usp=sharing](https://drive.google.com/file/d/1WV0WCWq1VSLAgREVHJ523[zclZXMwBnW/view?usp=sharing)

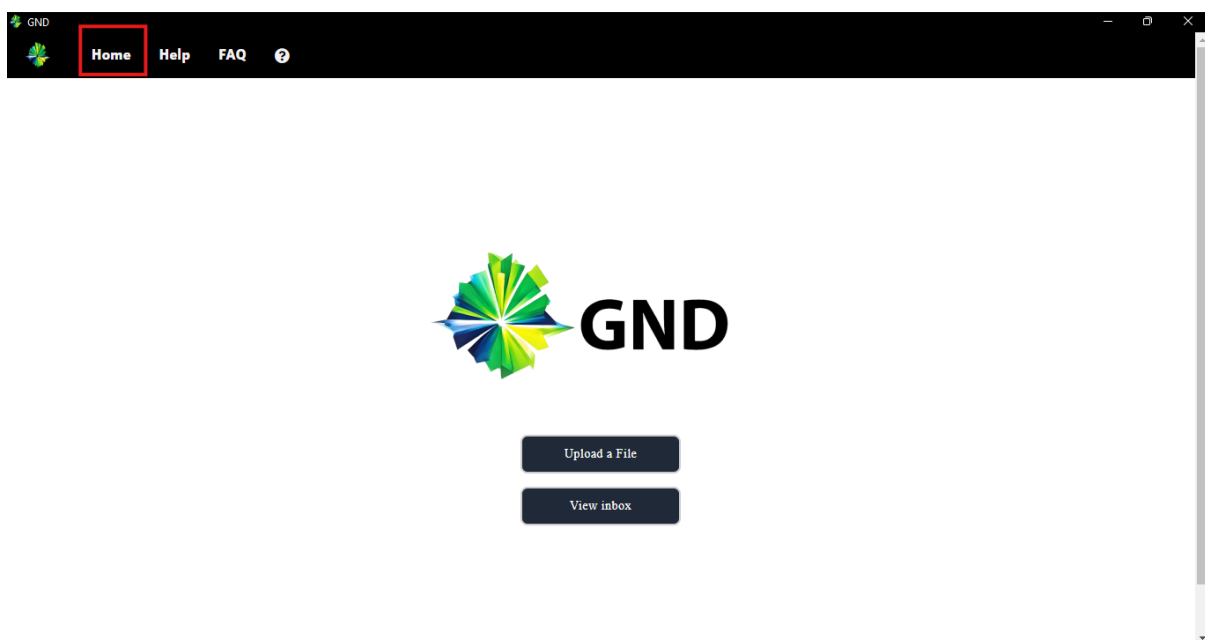
Step 2: Follow the instructions in the installation wizard to install the application on your computer.

Step 3: After the application is installed, you will need to restart your computer.

Step 4: After your computer has restarted, you will receive a notification, indicating that the GND server has started, and you will be able to use the application.

2. Home page

When the user is on the home page of the app, they will be faced with a very simplistic easy to use interface that is straight forward with less clutter to distract the user from the main objective

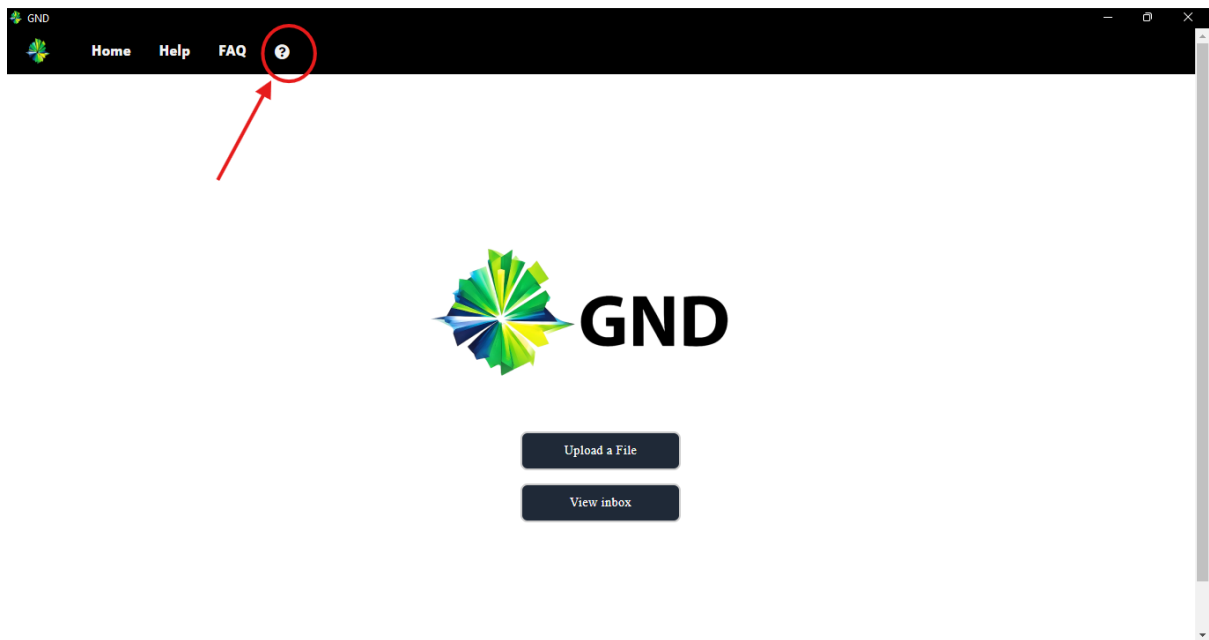


2.1 App Walkthrough

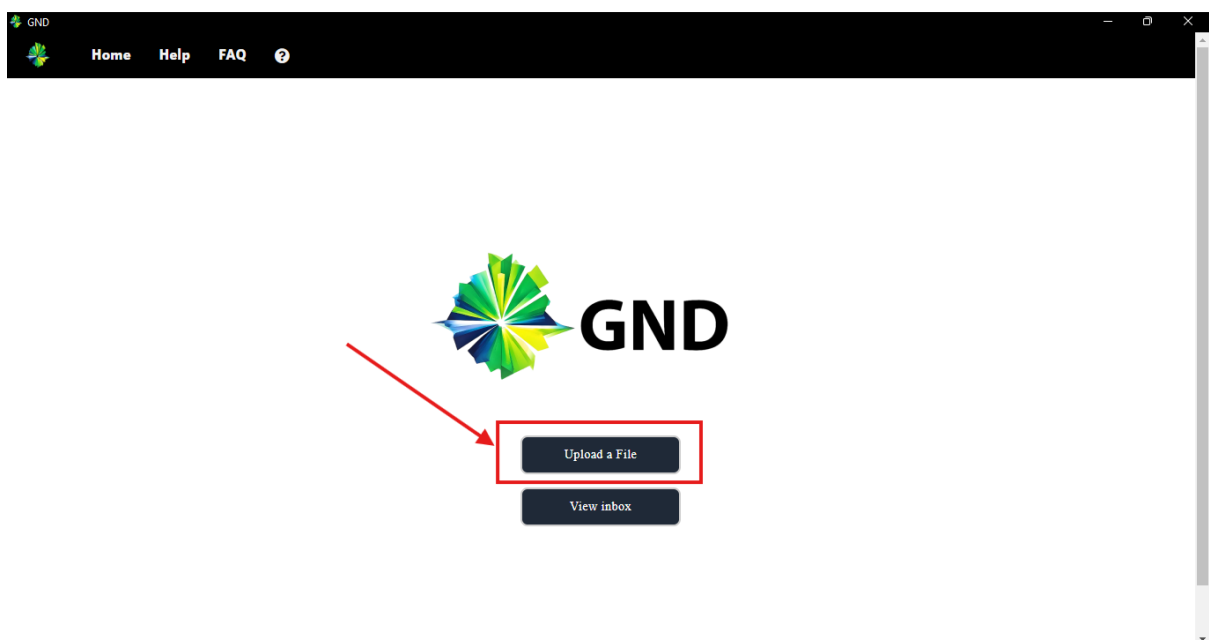
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When you are on the home page, when you click the question mark icon on the top navbar, it will walk you through what each button does or where each button takes you if you click it.

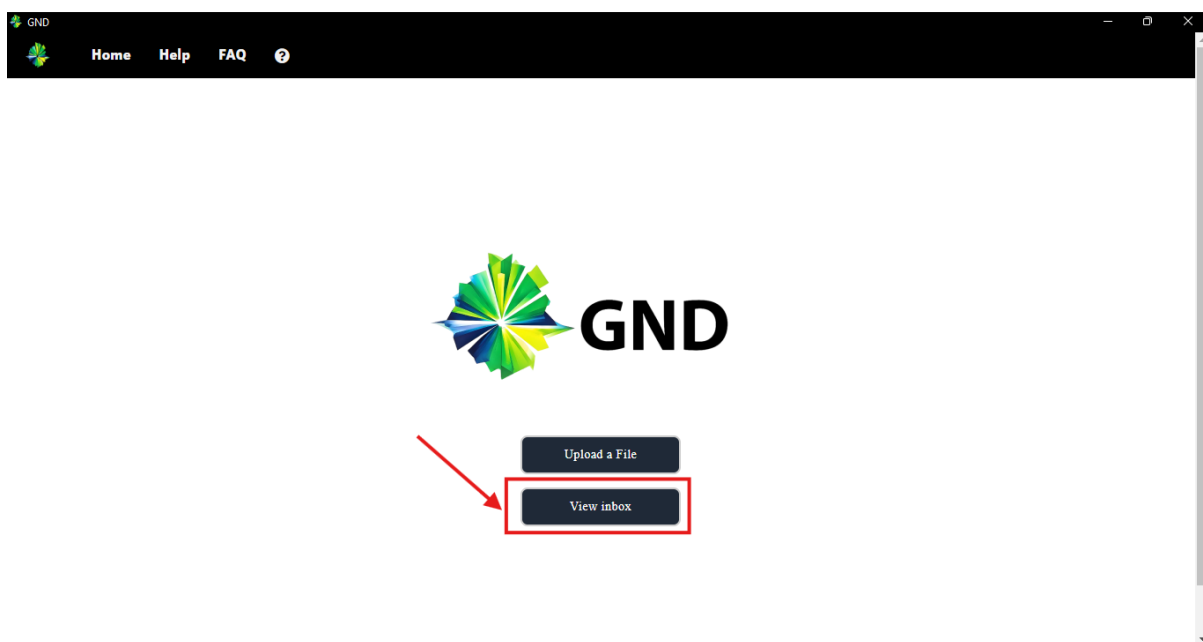


After clicking the icon, a walkthrough pop will show that will lead you to the buttons and explain how they work. The first button is the upload a file button.





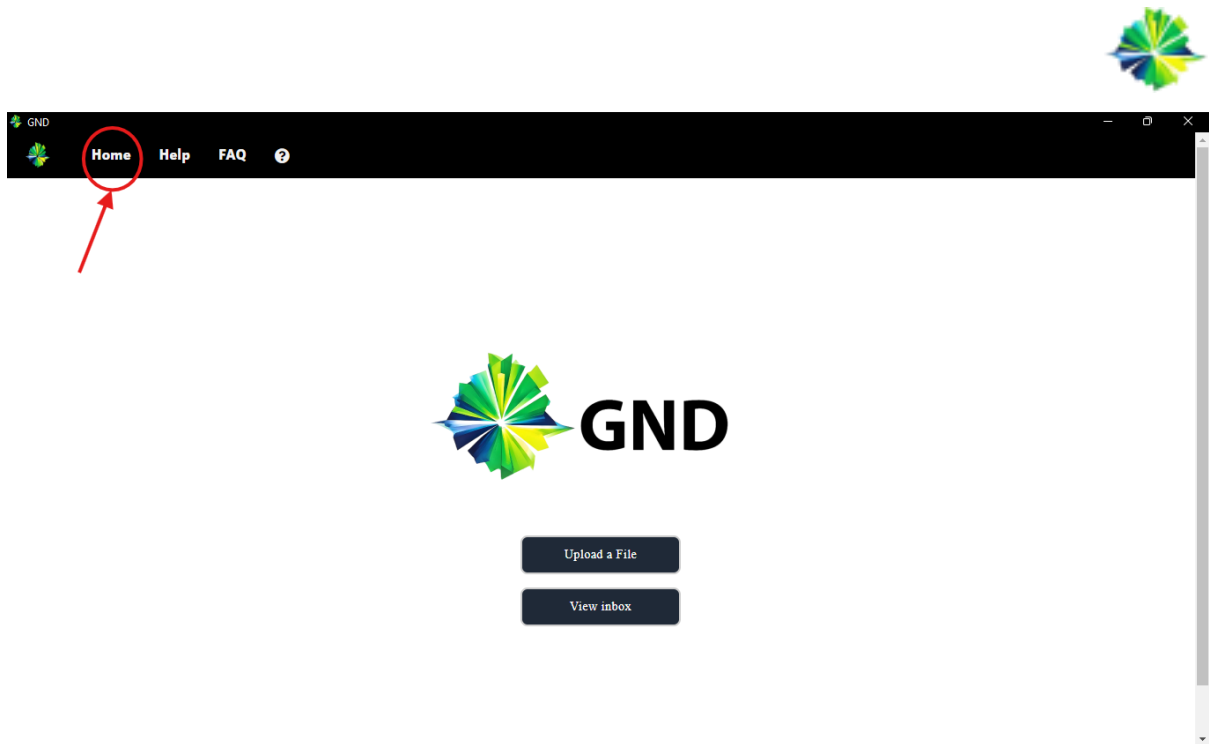
When you click on the next button. It will now go on to explain the View inbox button what it does. Then now there will be a done button instead of a next button.



Now you since you know what each button does. You will click on the upload button. The upload button will take you to the upload page.

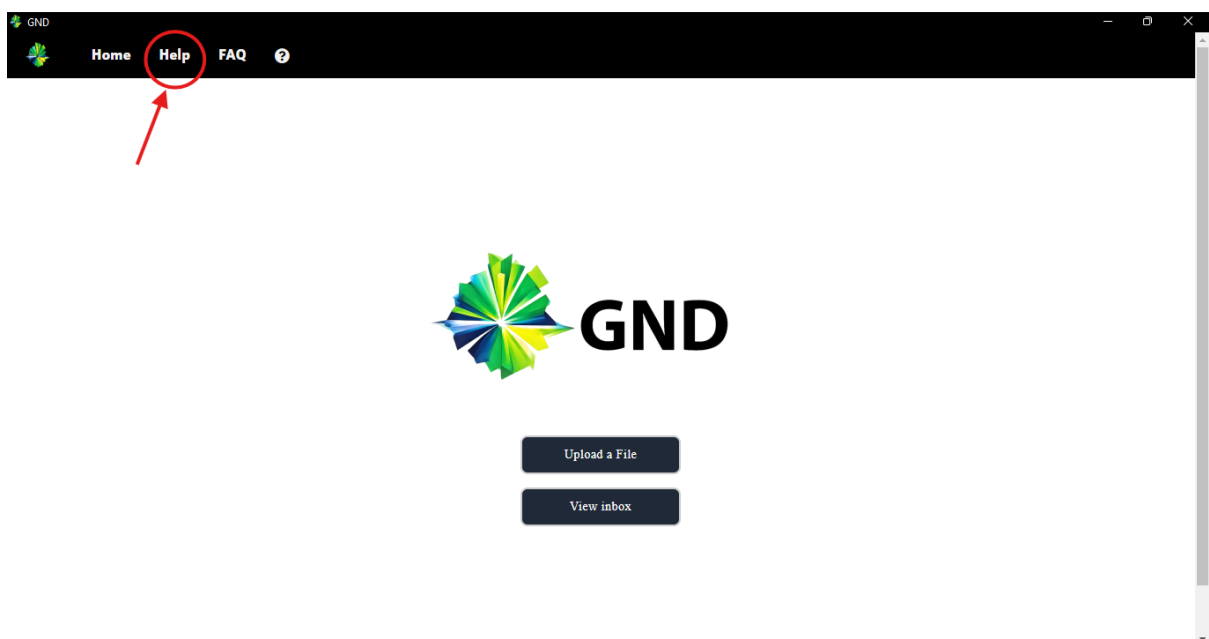
2.2 Navigations

Now let's see how the navigation bar works and where the other buttons lead. We will start with the 'Home' button on the navigation bar. This button, if you are already on the home page it will not do anything. But as soon as you leave the home page when you click the button it will navigate you to the home page.



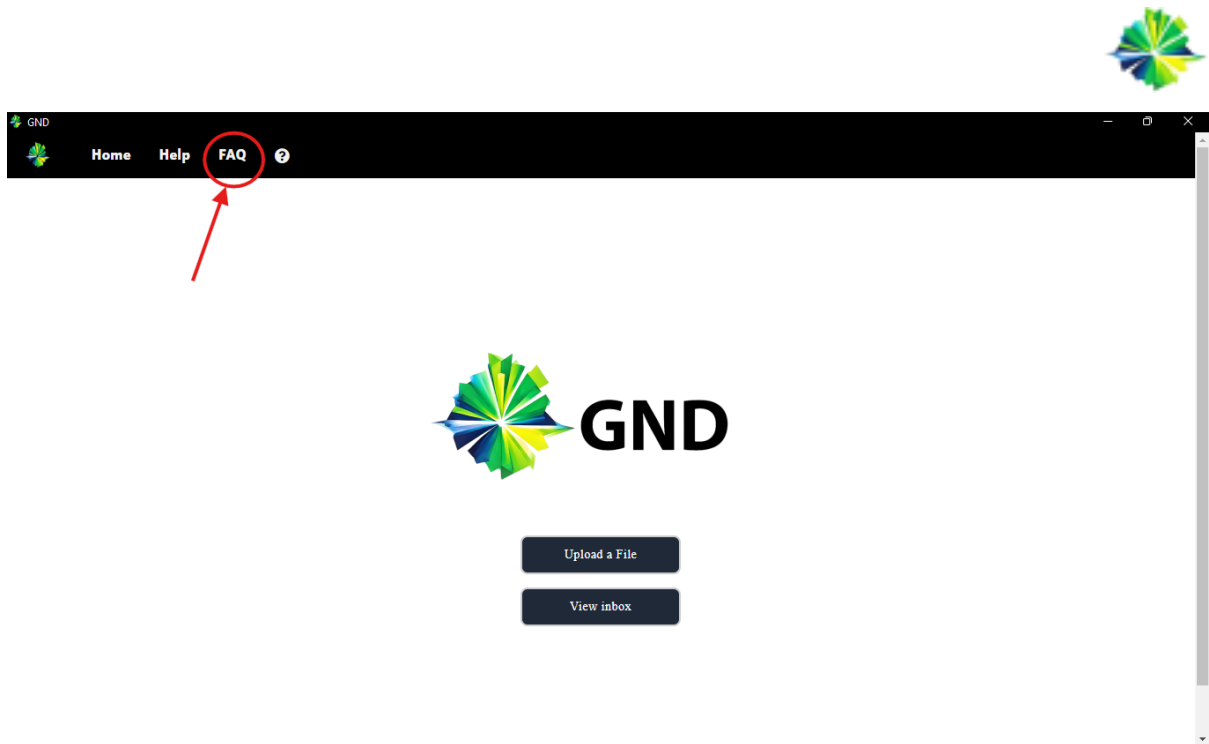
2.2.1 Help page

When you click the button 'Help' on the navigation bar it will take you to the help page where you will be able to see how the app works with guided steps of how to upload a document. You also be able to see how the inbox page works if you were to click the inbox.



2.2.2 FAQ page

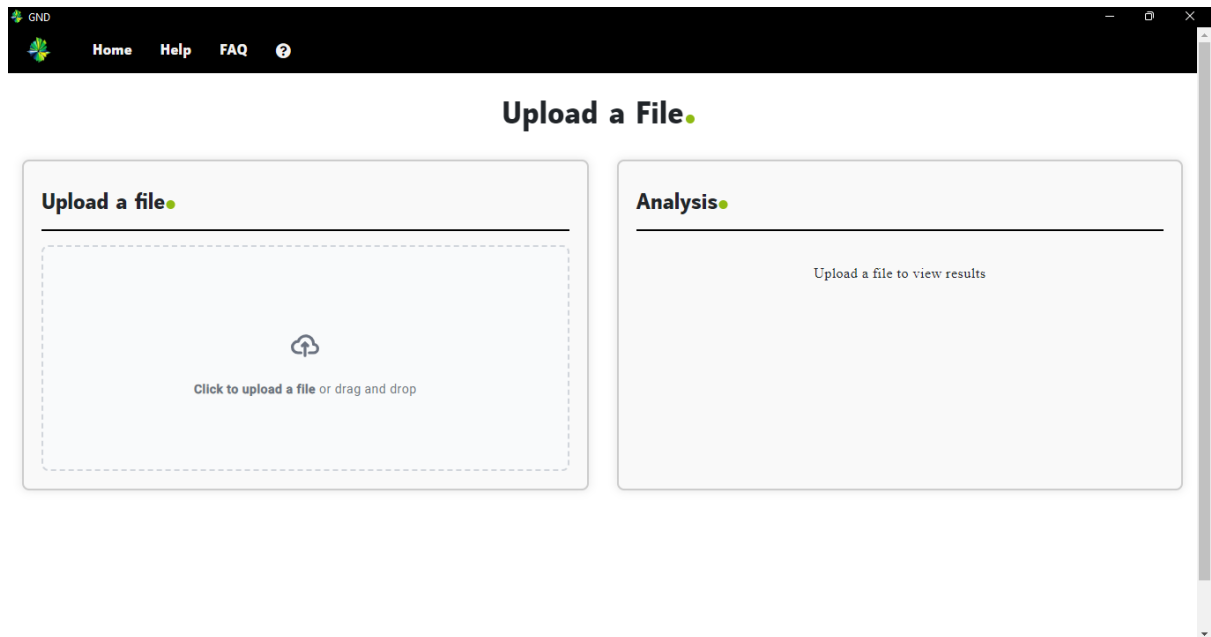
On this page you will see how what are the frequently asked questions that you might also have.



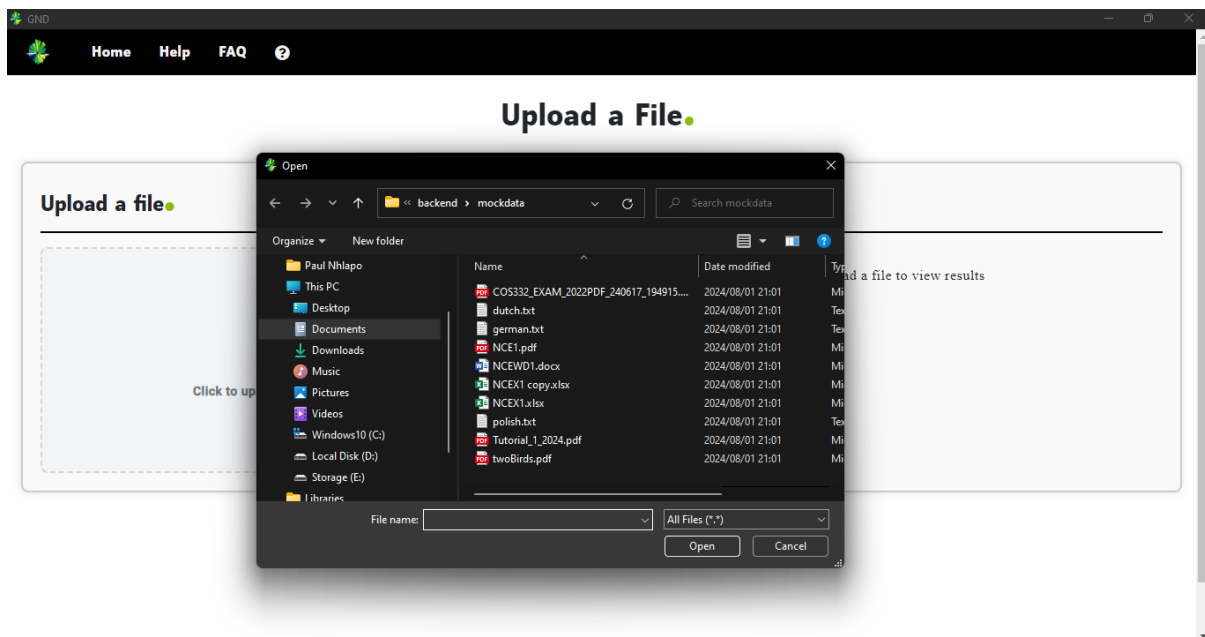
3 . The Upload page



To upload a document, you must click the upload a file button then it will take you to the page where you can upload a document and be able to see the generated report of the document after it has been uploaded and scanned.



When you are here you will now have to click on the right pane where it says “Click here to upload a file” then you a new window will open that will enable you to choose a file you want to upload, from your file explore.



Now you can select a file you want to upload and check for any violations on it and then click on the Open button. The selected file will then be uploaded and scanned for any violations and a report will be generated.

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[Home](#) [Help](#) [FAQ](#) [?](#)

Upload a File.

Upload a file.

Click to upload a file or drag and drop

Analysis.

Analysis Result:

Document potentially references 3 different individuals

Most probable countries of origin:
Predominant Language of Country of Origin: English,
Probability: 0.9999948757493784

Violation Report:
Category: General Personal Data
Total per category: 33

Category: Genetic Data
Total per category: 0

Category: Biometric Data
Total per category: 0

Report has been generated on the Analysis pane where you can see how many violations the document has and at the bottom of the analysis result you can see if the document contained any consent or not.

[Home](#) [Help](#) [FAQ](#) [?](#)

Total per category: 33

Category: Genetic Data
Total per category: 0

Category: Biometric Data
Total per category: 0

Category: Data relating to Health
Total per category: 0

Category: Data revealing Racial and Ethnic Origin
Total per category: 0

Category: Political Opinions
Total per category: 0

Category: Religious or Ideological Convictions
Total per category: 0

Category: Occupational Information
Total per category: 0

The document does appear to contain data consent agreements

4 . The Inbox page

Let's go to the inbox page. The inbox page monitors all the attachments sent to your email address via Microsoft Outlook. If you receive any email with attachments, you will be able to see the attachments in the inbox page. You will also be able to click on any document in the inbox monitor and be able to see a report on that document.

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Inbox .

Inbox .	Analysis .
	Please select a file to view analysis results

5 . The FAQ page

Here you will be able to see what other user's have had questions about and you will be able to learn more about General Data Protection Regulation rules and laws. This will help you to know what kind of violations the application is flagging as violations. You will also get to read about what the GND application aims to address when it comes to solving the GDPR violations.

FAQ .

GND FAQ

If you're new to GND, this guide will help you learn more about the platform.

What is GND?

GND is a GDPR violation detection application designed to help users identify potential GDPR compliance issues in their documents. By uploading files, GND scans and detects any violations, providing detailed results to help you ensure data protection compliance.

How do I upload a file for scanning in GND?

To upload a file for scanning: 1. Open the GND app. 2. Click the "Upload" button or drag and drop your file into the designated area. 3. The app will automatically begin scanning the uploaded

GDPR FAQ

What is GDPR?

The General Data Protection Regulation (GDPR) is a regulation in EU law on data protection and privacy for all individuals within the European Union and the European Economic Area. It also addresses the transfer of personal data outside the EU and EEA areas.

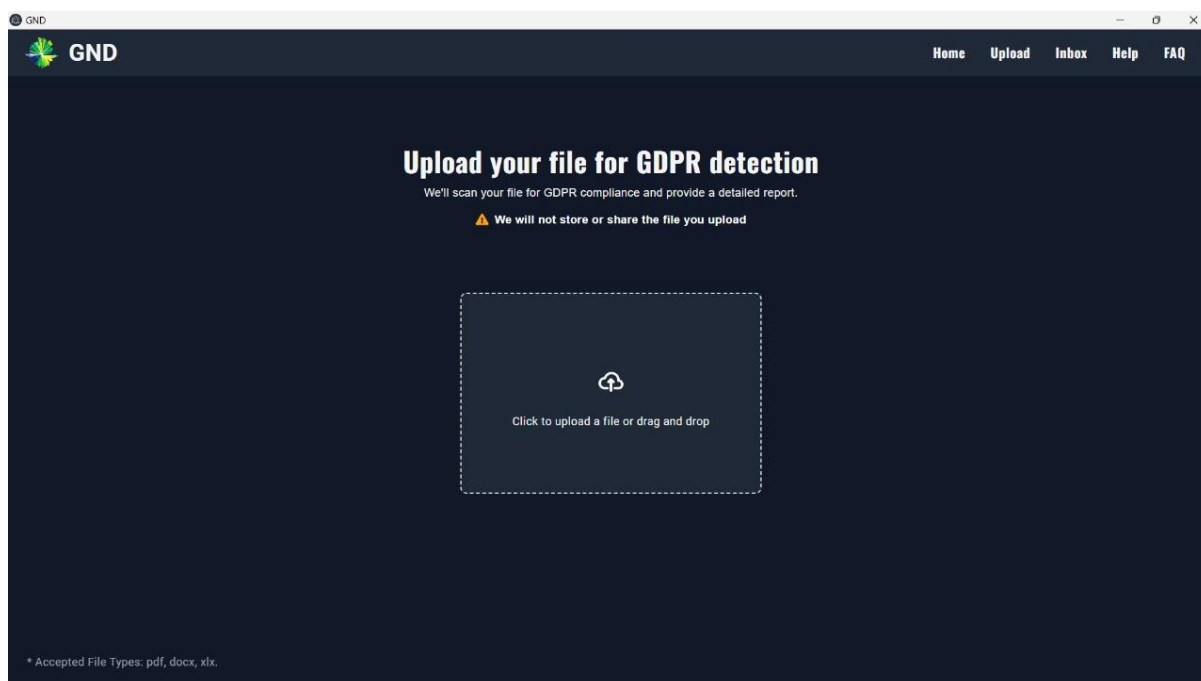
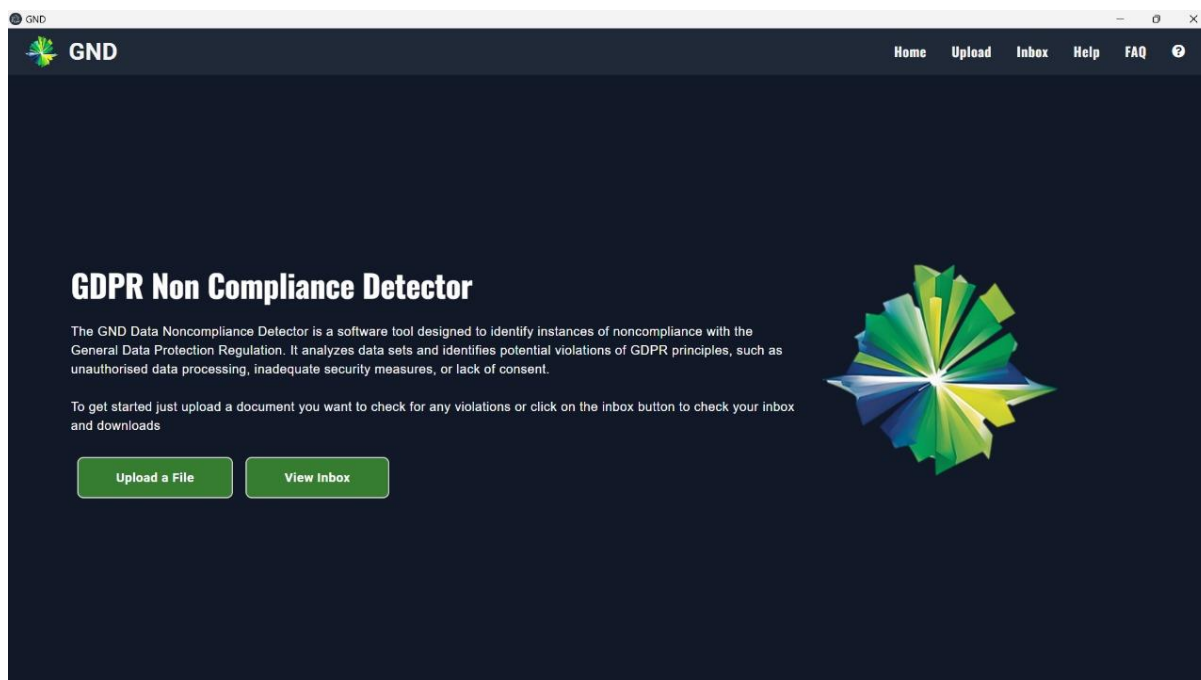
Why is GDPR important?

GDPR is important because it enhances the protection of personal data and gives individuals greater control over how their data is used. Non-compliance can result in hefty fines and damage to a company's reputation.

What constitutes a GDPR violation?



The following is the latest version of the GND Desktop application after doing User Testing.



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GND

HomeUploadInboxHelpFAQ

Download Report

Visualisations

View Violations

Upload New File

GDPR Compliance Scan

Summary

Compliance Status	Compliant	✓
Valid Consent Agreement	This document does not seem to contain any data consent agreements	
Total Issues Detected	0 issues	
Individuals Identified	0 individuals	?
Personal Data	0 issues	?
Financial Data	0 issues	?

GND

HomeUploadInboxHelpFAQ?

Download Report

Visualisations

Back To Inbox

GDPR Compliance Scan

Summary

File Name	Workplace doc (20)	
Compliance Status	Non-Compliant	⚠
Valid Consent Agreement	The document does not appear to contain any data consent agreements	
Total Issues Detected	63 issues	
Country of Origin	South Africa	
Individuals Identified	12 individuals	?

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GND

HomeUploadInboxHelpFAQ?

Inbox | Downloads

View a detailed summary of your email attachment's compliance status and possible violations detected

How It Works

- Your Outlook Mailbox is continually monitored for incoming emails
- Only emails originating from with GDPR protected countries are scanned
- Your attachments are automatically scanned and a report is generated to view at you convenience
- You will recieve an alert to notify that an attachment has been scanned and a report is available

Search reports...

	NCEX1	20:33
	Paul Resume	19:54
	genomic_data_patterns	17/10/2024
	Workplace doc (20)	29/09/2024

* This feature requires an active Outlook Classic account.

GND

HomeUploadInboxHelpFAQ?

Inbox | Downloads

View a detailed summary of your Microsoft Teams downloads' compliance status and possible violations detected

How It Works

- Your downloads folder is continually monitored for files from MS Teams
- Only files that have been downloaded from MS Teams are scanned
- These files are automatically scanned and a report is generated to view at you convenience
- You will receive an alert to notify that a file has been scanned and a report is available

Search reports...

	gdpr_consent (1) (4).txt	20:53
	gdpr_consent (1) (3).txt	20:33
	D Rangasamy ID (4).txt	18/10/2024
	D Rangasamy ID (3).txt	18/10/2024

* This feature requires an active Microsoft Teams account.

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