User Manual: Fraud Detection Web Application

Welcome to the Fraud Detection Web Application! This user manual will guide you through the features and functionalities of the application, enabling you to effectively detect fraud in your data using machine learning. Please follow the instructions below to get started.

Login:

a. To access the application, open your web browser and enter the URL provided by the developer.

b. On the login page, enter your credentials (username and password) provided by the developer.

c. Click on the "Login" button to proceed.

Upload Data:

a. After successful login, you will be directed to the application's main page.

b. To begin fraud detection, click on the "Upload CSV" tab.

c. Prepare your data in CSV format. Make sure your CSV files contain the following columns in the same order and data types:

No	Column Name	Type	Example
1.	uid	string	3970620e-676e-4311-a94f-07181491caa1
2.	source	string	INCOMPLETE_CS_REPORT_SCAMMER
3.	trx_date	date	26-01-23
4.	report_date	date	26-01-23
5.	registereddate	date	2021-03
6.	birthday	date	Jul-04
7.	gender	string	Male
8.	job_position	string	PELAJAR / MAHASISWA
9.	is_verified	integer	1
10.	aqc_freq_prepaid_mobile	integer	22
11.	aqc_mean_prepaid_mobile_amount	float	72285.53616

12.	aqc_freq_topup	integer	212
13.	aqc_freq_topup_within_7d	integer	11
14.	aqc_mean_topup_amount	float	2959639.526
15.	aqc_mean_topup_amount_7d	float	145324.1895
16.	aqc_mean_topup_amount_30d	float	173503.7406
17.	aqc_mean_topup_amount_90d	float	284719.4514
18.	aqc_total_topup_amount_7d	integer	116550000
19.	aqc_total_topup_amount_90d	integer	228345000
20.	aqc_freq_x2x	integer	474
21.	aqc_freq_x2x_within_60d	integer	85
22.	aqc_freq_x2x_within_90d	integer	147

23.	aqc_mean_x2x_a mount	float	4308173.192
24.	aqc_mean_x2x_a mount_7d	float	677169.5761
25.	aqc_mean_x2x_a mount_30d	float	785116.2095
26.	aqc_mean_x2x_a mount_60d	float	877911.9701
27.	aqc_mean_x2x_a mount_90d	float	1247637.905
28.	aqc_total_x2x_am ount	integer	3455154900
29.	aqc_total_x2x_am ount_7d	integer	543090000
30.	aqc_total_x2x_am ount_30d	integer	629663200
31.	aqc_total_x2x_am ount_60d	integer	704085400
32.	aqc_total_x2x_am ount_90d	integer	1000605600
33.	dormancy_max_g mt_pay_diff_days	integer	93

34.	dormancy_mean_gmt_pay_diff_days	float	0.66576087
35.	dormancy_count_trx	integer	736
36.	kyc_total_failed	integer	1
37.	kyc_total_revoked	integer	0
38.	avg_topup_weight_1	float	1.40625
39.	avg_x2x_weight_1	float	6.5989583
40.	avg_other_weight_1	float	1.2083333
41.	centrality_outdegree_p2p	float	0.0000000707
42.	centrality_indegree_p2p	float	0.000000353
43.	centrality_undirected_p2p	float	0.000000424
44.	centrality_outdegree_sendmoney	float	0.0000000653

d. Click on the bordered area and select the CSV file you want to upload.

e. Once the file is selected, you will be able to see a preview of the data. This preview will display the first 10 rows of your uploaded CSV file, allowing you to verify if the data has been loaded correctly. Take note of any issues or discrepancies before proceeding.

f. Click on the "Upload" button to start the analysis.

View Real-time Progress:

a. To monitor the progress of your fraud detection analysis, select the "History" tab.

b. The page will display a list of your previous analysis sessions, including the current one (if any).

c. The status column will show the real-time progress of each analysis session.

d. You don't need to refresh the page periodically to update the progress.
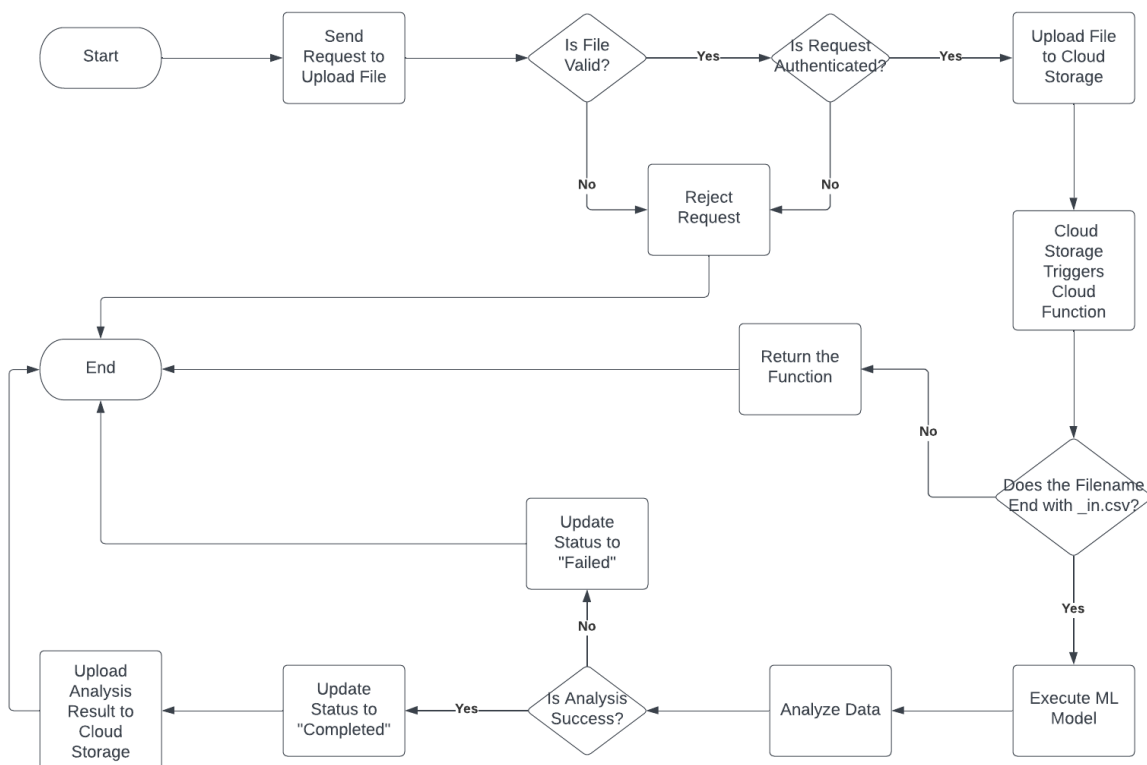
Download or Preview Results:

a. When the analysis is complete, the status column will change to "Completed".

b. To download the results, click on the "Download" button corresponding to the desired analysis session.

c. The results will be downloaded to your local device in a CSV format.

d. If you want to preview the first 10 rows of the analyzed data, click on the "Preview" button.

Delete History:

a. If you no longer need a specific analysis session in the history, you can delete it.

b. On the "History" tab, click on the "Delete" button next to the analysis session you want to remove.

Note: It is important to keep your login credentials secure and not share them with unauthorized individuals. If you encounter any issues or have further questions, please contact the developer for assistance.

Flowchart:

Congratulations! You are now ready to utilize the Fraud Detection Web Application to detect fraud in your data effectively.