



Team: AprilFour

COS 301

Capstone Project

University of Pretoria

GDPR DATA DETECTION



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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.

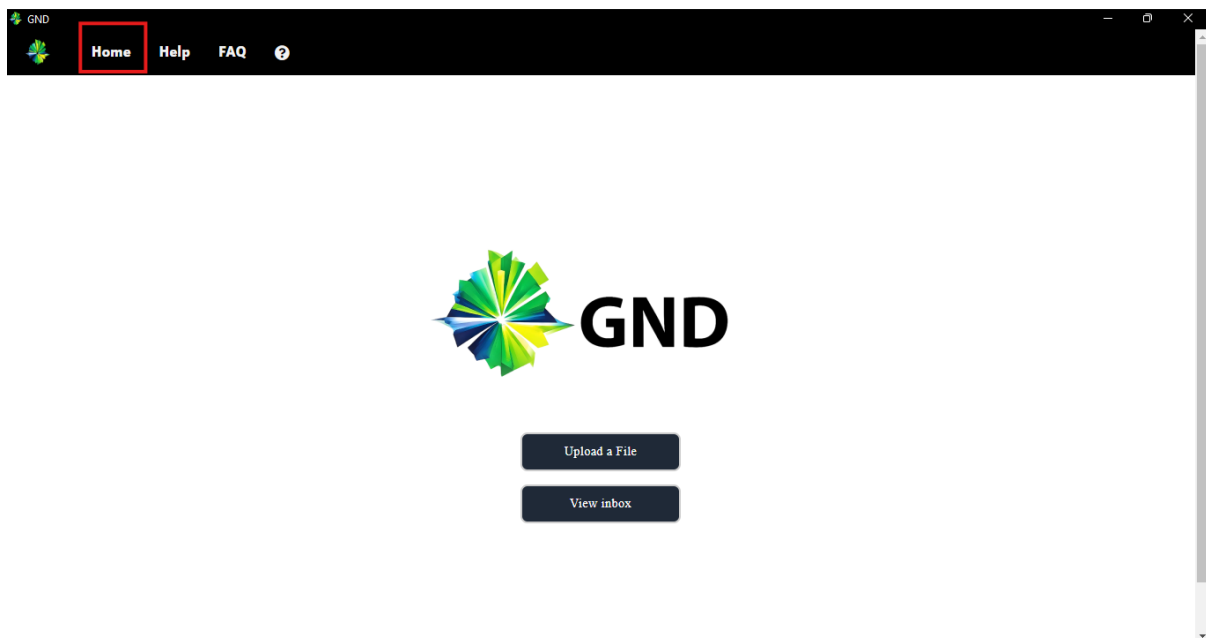
The app uses cutting edge machine learning processes to be able to detect all the unwanted GDPR violations in a document.

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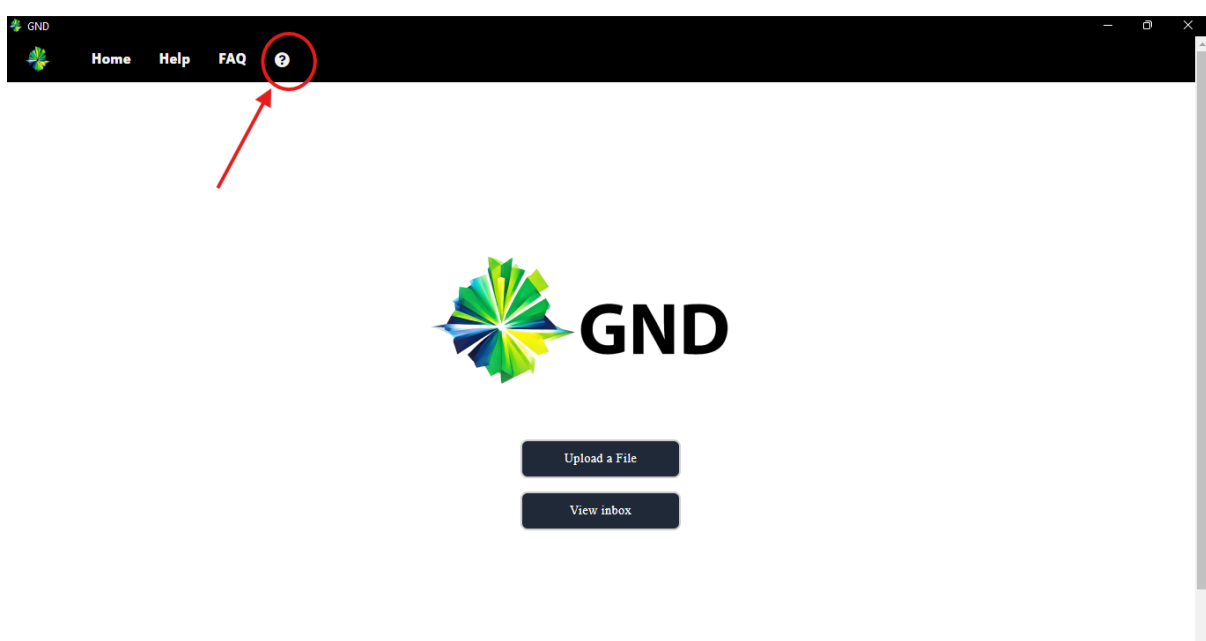
2. Home page

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

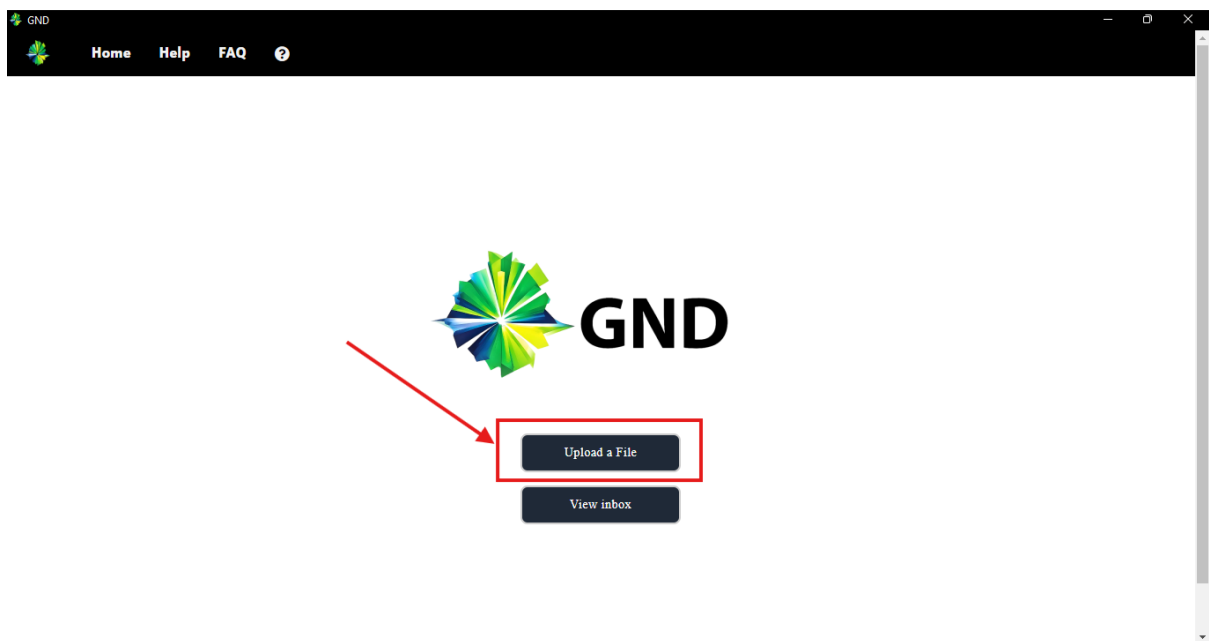
When you are on the home page, when you click the question mark icon on the top navbar, it will walk you through what each button does or where each button takes you if you click it.



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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.



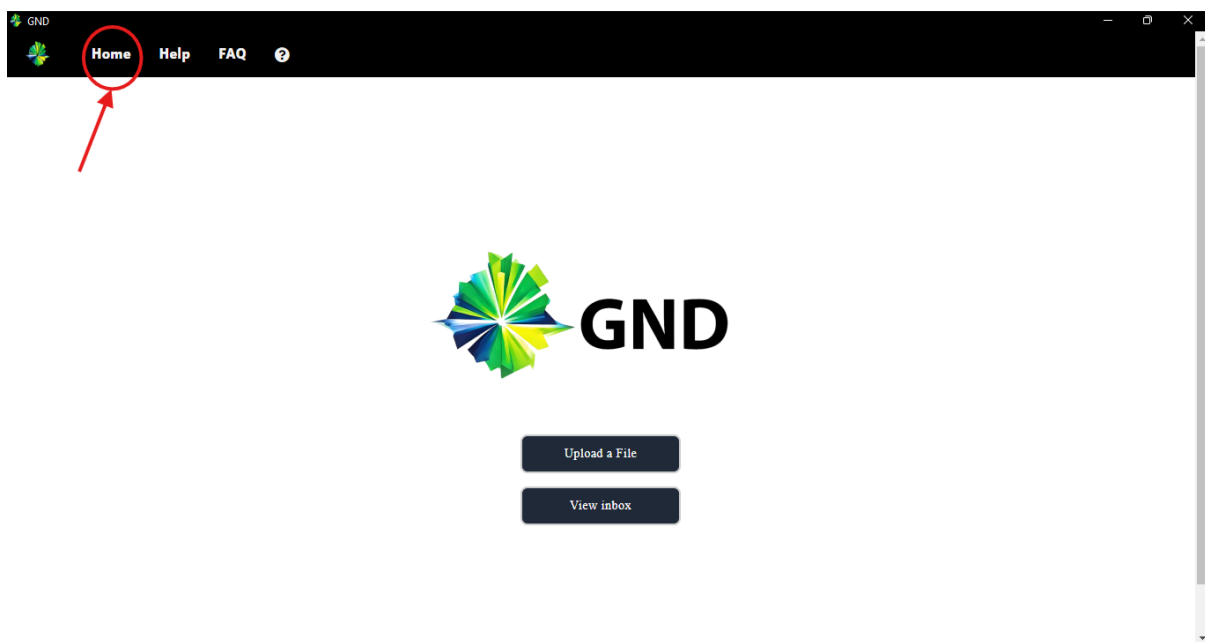
Now you since you know what each button does. You will click on the upload button. The upload button will take you to the upload page.

2.2 Navigations

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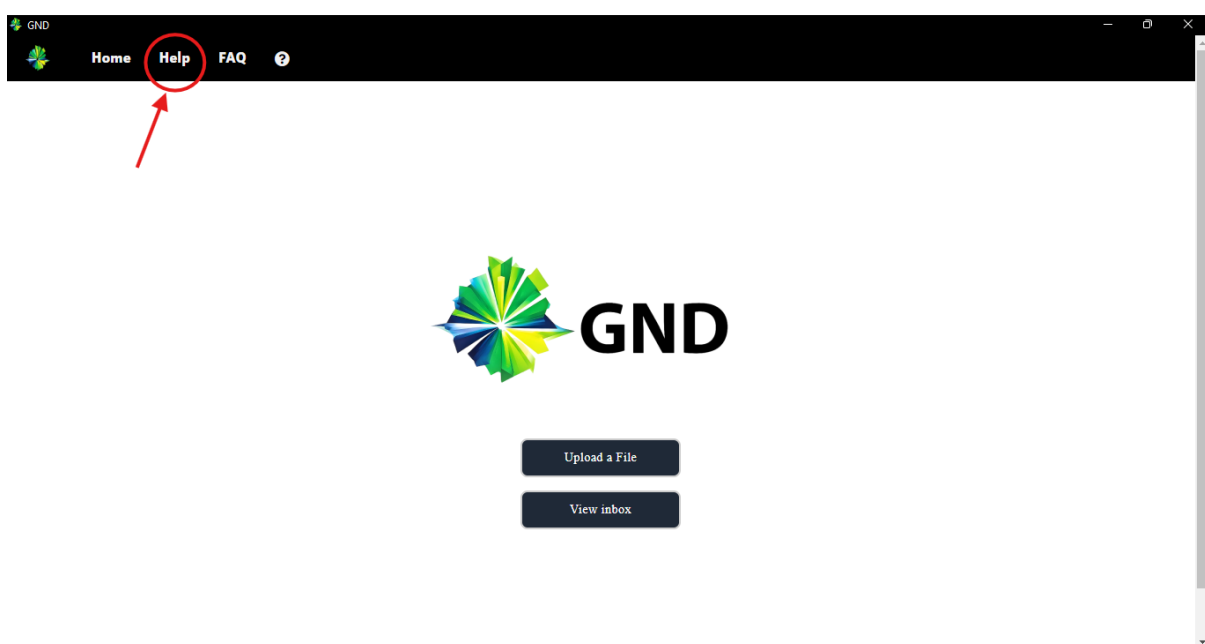


Now let's see how the navigation bar works and where the other buttons lead. We will start with the 'Home' button on the navigation bar. This button, if you are already on the home page it will not do anything. But as soon as you leave the home page when you click the button it will navigate you to the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

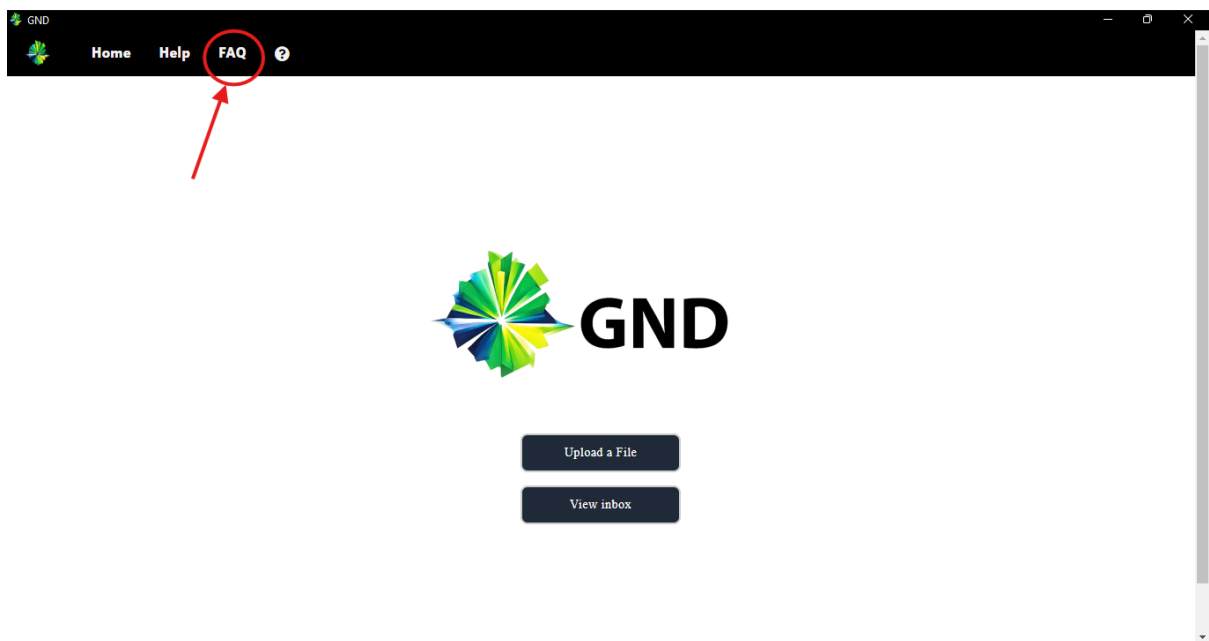


2.2.2 FAQ page

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

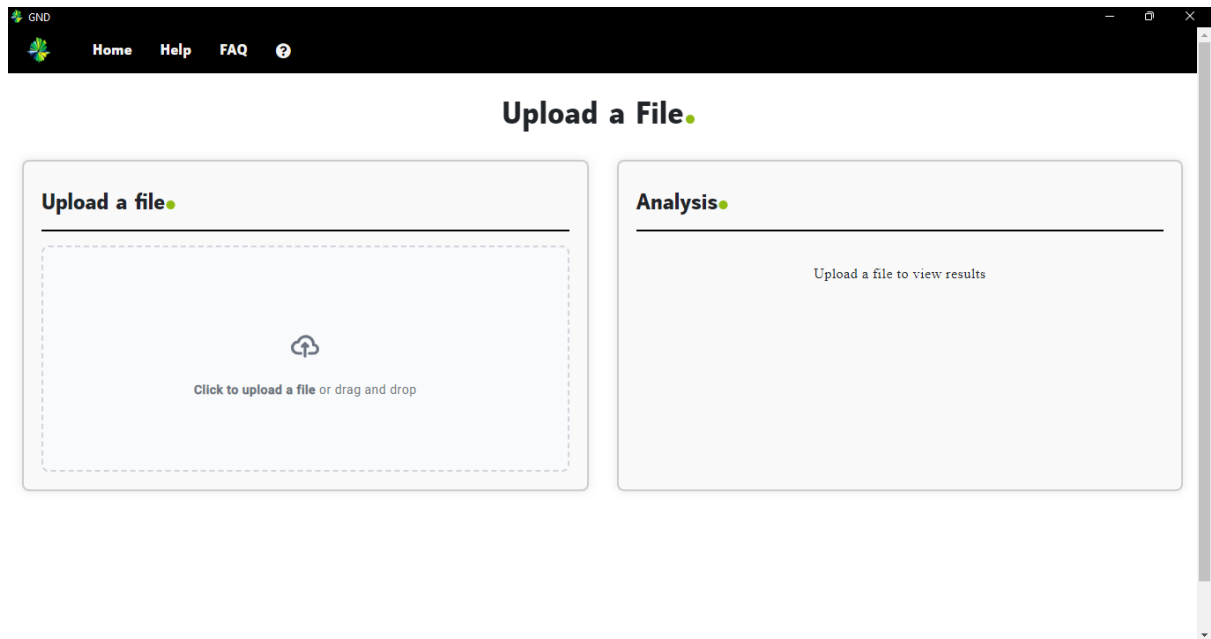


3 . The Upload page

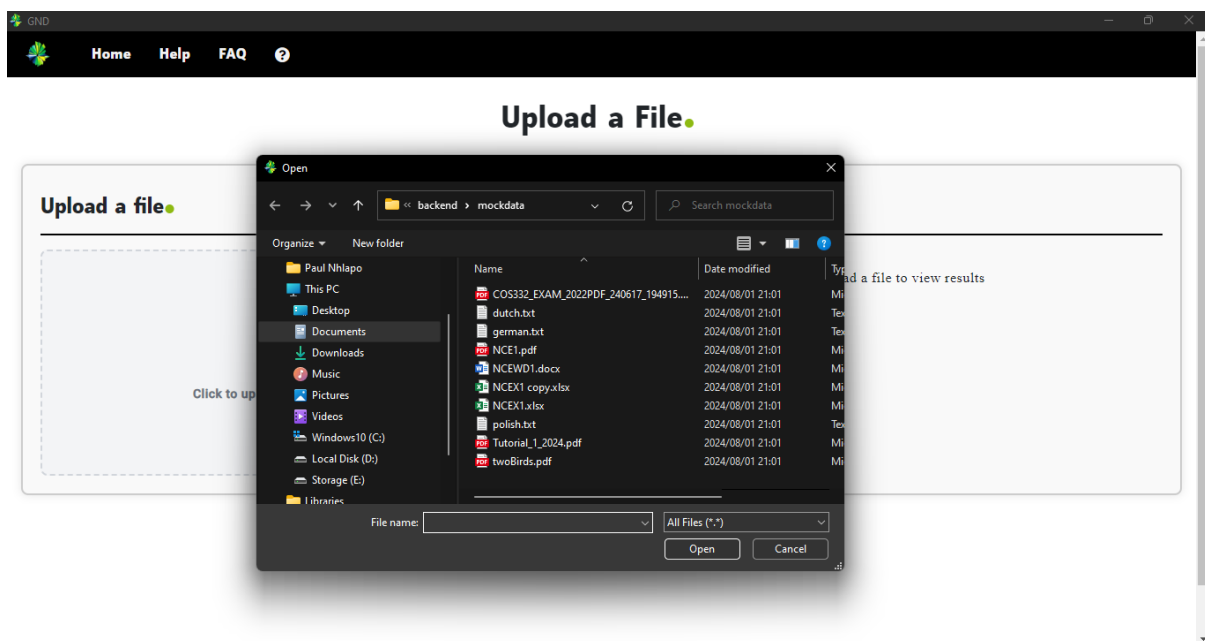


To upload a document, you must click the upload a file button then it will take you to the page where you can upload a document and be able to see the generated report of the document after it has been uploaded and scanned.

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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?



6. Installing the Application

In order to use the GND application navigate the AprilFour repository on GitHub.

Navigate to download the Download section and click on the link. This will redirect you to a Google drive where you can download two files. Download and install both files.

After installing both files you can run the GND application by opening both downloaded.