**Sequence diagram**

User

Website Validation

Phishing website

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Display validation result

Get validation result

Return validation result

Validate phishing website

Check Phishing website

**Class diagram**

**Check website**

**Phishing website**

**User**

- Validation Id

- Validator

- Validation result

- Validation date

**Website validation**

- Website Id

- Phishing database

- URL

- Website Id

- URL

- IP address

- Date created

- User Id

- Username

- Password

**Use Case diagram**

User

User Interface

Safety percentage

URL

ML model

Phishing website

Phishing database

**State Machine diagram**

Start

continue

Checking

Website

Safety percentage

yes

yes

if

if

Phishing confirmed

Phishing not detected

Phishing detected

Safety percentage

End

**Deployment model**

**Data Collection Tasks**

6

Source : report

5 Report

Is\_phishing\_url: True/false

4

**Web Browser Extension**

3

2

**Files**

File storage service

**AI**

**Website**

Prediction API for Checking URL

Data statistic report

Trained model versions

Report

User

After Trained, dump model as a file

KNN

Logistic Regression

Random Forest

**Classifier**

Configuration

1

**Extenal\_id:12345**

**Source: phish storm**

**Label:1(phishing)/0(legitimate)**

[**Url: https://www.google.com**](Url:%20https://www.google.com)

URLs

Kaggle

ISCX 2016

Phish Tank

Phish storm