WEB PHISHING DETECTION

TEAM ID -PNT2022TMID43023

IBM PROJECT REPORT

Submitted by

K.KARTHICK   (713119104004)

K.KOWSIKAN   (713119104007)

P.LAKSHMI   (713119104009)

S.SAKTHI PRIYA (713119104016)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

SRI SAI RANGANATHAN ENGINEERING COLLEGE

COIMBATORE - 641 109

ANNA UNIVERSITY: CHENNAI 600 025

NOVEMBER 2022

ABSTRACT

➢ Phishing is the fraudulent attempt to obtain sensitive information such as username, password, bank account details, and credit card details for malicious use. Phishing frauds might be the most popular cybercrime used today. There are various domain where phishing attacks can occurs like online payment sector, webmail and financial institution, file hosting or cloud storage and many others. The webmail and online sector was targeted by phishing more than in any other industry sector. Several anti-phishing techniques are there such because it is easy to use and implement but it fails to detect new phishing attacks machine learning is efficient techniques to detect phishing. It also removes drawback of existing approach. We perform detailed literature survey and proposed new approach to detect phishing website by features extraction and machine learning algorithm.

Key words : phishing detection, feature extraction ,phishing website ,phishing attacks

TABLE OF CONTENTS

1. INTRODUCTION

1.1 PROJECT OVERVIEW

There are a number of users who can purchase products in online and make payments through e-banking. There are e-banking websites that ask users to provide sensitive data such as username, password & credit card details, etc., often for malicious reasons. This type of e-banking website is known as a phishing website. Web service is one of the key communications software services for the Internet. Web phishing is one of many security threat.

Common threats of web phishing:

➢ Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity.

➢ It will lead to information disclosure and property damage.

➢ Large organizations may get trapped in different kinds of scams.

This Guided Project mainly focuses on applying a machine-learning algorithm to detect Phishing websites.

➢ In order to detect and predict e-banking phishing websites, we proposed an intelligent, flexible and effective system that is based on using classification algorithms. We implemented classification algorithms and techniques to extract the phishing datasets criteria to classify their legitimacy. The e-banking phishing website can be detected based on some important characteristics like URL and domain identity, and security and encryption criteria in the final phishing detection rate. Once a user makes a transaction online when he makes payment through an e-banking website our system will use a data mining algorithm to detect whether the e-banking website is a phishing website or not.

1.2 PURPOSE

➢ The main purpose of the project is to detect the fake or phishing websites who are trying to get access to the sensitive the data by creating the fake website and trying to get access of the use personal credentials

➢ We are using machine learning algorithms to safeguard the sensitive data and to detect the phishing websites who are trying to gain access on sensitive data.

2. LITERATURE SURVEY

2.1 EXISTING PROBLEM

- ➢ Existing research works show that the performance of the phishing detection system is limited.
- ➢ Several anti-phishing techniques are there such because it is easy to use and implement but it fails to detect new phishing attacks.
- ➢ The problem of web phishing attacks has grown considerably in recent years and phishing is considered as one of the most dangers web to sophisticated techniques to attack and scam users all web has easily phishing by stealers.

2.2 REFERENCES

1. **TITLE** : phishing alarm

    AUTHOR : Koceilah Rekouche

ABSTRACT :

Phishing is a type of social engineering where an attacker sends a fraudulent (e.g., spoofed, fake, or otherwise deceptive) message designed to trick a person into revealing sensitive information to the attacker or to deploy malicious software on the victim's infrastructure like ransomware. Phishing attacks have become increasingly sophisticated and often transparently mirror the site being targeted, allowing the attacker to observe everything while the victim is navigating the site, and transverse any additional security boundaries with the victim. As of 2020, phishing is by far the most common attack performed by cybercriminals, the FBI's Internet Crime Complaint Centre recording over twice as many incidents of phishing than any other type of computer crime.

2. TITLE **:** phishing activity trends reports, 2020.

  AUTHOR **:** M. Wisecrackers

ABSTRACT :

The APWG Phishing Activity Trends Report analyzes phishing attacks reported to the APWG by its member companies, its Global Research Partners, through the organization's website at http://www.apwg.org, and by e-mail submissions to reportphishing@antiphishing.org. APWG also measures the evolution, proliferation, and propagation of crimeware by drawing from the research of our member companies. Phishing is a criminal mechanism employing both social engineering and technical subterfuge to steal consumers' personal identity data and financial account credentials. Technical subterfuge schemes plant crimeware onto PCs to steal credentials directly, often using systems to intercept consumers online account user names and passwords -- and to corrupt local navigational infrastructures to misdirect consumers to counterfeit Web sites (or authentic Web sites through phisher-controlled proxies used to monitor and intercept consumers' keystrokes).

2.3 PROBLEM STATEMENT DEFINITION

- ➢ Phishing is one of the techniques which are used by the intruders to get access to the user credentials or to gain access to the sensitive data .
- ➢ this type of accessing the is done by creating the replica of the websites which looks same as the original websites which we use on our daily basis but when a user click on the link he will see the website and think its original and try to provide his credentials.

- ➢ To overcome this problem we are using some of the machine learning algorithms in which it will help us to identify the phishing websites based on the feature present in the algorithm.
- ➢ By using these algorithm we can be able to keep the user personal credentials or the sensitive data safe from the intruders.

➤ 3. IDEATION AND PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS:

THINK AND FEEL:
- ➤ At present, visual similarities-based techniques are very useful for detecting phishing websites efficiently
- ➤ When the user, thinking the websites is a legitimate one, enter private information, and click the submit button, either a page cannot be found or not.

WHAT DO THEY HEAR :
- ➤ Phishing websites looks very similar in appearance to its corresponding legitimate websites.
- ➤ This methods uses the hyperlink function to check the legitimacy of web pages

WHAT DO THEY SEE :
- ➤ Phishing attacks often result in the theft of user data.
- ➤ Phishing attack gave become increasingly sophisticated and often transparently mirror the site being targeted.

WHAT THEY SAY AD DO :
- ➤ If the web page logs in successfully, it is classified as phishing other wise it undergoes further heuristic filtering.

PAIN :
- ➤ Phishers steal personal information and financial account data.
- ➤ Detection of phishing attack with high accuracy has always been a challenging issue.

GAIN :

> ➢ With the significant growth of internet usage, people increasingly share their personal information.
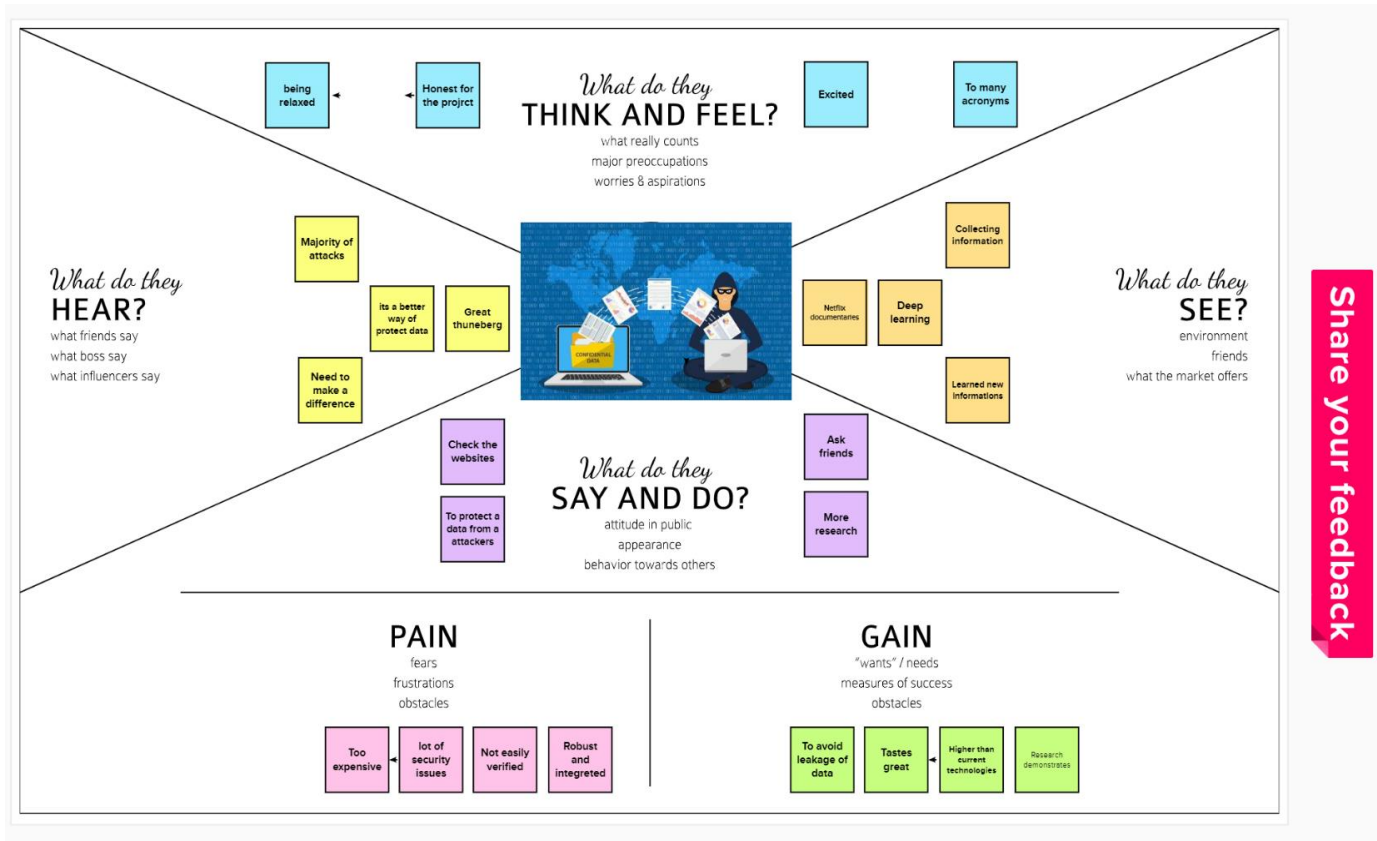
3.2 IDEATION AND BRAINSTROMING :

PROCESS:

> ➢ In our brainstorming we will collaborate our team members and enter our problem statement.
>
> ➢ Each member of our team give nine ideas to solving the problems.
>
> ➢ Separate the similar ideas and graph it properly.

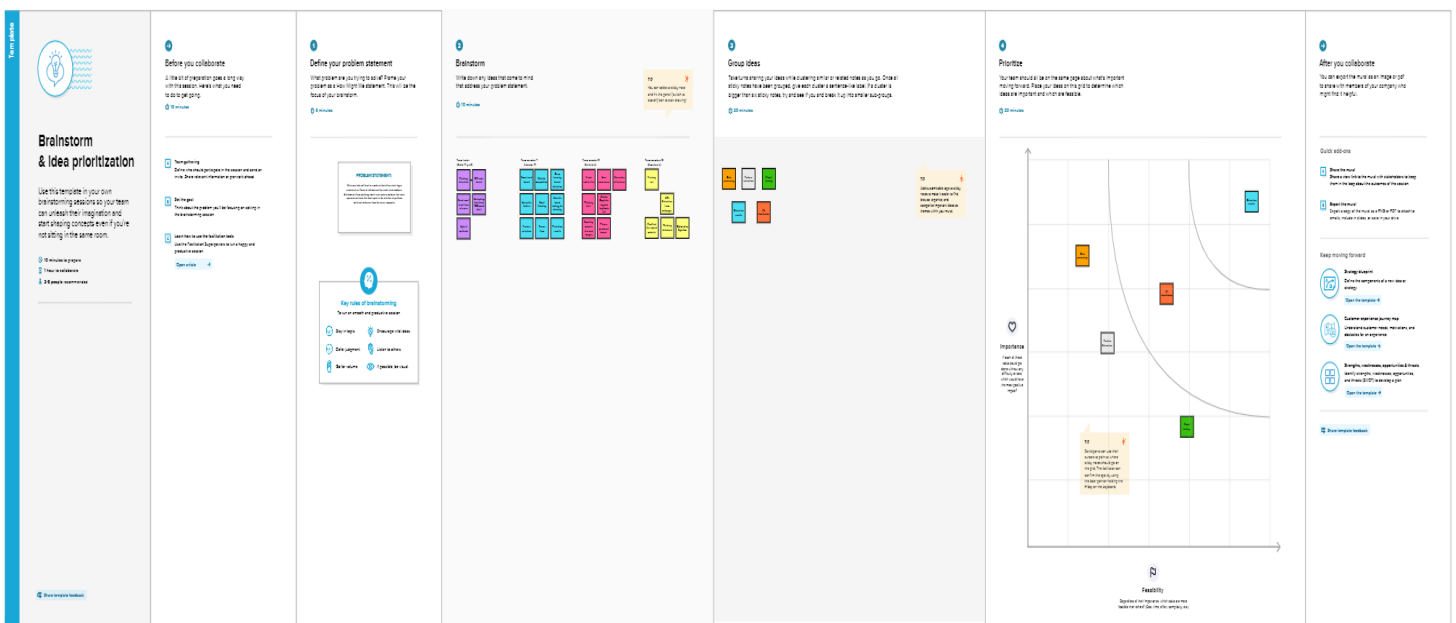**PURPOSE :**

➢ To find innovative solution to problem

➢ To leverage creativity and motivate to higher plateau of thinking

➢ Create the opportunity for expression of uncultivated ideas

➢ To draw from the diversity of new skills.

3.3 PROPOSED SOLUTION :

The purpose or goal behind phishing is data, money or personal information stealing through the fake website. The bet strategy for avoiding the contact with the phishing web site is to detect real time malicious URL. Phishing websites can be determined on the basis of their domains. They usually are related to URL which needs to be registered (low-level domain and upper-level domain, path, query). recently acquired status of intra-URL relationship is used to evaluate it using distinctive properties extracted from words that compose a URL based on query data from various search engines such as google. These properties are further led to the machine -learning based classification for the identification of

the phishing URL from a real dataset. This paper focus on real time URL phishing against phishing content by using phishing-storm for this a few relationship between the register domain ret of the URL are consider also intro URL relentless is consider which help to dusting wish between phishing or non-phishing URL. Proposed a novel classification approach that use heuristic-based feature extraction approach. In this, they have classified extracted features into different categories such as URL features. moreover, proposed technique gives 95.5% accuracy. also this model is purely depends on the quality and quantity Of the training set and broken links feature extraction.

3.4 PROBLEM SOLUTION FIT :

User who can purchase products and make their payments through e-banking. The main problem is that the user can provide their personal details to an e-banking website will be vulnerable to the fake websites, so the data easily can be misused. Customer they know several web pages knowing known to product themselves from phishing .so their details will be misused. Customers were feeling insecure about the online payment. customer feelings confident for approaching several websites. There are many phishing websites that are made available to detect a phishing websites. The major advantages in our phishing detection websites is that it accurately finds the phishing website and warns the customers before immediately directly to the phishing websites. customer , they are not know which websites are and fake.so the user can't figure out if or not they should trust their providing details in the websites. The customer use phishing detection websites in order to prevent using fake websites and protect the details from those websites. Complaint to cyber-crime for malicious websites. Approach the customer care number. ONLINE 1.Websites 2.social media platforms, OFFLINE 1.customer care through phone calls. The problem is the vulnerability of the customer's details to fake websites .so these websites will use the customers details to access their bank account and lost their money. To design a website to detect malicious websites using flask to approach the problem we will use URL feature extraction at the neural model.

4.REQUIREMENT ANALYSIS :

4.1 FUNCTIONAL REQUIREMENTS

A function of software system is defined in functional requirement and the behavior of the system is evaluated when presented with specific inputs or conditions which may include calculations, data manipulation and processing and other specific functionality.

- Our system should be able to load air quality data and preprocess data.

- It should be able to analyze the air quality data.

- It should be able to group data based on hidden patterns.

- It should be able to assign a label based on its data groups.

- It should be able to split data into trainset and test set.

- It should be able to train model using trainset.

- It must validate trained model using test set.

- It should be able to display the trained model accuracy.

- It should be able to accurately predict the air quality on unseen data.

4.2 NON-FUNCTIONL REQUIREMENT

➢ Non-functional requirements describe how a system must behave and establish constraints of its functionality. This type of requirements is also known as the system's *quality attributes*. Attributes such as performance, security, usability, compatibility are not the feature of the system, they are a required characteristic. They are "developing" properties that emerge from the whole arrangement and hence we can't compose a particular line of code to execute them. Any attributes

required by the customer are described by the specification. We must include only those requirements that are appropriate for our project. Some Non-Functional Requirements are as follows:

- Usability
- Security
- Reliability
- Performance
- Availability
- Scalability

➤ Usability :

This is very user friendly, any people with less knowledge also can easily understanded that they are using the fake websites through our alert message.

➤ Security :

This website is secured as one can't hack our detection website, our website is easily trusted ones and they will be saved users financial information loss.

➤ Reliability :

It has good consistency and performs as it actively detect the fake website and protect the confidential information and financial loss of the user.

➤ Performance :

Web phishing detection performs high. It is very efficient, very easy to understand and it has a high security and scalability.

➢ **Availability :**

     This detection website is available at any system like smart phones, laptop smart watch, desktop and other electronic devices. user can easily got it.

➢ **Scalability :**

     The total execution time of our approach in phishing web page detection is around 2-3sec, which is acceptable to our environment. As input size and execution time is increase it make the system difficult to handle and increase the stress.

5 . PROJECT DESIGN :

5.1 DATA FLOW DIAGRAM:

5.2 TECHNOLOGY STACK

WEBPAGE

Construct DOM tree of web page

Get URL of webpage

Feature Extraction

Hyperlink features

URL Features

Textual content features

Dataset.csv

Test data

Train data

ML classifier trainings

Phishing

Legitimate

Decision

Detection Module

Data pre-processing phase

Detection Phase
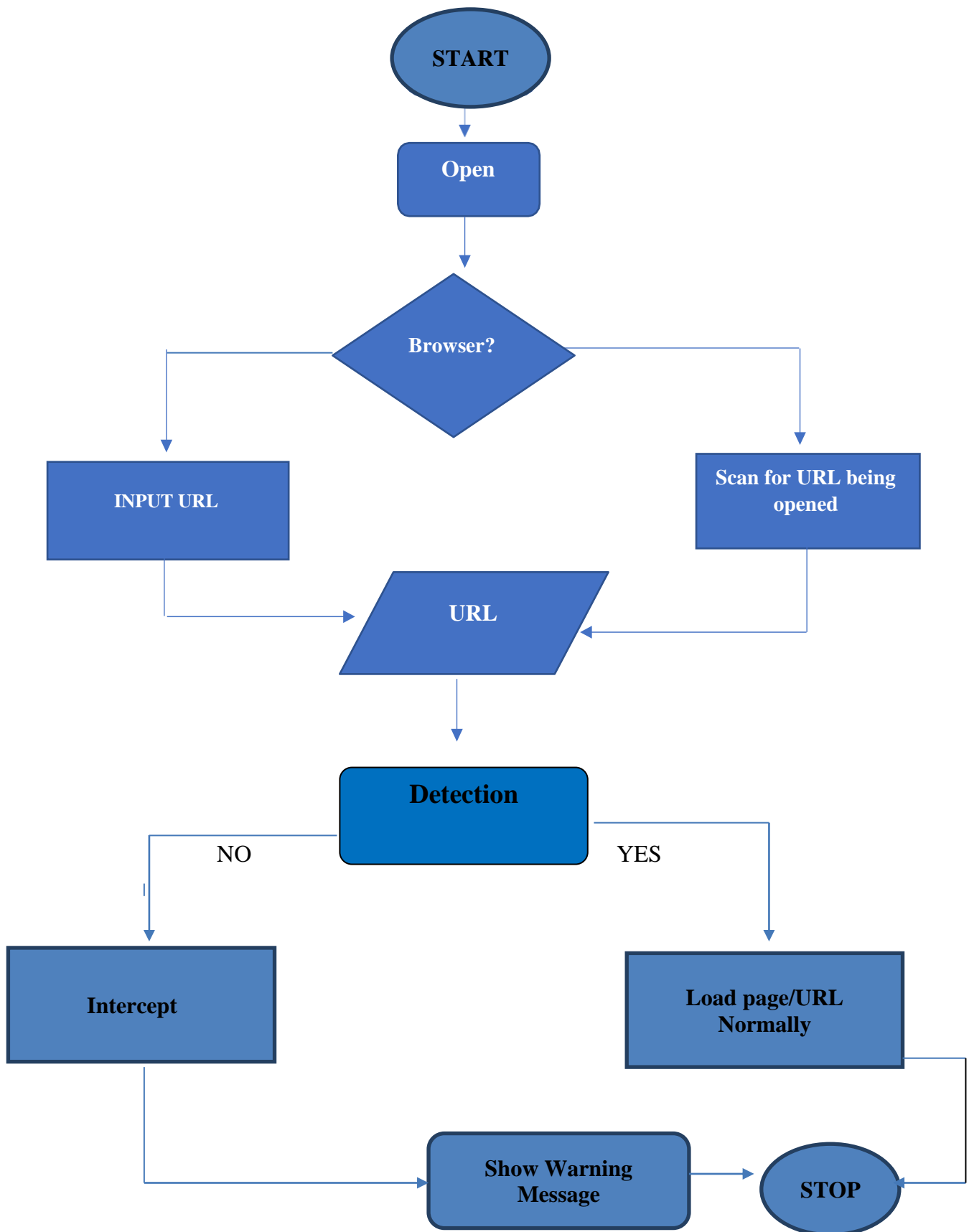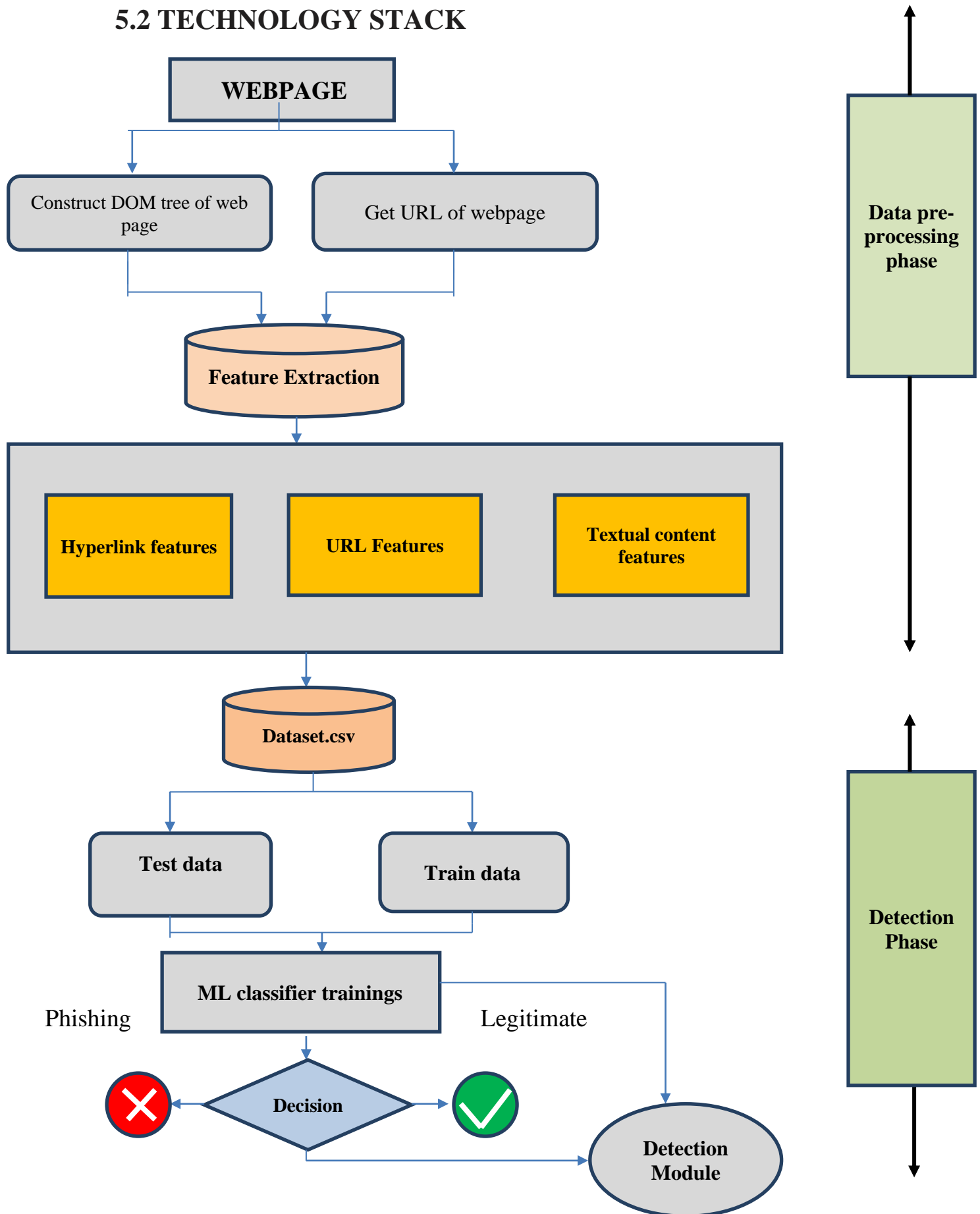
5.3 TECHNICAL ARCHITECTURE

SOLUTION ARCHITECTURE :

```
                         ┌──────────────┐
                         │  Train data  │─────────────┐
                         └──────────────┘             │
                                ▲                      ▼
┌────────┐    ┌──────────────┐  │                 ◇ ML
│  Data  │───▶│  Data pre-   │──┤              Algorithm ◇
└────────┘    │  processing  │  │                      │
              └──────────────┘  │                      ▼
                                │              ┌──────────────────┐
                                ▼              │   Checking the   │
                         ┌──────────────┐      │ working of       │
                         │  Test Data   │─────▶│ Algorithm        │
                         └──────────────┘      └──────────────────┘
                                                        │
   ┌──────────────────┐                                 │
   │  Building the    │◀────────────────────────────────┘
   │ Intelligent      │
   │ System           │
   └──────────────────┘
```

OUTPUT

IINPUT
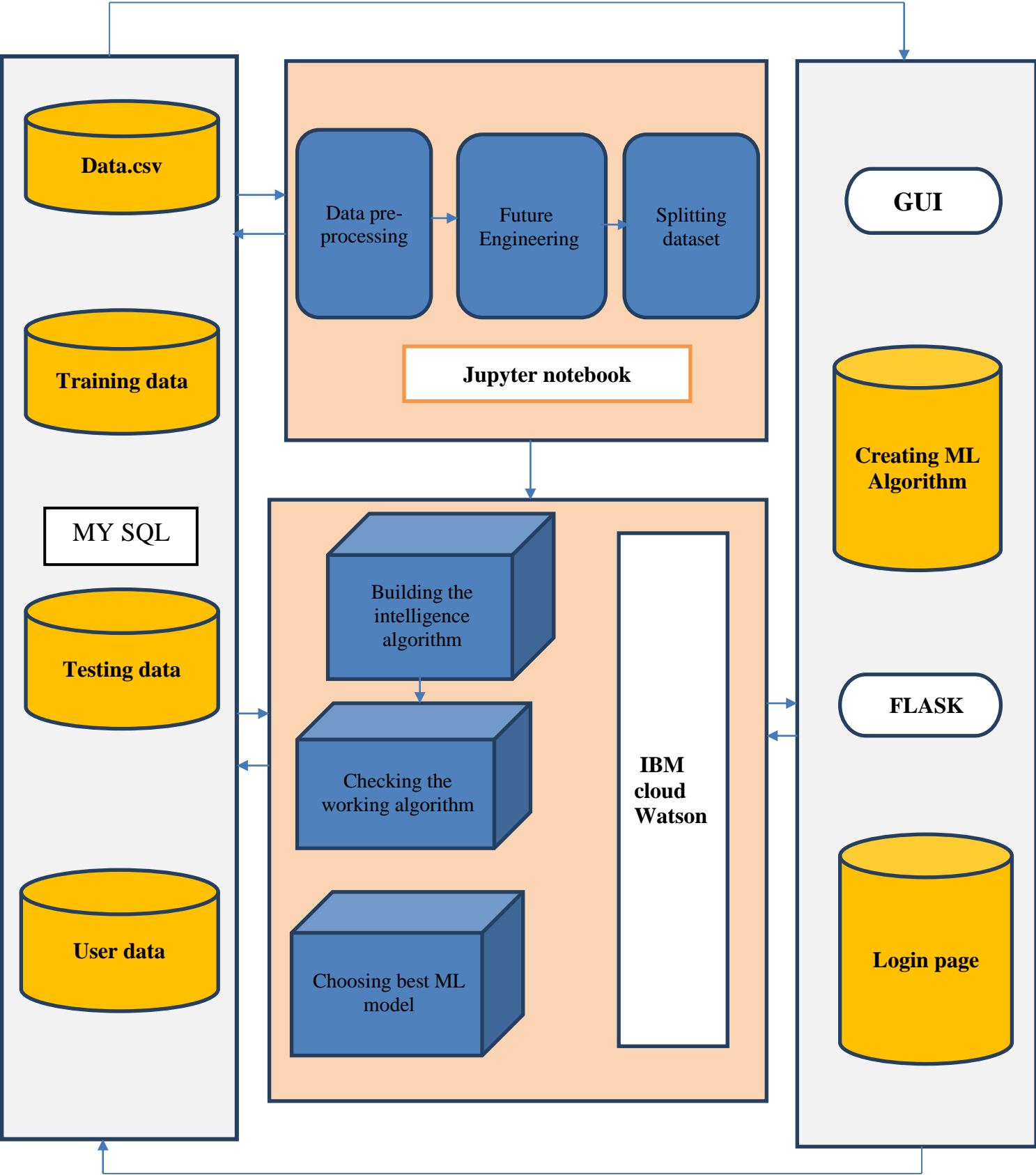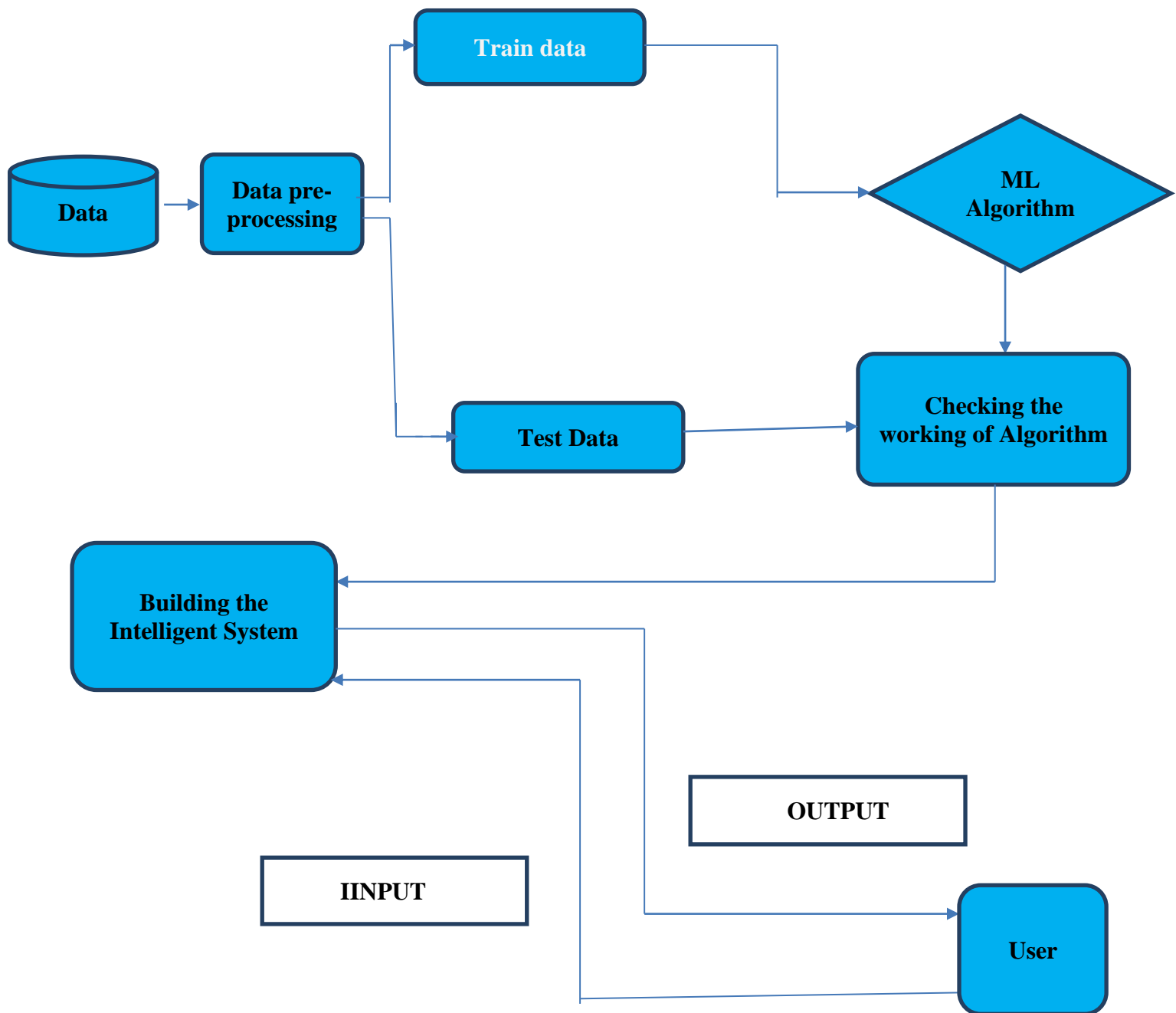
User

5.4 USER STORIES :

- ➤ As a user, I can enter the common threats of web phishing and I enter the username and password for detect phishing.

- ➤ As a user, I can predict the output by use of web frame flask.

- ➤ As a user, I can predict the phishing websites using of various techniques to develop ML models by console.

- ➤ The user can use the model by requesting the deployed model on cloud.

- ➤ As a user, I can so interested to using this websites with trained model on IBM.

- ➤ The user can Login / Sign in into the website by entering
   G-mail, Username and Create a password for future references.

6. PROJECT PLANNING & SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION :

| Sprint	Requirements	Estimation	Team Members
Sprint-1	➢ Home page ➢ URL Link	High	S.Sakthi priya K.Kowsikan
Sprint-2	➢ Import Flask ➢ Model building	Medium	P.Lakshmi K.Karthick
Sprint-3	➢ Evaluate the model ➢ Deploy the model on the cloud using IBM Watson ➢ Integrate the training model on Flask	High	S.Sakthi priya K.Kowsikan
Sprint-4	➢ Login /Sign in	High	P.Lakshmi K.Karthick

6.2 SPRINT DELIVERABLE SCHEDULE:

Sprint	Sprint start date	Sprint end date	Story point	Sprint release date
Sprint-1	24 Oct 2022	07 Nov 2022	20	07 Nov 2022
Sprint-2	03 Nov 2022	09 Nov 2022	20	09 Nov 2022
Sprint-3	05 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	14 Nov 2022	19 Nov 2022	20	16 Nov 2022

6.3 REPORTS FROM JIRA FILES:

ROAD MAP :
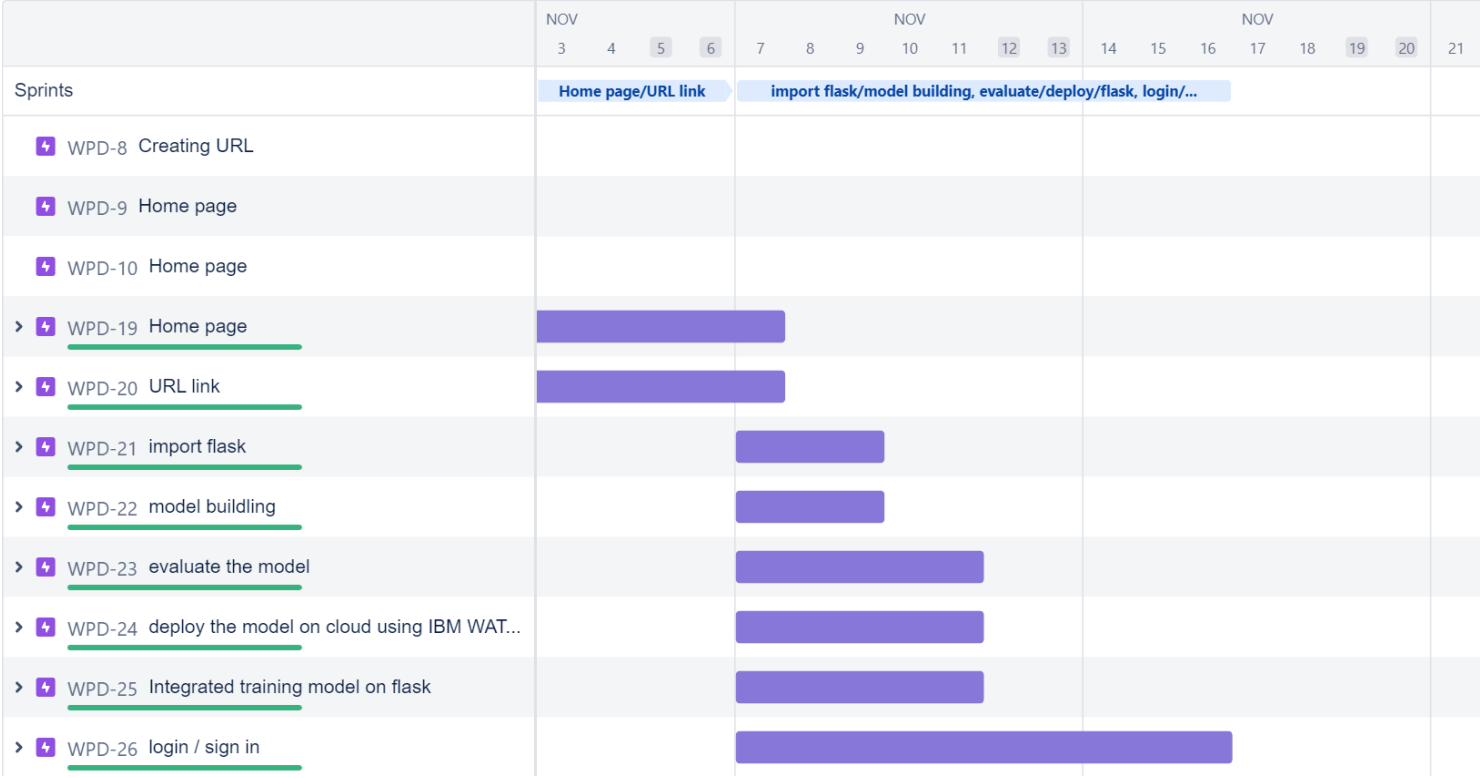
BURNDOWN GRAPH:
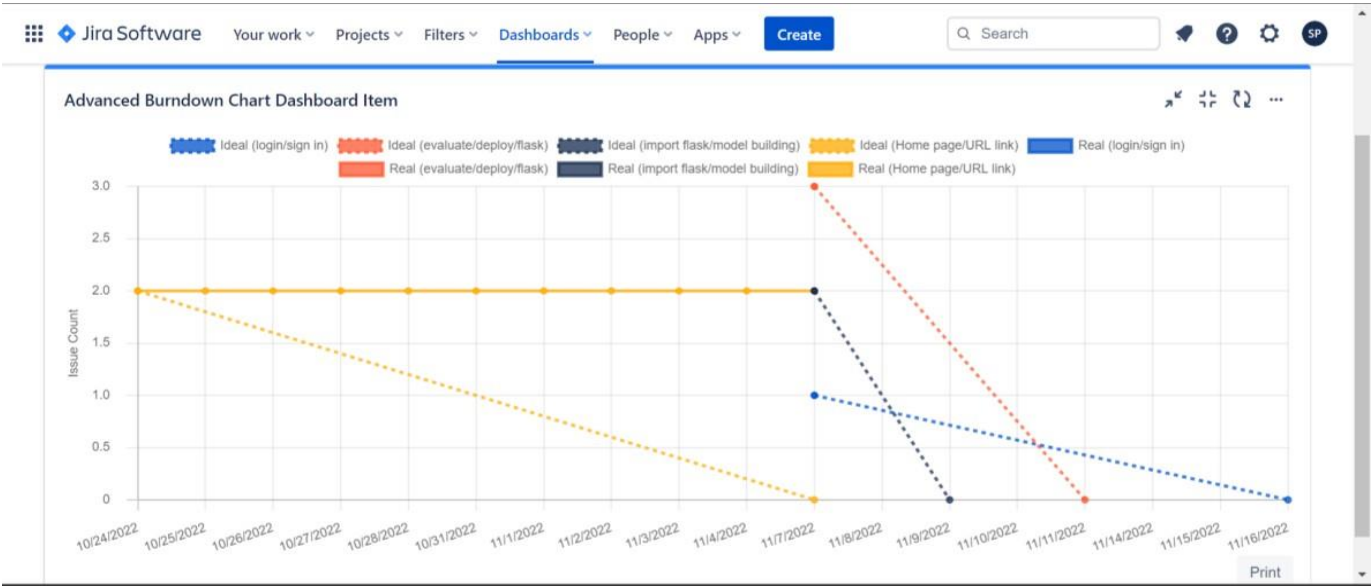
7.CODING AND SOLUTIONS:

7.1 FEATURE 1:

DATA PRE-PROCESSING :

```python
import pandas as pd
import numpy as np
from sklearn.preprocessing import MinMaxScaler
from sklearn.metrics import confusion_matrix,accuracy_score
ds= pd.read_csv('dataset_website.csv')
ds.head()
ds.info()
ds.isnull().any()
ds.describe()
ds.dtypes
x=ds.iloc[:,:-1].values
y=ds.iloc[:,-1].values
x
y
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2,random_state=0)
from sklearn.linear_model import LogisticRegression
lr=LogisticRegression()
lr.fit(x_train,y_train)
y_pred1=lr.predict(x_test )
from sklearn.metrics import accuracy_score
lr=accuracy_score(y_test,y_pred1)
lr
import pickle
pickle.dump(lr,open('phishing_website.pkl','wb')
```

MODEL BUILDING :

```python
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2,random_state=0)
from sklearn.linear_model import LogisticRegression
lr=LogisticRegression()
lr.fit(x_train,y_train)
y_pred1=lr.predict(x_test )
from sklearn.metrics import accuracy_score
lr=accuracy_score(y_test,y_pred1)
lr
import pickle
pickle.dump(lr,open('phishing_website.pkl','wb')
```

APPLICATION BUILDING :

Flask app step 1 :

```python
Import numpy as np
From flask import Flask, request, jsonify , render_template
Import pickle
Import inputscript
App=Flask (_name_)
Model=pickle.load(open('phishing_website.pkl','rb'))
```

Flask app step 2:

```python
@app.route('/')
def prediction():
    return render_template('index.html')
@app.route('/y_predict', methods=['post'])
def y_predict():
    url=request.form['URL']
    checkpredicton = model.predict(checkpredicton)
    print(prediction)
    output=prediction [0]
    if(output==1):
        pred="your are safe!! this is a legitimate website."

    else:
        pred="you are on the wrong site. Be cautious!"
    return render_template('template/index.html',prediction_text='{}'.format(pred),url=url)


@app.route('/predict_api',methods=['POST'])
def predict_api():
    data=request.get_json(force=True)
    prediction = model.y_predict ([np.array(list(data.values()))])

    output=prediction[0]
    return jsonify(output)

if_name_=='_main_':
    app.run(host='0.0.0.0',debug=true)
```

7.2 FEATURE 2:

CSS

```
!DOCTYPE html>
<html lang="en">
  <head>

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">
    <link
href="https://fonts.googleapis.com/css?family=Montserrat:100,200,300,400,500,600,700,800,
900" rel="stylesheet">

    <title>Web Phishing Detection</title>

    <!-- Bootstrap core CSS -->
    <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

    <!-- Additional CSS Files -->
    <link rel="stylesheet" href="assets/css/fontawesome.css">
    <link rel="stylesheet" href="assets/css/style.css">
    <link rel="stylesheet" href="assets/css/owl.css">
    <link rel="stylesheet" href="assets/css/lightbox.css">

  </head>
  <body>
```

```html
<!--header-->
  <header class="main-header clearfix" role="header">
   <div class="logo">
    <a href="#"><em>Web Phishing</em> Detection </a>
   </div>
   <a href="#menu" class="menu-link"><i class="fa fa-bars"></i></a>
   <nav id="menu" class="main-nav" role="navigation">
    <ul class="main-menu">
     <li><a href="#section1">Home</a></li>
     <li class="has-submenu"><a href="#section2">About Us</a>
       </li>
    </ul>
   </nav>
  </header>


  <!-- ***** Main Banner Area Start ***** -->
  <section class="section main-banner" id="top" data-section="section1">
    <video autoplay muted loop id="bg-video">
      <source src="assets/images/drops_flares - FREE Video Background HD Loops
1080p(1080P_HD).mp4" type="video/mp4" />
    </video>

    <div class="video-overlay header-text">
      <div class="caption">
        <h6>WEB PHISHING DETECTION</h6>
        <h2><em>your </em> websites </h2>
        <div class="main-button">
          <div class="scroll-to-section"><a href="#section2">Discover more</a></div>
        </div>
```

```html
        </div>
      </div>
    </section>
    <!-- ***** Main Banner Area End ***** -->



    <section class="features">
      <div class="container">
        <div class="row">
          <div class="col-lg-4 col-12">
            <div class="features-post">
              <div class="features-content">
                <div class="content-show">
                  <h4><i class="fa fa-pencil"></i> about our project </h4>
                </div>
                <div class="content-hide">
                  <p>There are a number of users who purchase products online and make payments
through e-banking. There are e-banking websites that ask users to provide sensitive data such
as username, password & credit card details, etc.</p>
                  <p class="hidden-sm">often for malicious reasons. This type of e-banking website is
known as a phishing website. Web service is one of the key communications software services
for the Internet. Web phishing is one of many security threats to web services on the
Internet.</p>
                  <div class="scroll-to-section"></a></div>
                </div>
              </div>
            </div>
          </div>
          <div class="col-lg-4 col-12">
```

```html
<div class="features-post second-features">
  <div class="features-content">
    <div class="content-show">
      <h4><i class="fa fa-graduation-cap"></i>Common threats of web phishing</h4>
    </div>
    <div class="content-hide">
      <p>Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity.</p>
      <p class="hidden-sm">Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity.</p>
      <div class="scroll-to-section"></a></div>
    </div>
  </div>
</div>
<div class="col-lg-4 col-12">
  <div class="features-post third-features">
    <div class="features-content">
      <div class="content-show">
        <h4><i class="fa fa-book"></i>Project Objectives</h4>
      </div>
      <div class="content-hide">
        <p>You well be able to understand the problem to classify if it is a regression or a classification kind of problem.</p>
        <p class="hidden-sm">You well be able to understand the problem to classify if it is a regression or a classification kind of problem.</p>
        <div class="scroll-to-section"></a></div>
      </div>
```

```
        </div>
      </div>
    </div>
  </div>
</section>

<section class="section why-us" data-section="section2">
  <div class="container">
    <div class="row">
      <div class="col-md-12">
        <div class="section-heading">
          <h2>verify url?</h2>
        </div>
      </div>
      <div class="col-md-12">
        <div id='tabs'>
         <ul>
           <li><a href='#tabs-1'>Web Phishing Detection</a></li>
           <li><a href='#tabs-2'>About</a></li>
           <li><a href='#tabs-3'>Project Objectives</a></li>
         </ul>
         <section class='tabs-content'>
          <article id='tabs-1'>
            <div class="row">
              <div class="col-md-6">
                <img src="assets/images/fight-against-phishing-e-mail-with-whois-1.jpeg"
alt="">
              </div>
```

```html
<div class="col-md-6">
  <h4>Web Phishing Detection</h4>
  <p>There are a number of users who purchase products online and make
payments through e-banking. There are e-banking websites that ask users to provide sensitive
data such as username, password & credit card details, etc., often for malicious reasons. This
type of e-banking website is known as a phishing website. Web service is one of the key
communications software services for the Internet. Web phishing is one of many security
threats to web services on the Internet.
  </p>
</div>
</div>
</article>
<article id='tabs-2'>
  <div class="row">
    <div class="col-md-6">
      <img src="assets/images/iStock-1164097820.jpg" alt="">
    </div>
    <div class="col-md-6">
      <h4>About</h4>
      <p>There are a number of users who purchase products online and make
payments through e-banking. There are e-banking websites that ask users to provide sensitive
data such as username, password & credit card details, etc., often for malicious reasons. This
type of e-banking website is known as a phishing website. Web service is one of the key
communications software services for the Internet. Web phishing is one of many security
threats to web services on the Internet. </p>
    </div>
  </div>
</article>
<article id='tabs-3'>
```

```html
        <div class="row">
          <div class="col-md-6">
            <img src="assets/images/Phishing-vector - Copy.png" alt="">
          </div>
          <div class="col-md-6">
            <h4>Project Objectives</h4>
            <p>* You will be able to understand the problem to classify if it is a regression or
a classification kind of problem.</p>
            <p>* You will be able to know how to pre-process/clean the data using different
data pre-processing techniques.</p>
            <p>* Applying different algorithms according to the dataset</p>
            <p>* You will be able to know how to find the accuracy of the model.</p>
            <p>* You will be able to build web applications using the Flask framework.</p>
          </div>
        </div>
      </article>
    </section>
  </div>
  </div>
  </div>
</section>

<section class="section coming-soon" data-section="section3">
  <div class="container">
    <div class="row">
      <div class="col-md-7 col-xs-12">
        <div class="continer centerIt">
          <div style="color:wheat">WEB PHISHING DETECTION</h4>
```

```html
        </div>

      </div>

    </div>

  </div>

  <div class="col-md-5">

    <div class="right-content">

      <div class="top-content">

        <h6>Register your free account</h6>


      </div>

      <form id="contact" action="" method="get">

        <div class="row">

          <div class="col-md-12">

            <fieldset>

              <input name="name" type="text" class="form-control" id="name"
placeholder="Your Name" required="">

            </fieldset>

          </div>

          <div class="col-md-12">

            <fieldset>

              <input name="email" type="text" class="form-control" id="email"
placeholder="Your Email" required="">

            </fieldset>

          </div>

          <div class="col-md-12">

            <fieldset>

              <input name="phone-number" type="text" class="form-control" id="phone-
number" placeholder="Your Phone Number" required="">
```

```html
          </fieldset>
        </div>
        <div class="col-md-12">
         <fieldset>
           <button type="submit" id="form-submit" class="button">Get it now</button>
           <form id="contact" action="" method="get">
             <div class="row">
               <div class="col-md-12">
                 <fieldset>
                   <input name="Enter url" type="link" class="url" id="url"
placeholder="link">
                     <button type="submit" id="form-submit" class="button">Enter the
url</button>

                 </fieldset>
               </div>
             </fieldset>
           </div>
         </div>
       </form>
     </div>
   </div>
 </section>


<!-- Scripts -->
<!-- Bootstrap core JavaScript -->
```

```html
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="assets/js/isotope.min.js"></script>
<script src="assets/js/owl-carousel.js"></script>
<script src="assets/js/lightbox.js"></script>
<script src="assets/js/tabs.js"></script>
<script src="assets/js/video.js"></script>
<script src="assets/js/slick-slider.js"></script>
<script src="assets/js/custom.js"></script>
<script>
    //according to loftblog tut
    $('.nav li:first').addClass('active');

    var showSection = function showSection(section, isAnimate) {
      var
      direction = section.replace(/#/, ''),
      reqSection = $('.section').filter('[data-section="' + direction + '"]'),
      reqSectionPos = reqSection.offset().top - 0;

      if (isAnimate) {
        $('body, html').animate({
          scrollTop: reqSectionPos },
        800);
      } else {
        $('body, html').scrollTop(reqSectionPos);
      }

    };
```

```javascript
var checkSection = function checkSection() {
  $('.section').each(function () {
    var
    $this = $(this),
    topEdge = $this.offset().top - 80,
    bottomEdge = topEdge + $this.height(),
    wScroll = $(window).scrollTop();
    if (topEdge < wScroll && bottomEdge > wScroll) {
      var
      currentId = $this.data('section'),
      reqLink = $('a').filter('[href*=\\#' + currentId + ']');
      reqLink.closest('li').addClass('active').
      siblings().removeClass('active');
    }
  });
};

$('.main-menu, .scroll-to-section').on('click', 'a', function (e) {
  if($(e.target).hasClass('external')) {
    return;
  }
  e.preventDefault();
  $('#menu').removeClass('active');
  showSection($(this).attr('href'), true);
});

$(window).scroll(function () {
  checkSection();
```

```
      });
    </script>
  </body>
</html>
```

Flex-slider

```
/*
 * jQuery FlexSlider v2.7.1
 * http://www.woothemes.com/flexslider/
 *
 * Copyright 2012 WooThemes
 * Free to use under the GPLv2 and later license.
 * http://www.gnu.org/licenses/gpl-2.0.html
 *
 * Contributing author: Tyler Smith (@mbmufffin)
 *
 */
/*
==================================================================
===================================================
 * FONT-FACE
 *
==================================================================
==============================================-*/
@font-face {
  font-family: 'flexslider-icon';
  src: url('../fonts/flexslider-icon.eot');
  src: url('../fonts/flexslider-icon.eot?#iefix') format('embedded-opentype'),
```

```css
url('../fonts/flexslider-icon.woff') format('woff'), url('../fonts/flexslider-icon.ttf')
format('truetype'), url('../fonts/flexslider-icon.svg#flexslider-icon') format('svg');
  font-weight: normal;

  font-style: normal;

}
/*
 * RESETS
 *
============================================================
==================================================-*/
.flex-container a:hover,
.flex-slider a:hover {
  outline: none;
}
.slides,
.slides > li,
.flex-control-nav,
.flex-direction-nav {
  margin: 0;

  padding: 0;

  list-style: none;
}
.flex-pauseplay span {
  text-transform: capitalize;
}
/*
```

```css
* BASE STYLES
 /
.flexslider {
  margin: 0;
  padding: 0;
}
.flexslider .slides > li {
  display: none;
}
.flexslider .slides img {
  width: 100%;
  display: block;
}
.flexslider .slides:after {
  content: "\0020";
  display: block;
  clear: both;
  visibility: hidden;
  line-height: 0;
  height: 0;
}
html[xmlns] .flexslider .slides {
  display: block;
}
* html .flexslider .slides {
  height: 1%;
}
.no-js .flexslider .slides > li:first-child {
  display: block;
```

```css
}
/*
 * DEFAULT THEME
.flexslider {
  margin: 0;
  background: #fff;
  border: 4px solid #fff;
  position: relative;
  zoom: 1;
  -webkit-border-radius: 4px;
  -moz-border-radius: 4px;
  border-radius: 4px;
  -webkit-box-shadow: " 0 1px 4px rgba(0, 0, 0, 0.2);
  -moz-box-shadow: " 0 1px 4px rgba(0, 0, 0, 0.2);
  -o-box-shadow: " 0 1px 4px rgba(0, 0, 0, 0.2);
  box-shadow: " 0 1px 4px rgba(0, 0, 0, 0.2);
}
.flexslider .slides {
  zoom: 1;
}
.flexslider .slides img {
  height: auto;
}
.flex-viewport {
  max-height: 2000px;
  -webkit-transition: all 1s ease;
  -moz-transition: all 1s ease;
  -ms-transition: all 1s ease;
  -o-transition: all 1s ease;
```

```css
  transition: all 1s ease;
}
.loading .flex-viewport {
  max-height: 300px;
}
@-moz-document url-prefix() {
  .loading .flex-viewport {
    max-height: none;
  }
}
.carousel li {
  margin-right: 5px;
}
.flex-direction-nav {
  *height: 0;
}
.flex-direction-nav a {
  text-decoration: none;
  display: block;
  width: 40px;
  height: 40px;
  line-height: 40px;
  margin: -20px 0 0;
  position: absolute;
  top: 50%;
  z-index: 10;
  overflow: hidden;
  opacity: 0;
  cursor: pointer;
```

```css
  color: rgba(0, 0, 0, 0.8);

  text-shadow: 1px 1px 0 rgba(255, 255, 255, 0.3);

  -webkit-transition: all 0.3s ease-in-out;

  -moz-transition: all 0.3s ease-in-out;

  -ms-transition: all 0.3s ease-in-out;

  -o-transition: all 0.3s ease-in-out;

  transition: all 0.3s ease-in-out;

}
.flex-direction-nav a:before {

  font-family: "flexslider-icon";

  font-size: 26px;

  display: inline-block;

  content: '\f001';

  color: rgba(0, 0, 0, 0.8);

  text-shadow: 1px 1px 0 rgba(255, 255, 255, 0.3);

}
.flex-direction-nav a.flex-next:before {

  content: '\f002';

}
.flex-direction-nav .flex-prev {

  left: -50px;

}
.flex-direction-nav .flex-next {

  right: -50px;

  text-align: right;

}
.flexslider:hover .flex-direction-nav .flex-prev {

  opacity: 0.7;

  left: 10px;
```

```css
}
.flexslider:hover .flex-direction-nav .flex-prev:hover {
  opacity: 1;
}
.flexslider:hover .flex-direction-nav .flex-next {
  opacity: 0.7;
  right: 10px;
}
.flexslider:hover .flex-direction-nav .flex-next:hover {
  opacity: 1;
}
.flex-direction-nav .flex-disabled {
  opacity: 0!important;
  filter: alpha(opacity=0);
  cursor: default;
  z-index: -1;
}
.flex-pauseplay a {
  display: block;
  width: 20px;
  height: 20px;
  position: absolute;
  bottom: 5px;
  left: 10px;
  opacity: 0.8;
  z-index: 10;
  overflow: hidden;
  cursor: pointer;
  color: #000;
```

```css
}
.flex-pauseplay a:before {
  font-family: "flexslider-icon";
  font-size: 20px;
  display: inline-block;
  content: '\f004';
}
.flex-pauseplay a:hover {
  opacity: 1;
}
.flex-pauseplay a.flex-play:before {
  content: '\f003';
}
.flex-control-nav {
  width: 100%;
  position: absolute;
  bottom: -40px;
  text-align: center;
}
.flex-control-nav li {
  margin: 0 6px;
  display: inline-block;
  zoom: 1;
  *display: inline;
}
.flex-control-paging li a {
  width: 11px;
  height: 11px;
  display: block;
```

```css
  background: #666;

  background: rgba(0, 0, 0, 0.5);

  cursor: pointer;

  text-indent: -9999px;

  -webkit-box-shadow: inset 0 0 3px rgba(0, 0, 0, 0.3);

  -moz-box-shadow: inset 0 0 3px rgba(0, 0, 0, 0.3);

  -o-box-shadow: inset 0 0 3px rgba(0, 0, 0, 0.3);

  box-shadow: inset 0 0 3px rgba(0, 0, 0, 0.3);

  -webkit-border-radius: 20px;

  -moz-border-radius: 20px;

  border-radius: 20px;

}
.flex-control-paging li a:hover {

  background: #333;

  background: rgba(0, 0, 0, 0.7);

}
.flex-control-paging li a.flex-active {

  background: #000;

  background: rgba(0, 0, 0, 0.9);

  cursor: default;

}
.flex-control-thumbs {

  margin: 5px 0 0;

  position: static;

  overflow: hidden;

}
.flex-control-thumbs li {

  width: 25%;

  float: left;
```

```css
  margin: 0;
}
.flex-control-thumbs img {
  width: 100%;
  height: auto;
  display: block;
  opacity: .7;
  cursor: pointer;
  -webkit-transition: all 1s ease;
  -moz-transition: all 1s ease;
  -ms-transition: all 1s ease;
  -o-transition: all 1s ease;
  transition: all 1s ease;
}
.flex-control-thumbs img:hover {
  opacity: 1;
}
.flex-control-thumbs .flex-active {
  opacity: 1;
  cursor: default;
}
/*
 * RESPONSIVE
@media screen and (max-width: 860px) {
  .flex-direction-nav .flex-prev {
    opacity: 1;
    left: 10px;
  }
  .flex-direction-nav .flex-next {
```

```css
  opacity: 1;

  right: 10px;

 }

}
```

LIGHTBOX

```css
html.lb-disable-scrolling {

 overflow: hidden;

 /* Position fixed required for iOS. Just putting overflow: hidden; on the body is not enough.
*/

 position: fixed;

 height: 100vh;

 width: 100vw;

}

.lightboxOverlay {

 position: absolute;

 top: 0;

 left: 0;

 z-index: 9999;

 background-color: black;

 filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=95);

 opacity: 0.95;

 display: none;

}

.lightbox {

 position: absolute;
```

```css
  left: 0;
  width: 100%;
  z-index: 10000;
  text-align: center;
  line-height: 0;
  font-weight: normal;
}

.lightbox .lb-image {
  display: block;
  height: auto;
  max-width: inherit;
  max-height: none;
  border-radius: 5px;
}

.lightbox a img {
  border: none;
}

.lb-outerContainer {
  position: relative;
  *zoom: 1;
  width: 250px;
  height: 250px;
  margin: 0 auto;
  border-radius: 4px;
  background-color: white;
}
```

```css
.lb-outerContainer:after {
  content: "";
  display: table;
  clear: both;
}

.lb-loader {
  position: absolute;
  top: 43%;
  left: 0;
  height: 25%;
  width: 100%;
  text-align: center;
  line-height: 0;
}

.lb-cancel {
  display: block;
  width: 32px;
  height: 32px;
  margin: 0 auto;
  background: url(../images/loading.gif) no-repeat;
}

.lb-nav {
  position: absolute;
  top: 0;
  left: 0;
```

```css
  height: 100%;
  width: 100%;
  z-index: 10;
}


.lb-container > .nav {
  left: 0;
}


.lb-nav a {
  outline: none;
  background-image:
url('data:image/gif;base64,R0lGODlhAQABAPAAAP///wAAACH5BAEAAAALAAAAAA
BAAEAAAICRAEAOw==');
}


.lb-prev, .lb-next {
  height: 100%;
  cursor: pointer;
  display: block;
}


.lb-nav a.lb-prev {
  width: 34%;
  left: 0;
  float: left;
  background: url(../images/prev.png) left 48% no-repeat;
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=0);
  opacity: 0;
```

```css
  -webkit-transition: opacity 0.6s;
  -moz-transition: opacity 0.6s;
  -o-transition: opacity 0.6s;
  transition: opacity 0.6s;
}


.lb-nav a.lb-prev:hover {
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);
  opacity: 1;
}


.lb-nav a.lb-next {
  width: 64%;
  right: 0;
  float: right;
  background: url(../images/next.png) right 48% no-repeat;
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=0);
  opacity: 0;
  -webkit-transition: opacity 0.6s;
  -moz-transition: opacity 0.6s;
  -o-transition: opacity 0.6s;
  transition: opacity 0.6s;
}


.lb-nav a.lb-next:hover {
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);
  opacity: 1;
}
```

```css
.lb-dataContainer {
  margin: 0 auto;
  padding-top: 5px;
  *zoom: 1;
  width: 100%;
  border-bottom-left-radius: 4px;
  border-bottom-right-radius: 4px;
}


.lb-dataContainer:after {
  content: "";
  display: table;
  clear: both;
}


.lb-data {
  padding: 0 4px;
  color: #ccc;
}


.lb-data .lb-details {
  margin-top: 10px;
  width: 85%;
  float: left;
  text-align: left;
  line-height: 1.1em;
}


.lb-data .lb-caption {
```

```css
  font-size: 13px;
  font-weight: bold;
  line-height: 1em;
}


.lb-data .lb-caption a {
  color: #4ae;
}


.lb-data .lb-number {
  display: block;
  clear: left;
  padding-bottom: 1em;
  font-size: 12px;
  color: #999999;
}


.lb-data .lb-close {
  display: block;
  float: right;
  width: 30px;
  height: 30px;
  margin-top: 15px;
  background: url(../images/close.png) top right no-repeat;
  text-align: right;
  outline: none;
  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=70);
  opacity: 0.7;
  -webkit-transition: opacity 0.2s;
```

```
  -moz-transition: opacity 0.2s;

  -o-transition: opacity 0.2s;

  transition: opacity 0.2s;

}


.lb-data .lb-close:hover {

  cursor: pointer;

  filter: progid:DXImageTransform.Microsoft.Alpha(Opacity=100);

  opacity: 1;

}
```

OWL

```
/**

 * Owl Carousel v2.3.4

 * Copyright 2013-2018 David Deutsch

 * Licensed under: SEE LICENSE IN

https://github.com/OwlCarousel2/OwlCarousel2/blob/master/LICENSE

 */

/*

 *  Owl Carousel - Core

 */

.owl-carousel {

  display: none;

  width: 100%;

  -webkit-tap-highlight-color: transparent;

  /* position relative and z-index fix webkit rendering fonts issue */

  position: relative;

  z-index: 1; }

  .owl-carousel .owl-stage {

    position: relative;
```

```css
  -ms-touch-action: pan-Y;

  touch-action: manipulation;

  backface-visibility: hidden;

  /* fix firefox animation glitch */ }

.owl-carousel .owl-stage:after {

  content: ".";

  display: block;

  clear: both;

  visibility: hidden;

  line-height: 0;

  height: 0; }

.owl-carousel .owl-stage-outer {

  position: relative;

  overflow: hidden;

  /* fix for flashing background */

  transform: translate3d(0px, 0px, 0px); }

.owl-carousel .owl-wrapper,

.owl-carousel .owl-item {

  backface-visibility: hidden;

  -moz-backface-visibility: hidden;

  -ms-backface-visibility: hidden;

  transform: translate3d(0, 0, 0);

  -moz-transform: translate3d(0, 0, 0);

  -ms-transform: translate3d(0, 0, 0); }

.owl-carousel .owl-item {

  position: relative;

  min-height: 1px;

  float: left;

  backface-visibility: hidden;
```

```css
  -webkit-tap-highlight-color: transparent;

  -webkit-touch-callout: none; }

.owl-carousel .owl-item img {

  display: block;

  width: 100%; }

.owl-carousel .owl-nav.disabled,

.owl-carousel .owl-dots.disabled {

  display: none; }

.owl-carousel .owl-nav .owl-prev,

.owl-carousel .owl-nav .owl-next,

.owl-carousel .owl-dot {

  cursor: pointer;

  -webkit-user-select: none;

  -khtml-user-select: none;

  -moz-user-select: none;

  -ms-user-select: none;

  user-select: none; }

.owl-carousel .owl-nav button.owl-prev,

.owl-carousel .owl-nav button.owl-next,

.owl-carousel button.owl-dot {

  background: none;

  color: inherit;

  border: none;

  padding: 0 !important;

  font: inherit; }

.owl-carousel.owl-loaded {

  display: block; }

.owl-carousel.owl-loading {

  opacity: 0;
```

```css
  display: block; }
 .owl-carousel.owl-hidden {
   opacity: 0; }
 .owl-carousel.owl-refresh .owl-item {
   visibility: hidden; }
 .owl-carousel.owl-drag .owl-item {
   -ms-touch-action: pan-y;
      touch-action: pan-y;
   -webkit-user-select: none;
   -moz-user-select: none;
   -ms-user-select: none;
   user-select: none; }
 .owl-carousel.owl-grab {
   cursor: move;
   cursor: grab; }
 .owl-carousel.owl-rtl {
   direction: rtl; }
 .owl-carousel.owl-rtl .owl-item {
   float: right; }

/* No Js */
.no-js .owl-carousel {
  display: block; }

/*
 *  Owl Carousel - Animate Plugin
 */
.owl-carousel .animated {
  animation-duration: 1000ms;
```

```css
  animation-fill-mode: both; }

.owl-carousel .owl-animated-in {
 z-index: 0; }

.owl-carousel .owl-animated-out {
 z-index: 1; }

.owl-carousel .fadeOut {
 animation-name: fadeOut; }

@keyframes fadeOut {
 0% {
  opacity: 1; }
 100% {
  opacity: 0; } }

/*
 *    Owl Carousel - Auto Height Plugin
 */
.owl-height {
 transition: height 500ms ease-in-out; }

/*
 *    Owl Carousel - Lazy Load Plugin
 */

/*
```

```
 *      Owl Carousel - Video Plugin
 */
.owl-carousel .owl-video-wrapper {
 position: relative;
 height: 100%;
 background: #000; }


.owl-carousel .owl-video-play-icon {
 position: absolute;
 height: 80px;
 width: 80px;
 left: 50%;
 top: 50%;
 margin-left: -40px;
 margin-top: -40px;
 background: url("owl.video.play.png") no-repeat;
 cursor: pointer;
 z-index: 1;
 backface-visibility: hidden;
 transition: transform 100ms ease; }


.owl-carousel .owl-video-play-icon:hover {
 -ms-transform: scale(1.3, 1.3);
    transform: scale(1.3, 1.3); }


.owl-carousel .owl-video-playing .owl-video-tn,
.owl-carousel .owl-video-playing .owl-video-play-icon {
 display: none; }
```

```css
.owl-carousel .owl-video-tn {

 opacity: 0;

 height: 100%;

 background-position: center center;

 background-repeat: no-repeat;

 background-size: contain;

 transition: opacity 400ms ease; }


.owl-carousel .owl-video-frame {

 position: relative;

 z-index: 1;

 height: 100%;

 width: 100%; }
```

STYLE

```css
 body {
    font-family: 'Montserrat', sans-serif;
 }

 /* Basic */

 a {
    color: #3CF;
    text-decoration: none;
 }

 a:hover {
    color: #FC3;
    text-decoration: none;
 }

 ul {
    padding: 0px;
    margin: 0px;
```

```css
    list-style: none;
}

p {
    font-size: 13px;
    line-height: 22px;
}


.section-heading {
    text-align: center;
    margin-bottom: 70px;
}

.section-heading h2:before {
    width: 1px;
    height: 100px;
    background-color: rgba(250,250,250,0.1);
    position: absolute;
    top: -102px;
    content: '';
    left: 50%;
    transform: translate(-50%);
}

.section-heading h2 {
    margin-top: 100px;
    position: relative;
    font-size: 18px;
    font-weight: 500;
    color: #fff;
    letter-spacing: 0.5px;
    display: inline-block;
    padding: 15px 20px;
    border: 2px solid rgba(250,250,250,0.1);
}


/* Buttons */

.main-button a {
    background-color: #f5a425;
    color: #fff;
```

```css
    font-size: 13px;
    text-transform: uppercase;
    letter-spacing: 0.5px;
    font-weight: 700;
    padding: 12px 20px;
    display: inline-block;
    outline: none;
}

a.menu-link { display: none; }

@media screen and (max-width: 950px) {
 a.menu-link {
   float: right;
   display: block;
   font-size: 36px;
   color: #fff;
   padding-right: 30px;
   padding-top: 15px;
 }
 nav[role="navigation"] {
   clear: both;
   -webkit-transition: all 0.3s ease-out;
   -moz-transition: all 0.3s ease-out;
   -ms-transition: all 0.3s ease-out;
   -o-transition: all 0.3s ease-out;
   transition: all 0.3s ease-out;
 }
 .js nav[role="navigation"] {
   overflow: hidden;
   max-height: 0;
 }
 nav[role="navigation"].active {
   max-height: 20em;
   height: 20em;
   overflow-y: scroll;
 }
 nav[role="navigation"] ul {
   top: 0;
   width: 100%;
   position: relative;
   margin: 0;
   padding: 0;
```

```css
    border-top: 1px solid rgba(250,250,250,0.25);
    background-color: rgba(22,34,57,0.99);
  }
  nav[role="navigation"] li a {
    display: block;
    padding: 15px 0px;
    border-bottom: 1px solid rgba(250,250,250,0.25);
    text-align: center;
    color: #fff;
    font-size: 13px;
    text-transform: uppercase;
    font-weight: 700;
    line-height: 1.5;
  }
  nav[role="navigation"] li:hover a,
  nav[role="navigation"] li.active a {
      color: #f5a425;
  }

  @media screen and (min-width: 951px) {
    .js nav[role="navigation"] {
      max-height: none;
    }

    nav[role="navigation"] li {
      display: inline-block;
      margin: 0 0.25em;
    }
    nav[role="navigation"] li a {
      border: 0;
    }
  }
}

/* Header */

@media screen and (max-width: 1050px) {
  .main-header .logo {
      padding-left: 30px!important;
  }

  .main-menu {
      padding-right: 30px!important;
```

```css
  }

  .main-menu li {
     margin-left: 5px!important;
  }
}

.main-header {
   background-color: rgba(22,34,57,0.95);
   height: 80px;
   position: fixed;
   z-index: 12;
   width: 100%;
   top: 0;
}

.main-header .logo {
   float: left;
   line-height: 80px;
   padding-left: 60px;
}

.main-header .logo a {
   font-size: 36px;
   text-transform: uppercase;
   font-weight: 800;
   color: #fff;
}
.main-header .logo a em {
   font-style: normal;
   color: #f5a425;
}

.main-menu {
   float: right;
   padding-right: 60px;
}

.main-menu li {
   display: inline-block;
   line-height: 79px;
   margin-left: 15px;
   position: relative;
```

```
}

.main-menu li:first-child {
   margin-left: 0px;
}

.main-menu li a {
   padding: 10px 15px;
   font-size: 13px;
   text-transform: uppercase;
   letter-spacing: 0.5px;
   font-weight: 700;
   color: #fff;
   border: 2px solid transparent;
   transition: all 0.5s;
}

.main-menu li.has-submenu a:after {
   content: '\f107';
   font-family: "FontAwesome";
   margin-left: 5px;
}

.main-menu li.has-submenu ul li a:after {
   display: none;
}

.main-menu li .sub-menu {
   position: absolute;
   width: 160px;
   background-color: #18233a;
   opacity: 0;
   visibility: hidden;
   transition: all 0.5s;
}

.main-menu li:hover .sub-menu {
   opacity: 1;
   visibility: visible;
}

.main-menu li .sub-menu li {
   display: block;
```

```css
    line-height: 20px;
    margin-left: 0px;
    margin-bottom: 15px;
    padding-bottom: 15px;
    border-bottom: 1px solid #121b2f;
}

.main-menu li .sub-menu li:first-child {
    padding-top: 15px;
}

.main-menu li .sub-menu li:last-child {
    margin-bottom: 0px;
    border-bottom: none;
}

.main-menu li .sub-menu li a {
    font-size: 12px;
    font-weight: 500;
    padding: 0px 15px;
    letter-spacing: 0.5px;
    border: none;
    transition: all 0.5s;
}

.main-menu li .sub-menu li a:hover {
    color: #f5a425;
    border: none;
}

.main-nav li:hover a,
.main-nav li.active a {
    border: 2px solid #f5a425;
}

@media (max-width: 950px) {
 .main-nav li:hover a,
 .main-nav li.active a {
   border: 2px solid transparent;
   border-bottom: 1px solid rgba(250,250,250,0.25);
 }
}
```

```css
/* Slider */

.main-banner {
  position: relative;
  max-height: 100%;
  overflow: hidden;
  margin-bottom: -7px;
}

#bg-video {
    min-width: 100%;
    min-height: 100vh;
    max-width: 100%;
    max-height: 100vh;
    object-fit: cover;
    z-index: -1;
}

#bg-video::-webkit-media-controls {
    display: none !important;
}

.video-overlay {
    position: absolute;
    background-color: rgba(22,34,57,0.85);
    top: 0;
    left: 0;
    bottom: 7px;
    width: 100%;
}

.main-banner .caption {
  text-align: center;
  position: absolute;
  width: 80%;
  left: 50%;
  top: 50%;
  transform: translate(-50%,-50%);
}

.main-banner .caption h6 {
  margin-top: 0px;
```

```css
  font-size: 18px;
  text-transform: uppercase;
  font-weight: 600;
  color: #fff;
  letter-spacing: 1px;
}

.main-banner .caption h2 {
  margin-top: 30px;
  margin-bottom: 30px;
  font-size: 64px;
  text-transform: uppercase;
  font-weight: 800;
  color: #fff;
  letter-spacing: 1px;
}

.main-banner .caption h2 em {
  font-style: normal;
  color: #f5a425;
  font-weight: 900;
}

@media screen and (max-width: 1180px) {

  .main-banner .caption h6 {
    font-weight: 500;
  }

  .main-banner .caption h2 {
    font-size: 58px;
  }

}
@media screen and (max-width: 767px) {

  .main-banner .caption h6 {
    font-weight: 500;
  }

  .main-banner .caption h2 {
    font-size: 36px;
  }
```

```css
}


/* Features */

section.features .col-4 {
   padding-left: 0px;
   padding-right: 0px;
}

.features-post {
 position: relative;
 margin-bottom: 0px;
}

.features-thumb {
 overflow: hidden;
 position: relative;
}

.features-thumb img {
 width: 100%;
}

.features-content {
 position: absolute;
 bottom: 0;
 left: 0;
 width: 100%;
 background-color: #0c1228;
 color: #fff;
 padding: 40px;
}

.features-content:hover {
   background-color: #f5a425;
   box-shadow: 0px 0px 30px rgba(0,0,0,0.5);
}

.features-content h4 {
   font-size: 16px;
   text-transform: uppercase;
```

```css
    font-weight: 700;
    color: #fff;
    letter-spacing: 1px;
    margin-bottom: 0px;
}

.features-content h4 i {
    margin-right: 15px;
    font-size: 24px;
}

.features-content p {
    margin-bottom: 0px;
}

.features-content a {
  margin-top: 15px;
  display: inline-block;
  text-transform: uppercase;
  color: #fff;
  letter-spacing: 0.5px;
  font-weight: 700;
  font-size: 14px;
  border-bottom: 2px solid #fff;
}

.features-content p.hidden-sm {
  display: none;
}

.second-features,
.third-features {
    border-left: 1px solid rgba(250,250,250,0.1);
}

.content-hide {
  margin-top: 15px;
  display: none;
}

.content-hide p {
  color: #fff;
}
```

```css
@media screen and (max-width: 767px) {

  .features-content {
   padding: 15px;
  }
  .features-content h4 i {
   display: block;
   margin-bottom: 10px;
  }
  .features-content h4 {
   font-size: 14px;
  }
  .features-content p {
   display: none;
  }
  .features-content p.hidden-sm {
   display: block;
  }
  .features-content a {
   letter-spacing: 0px;
   font-size: 13px;
   font-weight: 600;
  }

}



/* Why Choosing Us */

section.why-us {
   background-image: url(../images/choosing-bg.jpg);
   background-color: #172238;
   background-repeat: no-repeat;
   background-size: cover;
   padding-bottom: 100px;
}

#tabs {
 text-align: center;
}
#tabs ul {
```

```css
  margin: 0;
  padding: 0;
  -webkit-column-count: 3;
  -moz-column-count: 3;
  column-count: 3;
  -webkit-column-gap: 0;
  -moz-column-gap: 0;
  column-gap: 0;
}
#tabs ul::after {
  clear: both;
  content: "";
  display: table;
}
#tabs ul li {
  display: block;
  font-weight: 400;
  font-size: 1.2em;
  letter-spacing: 1px;
  text-align: center;
}
#tabs ul li a {
  display: block;
  font-size: 13px;
  font-weight: 700;
  letter-spacing: 1px;
  cursor: pointer;
  outline: 0;
  padding-bottom: 30px;
  color: #fff;
  text-decoration: none;
  text-transform: uppercase;
  position: relative;
}
#tabs ul li a:after {
  transition: all 0.3s;
  width: 10px;
  height: 10px;
  background-color: #fff;
  content: ";
  position: absolute;
  left: 50%;
  transform: translate(-50%);
```

```css
        bottom: 0;
}
#tabs ul li a:before {
        transition: all 0.3s;
        width: 25px;
        height: 25px;
        border: 2px solid transparent;
        background-color: transparent;
        content: '';
        position: absolute;
        left: 50%;
        transform: translate(-50%);
        bottom: -5px;
}
#tabs ul li span {
    display: block;
    margin-bottom: 0.75em;
}

#tabs ul .ui-tabs-active a {
    color: #f5a425;
}
#tabs ul .ui-tabs-active a:after {
    background-color: #f5a425;
    width: 15px;
    height: 15px;
}
#tabs ul .ui-tabs-active a:before {
    border-color: #f5a425;
}
#tabs h4 {
        margin-top: 60px;
        font-size: 32px;
        font-weight: 700;
        letter-spacing: 1px;
        color: #fff;
        margin-bottom: 30px;
}

#tabs p {
        color: #fff;
        font-size: 15px;
        line-height: 28px;
```

```css
}

.tabs-content {
    margin-top: 60px;
    text-align: left;
}

@media screen and (max-width: 767px) {

  .tabs-content {
      text-align: center;
  }

}

.tabs-content img {
    width: 100%;
    overflow: hidden;
    padding-right: 45px;
}

@media screen and (max-width: 767px) {

  .tabs-content img {
      padding-right: 0px;
  }

}


/* Coming Soon */

section.coming-soon {
    background-image:
url(https://www.pandasecurity.com/en/mediacenter/src/uploads/2021/04/types-of-
phishing-hero.jpg);
    background-repeat: no-repeat;
    background-size: cover;
    background-color: #172238;
    padding: 120px 0px;
}

section.coming-soon .continer .counter div {
```

```css
  display: inline-block;
}
section.coming-soon .continer h4 {
  margin-top: 100px;
  font-size: 30px;
  color: #fff;
  font-weight: 800;
  letter-spacing: 0.5px;
  line-height: 40px;
  margin-bottom: 50px;
}
section.coming-soon .continer h4 em {
  font-style: normal;
  color: #f5a425;
}

@media screen and (max-width: 767px) {

  section.coming-soon .continer h4 {
    text-align: center;
  }

}

section.coming-soon .continer .counter .days,
section.coming-soon .continer .counter .hours,
section.coming-soon .continer .counter .minutes,
section.coming-soon .continer .counter .seconds {
  width: 22%;
  height: 140px;
  float: left;
  text-align: center;
  font-size: 48px;
  font-weight: 800;
  letter-spacing: 1px;
  color: #fff;
  background-color: rgba(250,250,250,0.1);
}
@media screen and (max-width: 992px) {

  section.coming-soon .continer .counter .days,
  section.coming-soon .continer .counter .hours,
  section.coming-soon .continer .counter .minutes,
```

```css
section.coming-soon .continer .counter .seconds {
  font-size: 26px;
}

section.coming-soon .continer .counter .days .value,
section.coming-soon .continer .counter .hours .value,
section.coming-soon .continer .counter .minutes .value,
section.coming-soon .continer .counter .seconds .value {
    margin-top: 40px!important;
}

section.coming-soon .continer .counter span {
    font-size: 14px!important;
}

}
section.coming-soon .continer .counter .days,
section.coming-soon .continer .counter .hours,
section.coming-soon .continer .counter .minutes {
    margin-right: 4%;
}
section.coming-soon .continer .counter .days .value,
section.coming-soon .continer .counter .hours .value,
section.coming-soon .continer .counter .minutes .value,
section.coming-soon .continer .counter .seconds .value {
    margin-top: 15px;
    display: block;
    width: 100%;
}

section.coming-soon .continer .counter span {
    font-size: 18px;
    text-transform: uppercase;
    color: #f5a425;
    font-weight: 500;
    letter-spacing: 1px;
    margin-top: 0px;
    display: block;
}

section.coming-soon .right-content {
    margin-left: 30px;
}
```

```css
@media screen and (max-width: 767px) {

  section.coming-soon .right-content {
     margin-top: 60px;
     margin-left: 0px;
  }

}

section.coming-soon .top-content {
   margin-bottom: -8px;
}

section.coming-soon .top-content h6 {
   font-size: 14px;
   color: #fff;
   background-color: rgba(250,250,250,0.2);
   padding: 40px;
   text-align: center;
   line-height: 24px;
}

section.coming-soon .top-content h6 em {
   font-style: normal;
   font-weight: 600;
}

section.coming-soon form {
   background-color: rgba(250,250,250,0.1);
   padding: 60px 40px;
   width: 100%;
   text-align: center;
}

section.coming-soon form input {
   width: 100%;
   height: 40px;
   background-color: rgba(250,250,250,0.1);
   border-radius: 0px;
   border: none;
   outline: none;
   color: #fff;
```

```css
    font-size: 13px;
    margin-bottom: 20px;
    letter-spacing: 0.5px;
}

section.coming-soon form input:focus {
    outline: none;
    border: none;
    box-shadow: none;
    color: #fff;
    background-color: rgba(250,250,250,0.1);
}

section.coming-soon form::placeholder { color: #fff }
section.coming-soon form input::placeholder { color: #fff; }
section.coming-soon form input::placeholder { color: #fff; }

section.coming-soon form button {
    margin-top: 10px;
    background-color: #f5a425;
    color: #fff;
    font-size: 13px;
    text-transform: uppercase;
    letter-spacing: 0.5px;
    font-weight: 700;
    padding: 12px 20px;
    display: inline-block;
    outline: none;
    box-shadow: none;
    border: none;
}

/* Courses */

section.courses {
    background-image: url(../images/choosing-bg.jpg);
    background-repeat: no-repeat;
    background-size: cover;
    background-color: #172238;
    padding-bottom: 100px;
    padding: 0px 30px 100px 30px;
```

```css
}

section.courses .item img {
    border-top-right-radius: 5px;
    border-top-left-radius: 5px;
}

section.courses .item .down-content {
    padding: 30px;
    background-color: #fff;
    border-bottom-right-radius: 5px;
    border-bottom-left-radius: 5px;
}

section.courses .item .down-content h4 {
    font-size: 16px;
    text-transform: uppercase;
    color: #1e1e1e;
    letter-spacing: 0.5px;
    font-weight: 700;
    margin-top: 0px;
    margin-bottom: 20px;
}

section.courses .item .down-content p {
    margin-bottom: 25px;
}

section.courses .item .down-content img {
    width: 40px;
    border: 2px solid #f5a425;
    border-radius: 50%;
    text-align: left;
    display: inline-block;
}

section.courses .item .down-content .text-button-pay {
    display: inline-block;
    margin-top: -30px;
}

section.courses .item .down-content .text-button-pay a {
    color: #f5a425;
```

```css
    font-size: 13px;
}

section.courses .item .down-content .text-button-free {
    display: inline-block;
    margin-top: -30px;
}

section.courses .item .down-content .text-button-free a {
    color: #7a7a7a;
    font-size: 13px;
}

section.courses .owl-carousel .owl-nav {
    display: none;
}

section.courses .owl-carousel .owl-dots {
    text-align: center;
}

section.courses .owl-carousel button.owl-dot {
    width: 10px;
    height: 10px;
    background-color: #fff;
    margin: 50px 10px 0px 10px;
    outline: none;
}
section.courses .owl-carousel button.active {
    background-color: #f5a425;
}
```

/* Video */

```css
section.video {
    background-image: url(../images/video-bg.jpg);
    background-repeat: no-repeat;
    background-size: cover;
    background-color: #172238;
```

```css
    padding: 120px 0px;
}

section.video .left-content {
  color: #fff;
}

section.video .left-content span {
  text-transform: uppercase;
  font-size: 14px;
  letter-spacing: 0.5px;
}

section.video .left-content h4 {
    margin-top: 20px;
    font-size: 30px;
    color: #fff;
    font-weight: 800;
    letter-spacing: 0.5px;
    line-height: 40px;
    margin-bottom: 20px;
}
section.video .left-content h4 em {
    font-style: normal;
    color: #f5a425;
}

section.video .left-content .main-button {
  margin-top: 30px;
}

.video-item {
  position: relative;
  width: 100%;
  max-width: 600px;
  margin: 0px auto 0;
}

@media screen and (max-width: 767px) {

  section.video .left-content {
    margin-bottom: 45px;
  }
```

```css
  section.video .first-item .first-content h4,
  section.video .second-item .second-content h4 {
    text-align: center;
  }

}

.video-item figure {
  position: relative;
  width: 100%;
  font-size: 0;
}
.video-item figure img {
  width: 100%;
}
.video-item figure a:before {
  content: '';
  position: absolute;
  bottom: 10px;
  right: 15px;
  width: 60px;
  height: 60px;
  margin-top: -32.5px;
  margin-left: -32.5px;
  border-radius: 50%;
  background-color: #f5a425;
  z-index: 10;
}
.video-item figure a:after {
  content: '';
  position: absolute;
  bottom: 27.5px;
  right: 20px;
  margin-top: -12.5px;
  margin-left: -7px;
  border: solid 13px transparent;
  border-left: solid 20px;
  border-left-color: #fff;
  z-index: 10;
}
.video-item figure a:hover:before {
  background-color: #f5a425;
```

```css
}

.video-item .video-caption {
   position: absolute;
   z-index: 10;
   background-color: rgba(250,250,250,0.75);
   height: 80px;
   width: 100%;
   padding: 27px 30px;
   bottom: 0;
}

.video-item .video-caption h4 {
   font-size: 20px;
   text-transform: uppercase;
   font-weight: 700;
   letter-spacing: 1px;
}

/* Magnific Popup CSS */
.mfp-bg {
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  z-index: 1042;
  overflow: hidden;
  position: fixed;
  background: #0b0b0b;
  opacity: 0.8;
}

.mfp-wrap {
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  z-index: 1043;
  position: fixed;
  outline: none !important;
}

.mfp-container {
```

```css
  text-align: center;
  position: absolute;
  width: 100%;
  height: 100%;
  left: 0;
  top: 0;
  padding: 0 8px;
  box-sizing: border-box;
}

.mfp-container:before {
  content: '';
  display: inline-block;
  height: 100%;
  vertical-align: middle;
}

.mfp-align-top .mfp-container:before {
  display: none;
}

.mfp-content {
  position: relative;
  display: inline-block;
  vertical-align: middle;
  margin: 0 auto;
  text-align: left;
  z-index: 1045;
}

.mfp-inline-holder .mfp-content,
.mfp-ajax-holder .mfp-content {
  width: 100%;
  cursor: auto;
}

.mfp-ajax-cur {
  cursor: progress;
}

.mfp-zoom-out-cur, .mfp-zoom-out-cur .mfp-image-holder .mfp-close {
  cursor: -moz-zoom-out;
  cursor: -webkit-zoom-out;
```

```css
  cursor: zoom-out;
}

.mfp-zoom {
  cursor: pointer;
  cursor: -webkit-zoom-in;
  cursor: -moz-zoom-in;
  cursor: zoom-in;
}

.mfp-auto-cursor .mfp-content {
  cursor: auto;
}

.mfp-close,
.mfp-arrow,
.mfp-preloader,
.mfp-counter {
  -webkit-user-select: none;
  -moz-user-select: none;
  user-select: none;
}

.mfp-loading.mfp-figure {
  display: none;
}

.mfp-hide {
  display: none !important;
}

.mfp-preloader {
  color: #CCC;
  position: absolute;
  top: 50%;
  width: auto;
  text-align: center;
  margin-top: -0.8em;
  left: 8px;
  right: 8px;
  z-index: 1044;
}
```

```css
.mfp-preloader a {
  color: #CCC;
}

.mfp-preloader a:hover {
  color: #FFF;
}

.mfp-s-ready .mfp-preloader {
  display: none;
}

.mfp-s-error .mfp-content {
  display: none;
}

button.mfp-close,
button.mfp-arrow {
  overflow: visible;
  cursor: pointer;
  background: transparent;
  border: 0;
  display: block;
  outline: none;
  padding: 0;
  z-index: 1046;
  box-shadow: none;
  touch-action: manipulation;
}

button::-moz-focus-inner {
  padding: 0;
  border: 0;
}

.mfp-close {
  width: 44px;
  height: 44px;
  line-height: 44px;
  position: absolute;
  right: 0;
  top: 0;
  text-decoration: none;
```

```css
  text-align: center;
  opacity: 0.65;
  padding: 0 0 18px 10px;
  color: #FFF;
  font-style: normal;
  font-size: 28px;
  font-family: Arial, Baskerville, monospace;
}

.mfp-close:hover,
.mfp-close:focus {
  opacity: 1;
}

.mfp-close:active {
  top: 1px;
}

.mfp-close-btn-in .mfp-close {
  color: #333;
}

.mfp-image-holder .mfp-close,
.mfp-iframe-holder .mfp-close {
  color: #FFF;
  right: -6px;
  text-align: right;
  padding-right: 6px;
  width: 100%;
}

.mfp-counter {
  position: absolute;
  top: 0;
  right: 0;
  color: #CCC;
  font-size: 12px;
  line-height: 18px;
  white-space: nowrap;
}

.mfp-arrow {
  position: absolute;
```

```css
  opacity: 0.65;
  margin: 0;
  top: 50%;
  margin-top: -55px;
  padding: 0;
  width: 90px;
  height: 110px;
  -webkit-tap-highlight-color: transparent;
}

.mfp-arrow:active {
  margin-top: -54px;
}

.mfp-arrow:hover,
.mfp-arrow:focus {
  opacity: 1;
}

.mfp-arrow:before,
.mfp-arrow:after {
  content: ";
  display: block;
  width: 0;
  height: 0;
  position: absolute;
  left: 0;
  top: 0;
  margin-top: 35px;
  margin-left: 35px;
  border: medium inset transparent;
}

.mfp-arrow:after {
  border-top-width: 13px;
  border-bottom-width: 13px;
  top: 8px;
}

.mfp-arrow:before {
  border-top-width: 21px;
  border-bottom-width: 21px;
  opacity: 0.7;
```

```css
}

.mfp-arrow-left {
  left: 0;
}

.mfp-arrow-left:after {
  border-right: 17px solid #FFF;
  margin-left: 31px;
}

.mfp-arrow-left:before {
  margin-left: 25px;
  border-right: 27px solid #3F3F3F;
}

.mfp-arrow-right {
  right: 0;
}

.mfp-arrow-right:after {
  border-left: 17px solid #FFF;
  margin-left: 39px;
}

.mfp-arrow-right:before {
  border-left: 27px solid #3F3F3F;
}

.mfp-iframe-holder {
  padding-top: 40px;
  padding-bottom: 40px;
}

.mfp-iframe-holder .mfp-content {
  line-height: 0;
  width: 100%;
  max-width: 900px;
}

.mfp-iframe-holder .mfp-close {
  top: -40px;
}
```

```css
.mfp-iframe-scaler {
  width: 100%;
  height: 0;
  overflow: hidden;
  padding-top: 56.25%;
}

.mfp-iframe-scaler iframe {
  position: absolute;
  display: block;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  box-shadow: 0 0 8px rgba(0, 0, 0, 0.6);
  background: #000;
}

/* Main image in popup */
img.mfp-img {
  width: auto;
  max-width: 100%;
  height: auto;
  display: block;
  line-height: 0;
  box-sizing: border-box;
  padding: 40px 0 40px;
  margin: 0 auto;
}

/* The shadow behind the image */
.mfp-figure {
  line-height: 0;
}

.mfp-figure:after {
  content: '';
  position: absolute;
  left: 0;
  top: 40px;
  bottom: 40px;
  display: block;
```

```css
  right: 0;
  width: auto;
  height: auto;
  z-index: -1;
  box-shadow: 0 0 8px rgba(0, 0, 0, 0.6);
  background: #444;
}

.mfp-figure small {
  color: #BDBDBD;
  display: block;
  font-size: 12px;
  line-height: 14px;
}

.mfp-figure figure {
  margin: 0;
}

.mfp-bottom-bar {
  margin-top: -36px;
  position: absolute;
  top: 100%;
  left: 0;
  width: 100%;
  cursor: auto;
}

.mfp-title {
  text-align: left;
  line-height: 18px;
  color: #F3F3F3;
  word-wrap: break-word;
  padding-right: 36px;
}

.mfp-image-holder .mfp-content {
  max-width: 100%;
}

.mfp-gallery .mfp-image-holder .mfp-figure {
  cursor: pointer;
}
```

```css
@media screen and (max-width: 800px) and (orientation: landscape), screen and (max-height: 300px) {
  /**
      * Remove all paddings around the image on small screen
      */
  .mfp-img-mobile .mfp-image-holder {
    padding-left: 0;
    padding-right: 0;
  }

  .mfp-img-mobile img.mfp-img {
    padding: 0;
  }

  .mfp-img-mobile .mfp-figure:after {
    top: 0;
    bottom: 0;
  }

  .mfp-img-mobile .mfp-figure small {
    display: inline;
    margin-left: 5px;
  }

  .mfp-img-mobile .mfp-bottom-bar {
    background: rgba(0, 0, 0, 0.6);
    bottom: 0;
    margin: 0;
    top: auto;
    padding: 3px 5px;
    position: fixed;
    box-sizing: border-box;
  }

  .mfp-img-mobile .mfp-bottom-bar:empty {
    padding: 0;
  }

  .mfp-img-mobile .mfp-counter {
    right: 5px;
    top: 3px;
  }
```

```css
  .mfp-img-mobile .mfp-close {
   top: 0;
   right: 0;
   width: 35px;
   height: 35px;
   line-height: 35px;
   background: rgba(0, 0, 0, 0.6);
   position: fixed;
   text-align: center;
   padding: 0;
  }
}
@media all and (max-width: 900px) {
 .mfp-arrow {
  -webkit-transform: scale(0.75);
  transform: scale(0.75);
 }

 .mfp-arrow-left {
  -webkit-transform-origin: 0;
  transform-origin: 0;
 }

 .mfp-arrow-right {
  -webkit-transform-origin: 100%;
  transform-origin: 100%;
 }

 .mfp-container {
  padding-left: 6px;
  padding-right: 6px;
 }
}


/* Contact */

section.contact {
   background-image: url(../images/contact-bg.jpg);
   background-repeat: no-repeat;
   background-size: cover;
```

```css
    background-color: #172238;
    padding-bottom: 120px;
}


section.contact form {
    background-color: rgba(250,250,250,0.1);
    padding: 30px;
    width: 100%;
}


@media screen and (max-width: 767px) {
  section.contact form {
      margin-bottom: 30px;
  }
}

section.contact form input {
    width: 100%;
    height: 40px;
    background-color: rgba(250,250,250,0.1);
    border-radius: 0px;
    border: none;
    outline: none;
    color: #fff;
    font-size: 13px;
    margin-bottom: 30px;
    letter-spacing: 0.5px;
}

section.contact form textarea {
    width: 100%;
    height: 220px;
    max-height: 280px;
    min-height: 220px;
    background-color: rgba(250,250,250,0.1);
    border-radius: 0px;
    border: none;
    outline: none;
    color: #fff;
    font-size: 13px;
    margin-bottom: 30px;
```

```css
    letter-spacing: 0.5px;
}

section.contact form input:focus,
section.contact form textarea:focus {
    outline: none;
    border: none;
    box-shadow: none;
    color: #fff;
    background-color: rgba(250,250,250,0.1);
}

section.contact form::placeholder { color: #fff }
section.contact form input::placeholder { color: #fff; }
section.contact form input::placeholder { color: #fff; }

section.contact form::placeholder { color: #fff }
section.contact form textarea::placeholder { color: #fff; }
section.contact form textarea::placeholder { color: #fff; }

section.contact form button {
    background-color: #f5a425;
    color: #fff;
    font-size: 13px;
    text-transform: uppercase;
    letter-spacing: 0.5px;
    font-weight: 700;
    padding: 12px 20px;
    display: inline-block;
    outline: none;
    box-shadow: none;
    border: none;
}

/* Footer */

footer {
    background-color: #152036;
    text-align: center;
}

footer p {
    margin-bottom: 0px;
```

```css
    padding: 25px 0px;
    color: #fff;
    font-size: 13px;
    text-transform: uppercase;
    font-weight: 600;
    letter-spacing: 0.5px;
}

footer p a,
footer p a:hover {
    color: #f5a425;
}

@media screen and (max-width: 992px) {
 .features { background-color: #0c1228; }
 .features-content { position: relative; }
 .features-post { border-left: 0 }
}

@media screen and (max-width: 950px) {
 .main-menu { padding-right: 0!important; }
 .main-header .logo {
   line-height: 73px;
 }
 .main-menu li {
   display: block;
   line-height: 1;
   margin-left: 0 !important;
 }

 .main-menu li .sub-menu {
   opacity: 1;
   visibility: visible;
   position: static;
   margin-left: auto;
   margin-right: auto;
   width: 100%;
 }
 .main-menu li .sub-menu li:last-child {
   border-bottom: 1px solid rgba(250,250,250,0.25);
 }
}
```

```css
@media screen and (max-width: 950px) and (max-height: 400px) {
  nav[role="navigation"].active {
    max-height: calc(80px + 100vh);
    overflow-y: auto;
  }
}

@media screen and (max-width: 767px) {
  footer p {
    font-size: 12px;
    font-weight: 600;
    letter-spacing: 0.25px;
  }
}
```

HTML CODING:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initialscale=1.0">
    <title>LOGIN PASSWORD VALIDATION | PRAROZ TUTORIAL</title>

    <link rel="stylesheet" href="css/stylec.css">
    <script src="js/validc.js"></script>

</head>
<body>
    <div class="form">
        <h1>LOGIN HERE</h1>
        <p>Username :</p>
        <input type="text" name="" placeholder="Name Here">
        <p>Password :</p>
        <input type="password" name="" placeholder="Password Here" id="pass">
        <input type="checkbox" onclick="myfunction()">
        <input type="submit" name="" value="LOGIN" onclick="validate()">
    </div>

    <div>
        <p id="length"></p>
    </div>
```

```
</body>
</html>
```

CSS FILE:
```css
*{    margin: 0;
    padding: 0;
  font-family: sans-serif;
}

body{    background: linear-
gradient(rgba(0,0,0,0.4)50%,rgba(0,0,0,0.4)50%),
url(https://blog.knowbe4.com/hubfs/iStock-1253294358.jpg);
 background-position: center;    background-size: cover;    height: 100vh;
}

.form{    width: 250px;    height: 330px;    color: #fff;
background: linear-gradient(to top,
rgba(0,0,0,0.8)50%,rgba(0,0,0,0.8)50%);    position:
absolute;    top: 50%;    left: 50%;    transform:
translate(-50%,-50%);    padding: 40px 25px;    border-
radius: 10px;
}

.form h1{    width: 220px;    text-align:
center;    padding-left: 11px;    font-size:
35px;    color: #66ff00;    margin-
bottom: 20px;
}
```

```css
.form p{    padding-bottom: -15px;

}


.form input{
    width: 100%;    height: 35px;    padding-top:
5px;    margin-bottom: 30px;    background:
transparent;    border-bottom: 1px solid #fff;
border-top: none;    border-left: none;    border-
right: none;    color: #fff;    outline: none;
font-size: 15px;    letter-spacing: 1px;

}


.form input[type="submit"]
{
    width: 60%;    margin-left: 50px;
border: none;    height: 40px;    color:
#000;    background: #fff;    font-size:
16px;    font-weight: bold;    border-
radius: 15px;

}


.form input[type="submit"]:hover{    cursor: pointer;
background: #66ff00;    color: #fff;    font-weight:
bold;

}
```

8.TESTING:

8.1 TEST CSESES

Test cases	Feature type	Test scenario	Pre-requisite	Execute	Working	Results
Login	Functional	Verify user details for opening homepage	1.Python 2.HTML 3.CSS	Enter the user ID, password for opening homepage	Login should display on the screen	Pass
Homepage	Functional	Verify the user details for opening home page for the user can enter their URL link	Integrate with flask	The user can enter URL link in our home page it shows the login websites is fake or not	It shows the user websites is phishing website or not	Pass

8.2 USER ACCEPTANCE TESTING:

DEFECT ANALYSIS

Task	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
Login	5	1	2	4	12
Homepage	4	1	7	5	17
Model Building	1	0	3	0	4
Executed the model	1	0	0	1	2
Flask(app.py)	1	2	2	2	7
Flask(ibm app.py)	0	0	1	0	1
Deploy the model	0	0	1	1	2
Total	12	4	16	13	45

TEST CASE ANALYSIS

Section	Total cases	Not tested	Fail	Pass
Login	1	0	0	Pass
Homepage	1	0	0	Pass

9.RESULTS:

PERFORMANCE METRICS:

1.Metrics:
Regression Model:

MAE-, MSE-, RMSE-, R2 Score

Classification Model:

Confusion Matrix-, Accurancy score- & Classification report-

```
cm=confusion_matrix(y_test,y_pred1)
plt.figure(figsize=(10,6))
sns.heatmap(cm, annot=True,cmap='winter',linewidths=0.3, linecolor='black',annot_kws={"size": 20})
TP=cm[0][0]
TN=cm[1][1]
FN=cm[1][0]
FP=cm[0][1]
#print(round(accuracy_score(prediction3,y_test)*100,2))
#print('Testing Accuracy for knn',(TP+TN)/(TP+TN+FN+FP))
print('Testing Sensitivity for logistic regression',(TP/(TP+FN)))
print('Testing Specificity for logistic regression',(TN/(TN+FP)))
print('Testing Precision for logistic regression',(TP/(TP+FP)))
print('Testing accuracy for logistic regression',accuracy_score(y_test,y_pred1))
```

```
Testing Sensitivity for logistic regression 0.9279835390946503
Testing Specificity for logistic regression 0.9096045197740112
Testing Precision for logistic regression 0.8895463510848126
Testing accuracy for logistic regression 0.9176843057440073
```
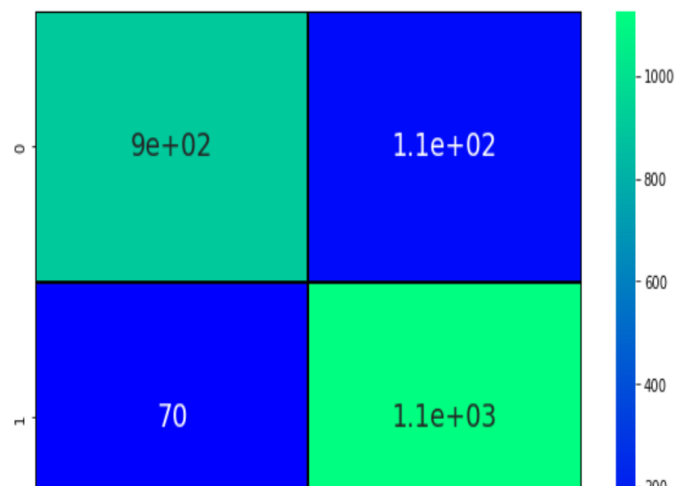
2.TUNE THE MODEL:

Hyperparameters tuning-Validation Method

```
In [58]: #HYPERPARAMETER TUNING
         grid.fit(X_train, y_train)
```

```
Out[58]:                              GridSearchCV
         GridSearchCV(cv=5,
                      estimator=GradientBoostingClassifier(learning_rate=0.7,
                                                           max_depth=4),
                      param_grid={'max_features': array([1, 2, 3, 4, 5]),
                                  'n_estimators': array([ 10,  20,  30,  40,  50,  60,  70,  80,  90, 100, 110, 120, 130,
                      140, 150, 160, 170, 180, 190, 200])})
```

```
                           estimator: GradientBoostingClassifier
         GradientBoostingClassifier(learning_rate=0.7, max_depth=4)
                               GradientBoostingClassifier
         GradientBoostingClassifier(learning_rate=0.7, max_depth=4)
```

```
In [59]: print("The best parameters are %s with a score of %0.2f"
               % (grid.best_params_, grid.best_score_))

         The best parameters are {'max_features': 5, 'n_estimators': 200} with a score of 0.97
```

10.ADVANTAGES AND DISADVANTAGES:

Advantages:

- ✓ Flexible to use
- ✓ Low false positives
- ✓ Effective detection known phishing URL
- ✓ Have list of trusted senders
- ✓ Highest accurancy
- ✓ Easy to block IP address
- ✓ Check change on MAC address
- ✓ Identifies lies and true statements

DISADVANTAGES:

- ✓ Less efficient
- ✓ Detect phishing from known sender
- ✓ Cannot detect new phishing attacks
- ✓ Depends on standard databases

11.CONCLUSION:

> It is a outstanding that a decent enemy of phishing apparatus ought to anticipate the phishing assaults in proper timescale. We accept that the accessibility of a decent enemy of phishing device at the proper time scale is additionally imperative to build the extent of anticipating phishing sites. This apparatus ought to be improved continually through consistent retraining. The procedure of finding the ideal structure is very difficult, and much of the time, this structure is controlled by experimentation. Our model takes care of the issues via computerizing the way towards organizing a neural system. Accomplishment is that our model uses a versatile system in structuring the system, while customary demonstrating procedures depend on experimentation. The preparation techniques utilized in our model since we attempt to improve the system execution. Our model have a speculation capacity of our model.

12.FUTURE SCOPE:

Further work can be done to enhance the model by using assembling models to get greater accuracy score. Ensemble methods is a ML techniques that combines many base models to generate optimal predict model. Further reaching future work would be combining multiple classifier, trained on different aspects of the same training set, into a single classifier that may provide a more robust prediction that any of the single classifiers on their own.

The methodology needs to be evaluated on how it might handle collection growth. The collections will ideally grow incrementally over time so there will need to be a way to apply a classifier incrementally to the new data, but also potentially have this classifier receive feedback the might modify it over time.

13.APPENDIX:

SOURCE CODE

INTEGRATE WITH FLASK:

```
# -- coding: utf-8 --
"""
Created on Wed Nov 16 11:43:43 2022

@author: PC """ import requests

import flask from flask import request, render_template from flask_cors import CORS import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "J_pW3eB69-mca4WRoz3Zmv0Uz6tlRBnSUepP7E8lynoc"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey": API_KEY, "grant_type": 'urn:ibm:params:oauth:granttype:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

app = flask.Flask(_name_, static_url_path='')
CORS(app)
@app.route('/', methods=['GET']) def sendHomePage():
    return render_template('index.html') @app.route('/predict', methods=['POST']) def predict():
url=(request.form['URL'])    x = [('URL')]    payload_scoring =
{"input_data":[{"field":[['URL']],"values":x}]}    response_scoring =
```

```
requests.post('https://ussouth.ml.cloud.ibm.com/ml/v4/deployments/cadee2eb-fb21-4634-
9d082bd9b2e45a10/predictions?version=2022-11-14', json=payload_scoring,
headers={'Authorization': 'Bearer ' + mltoken})    print(response_scoring)    predictions =
response_scoring.json()    predict = predictions['predictions'][0]['values'][0][0]    print("Final
prediction :",predict)


    # showing the prediction results in a UI# showing the prediction results in a UI    return
render_template('predict.html', predict=predict)


if _name_ == '_main_' :    app.run(debug= False)
```
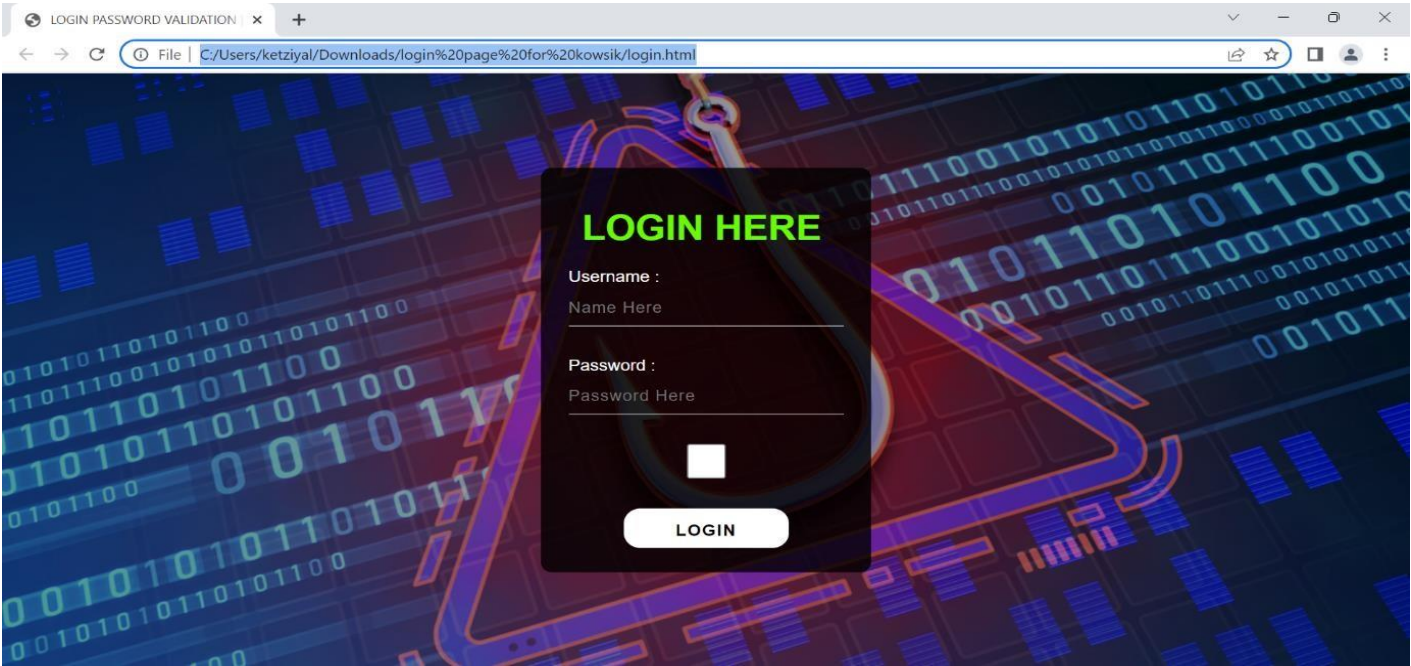
SCREENSHOTS:
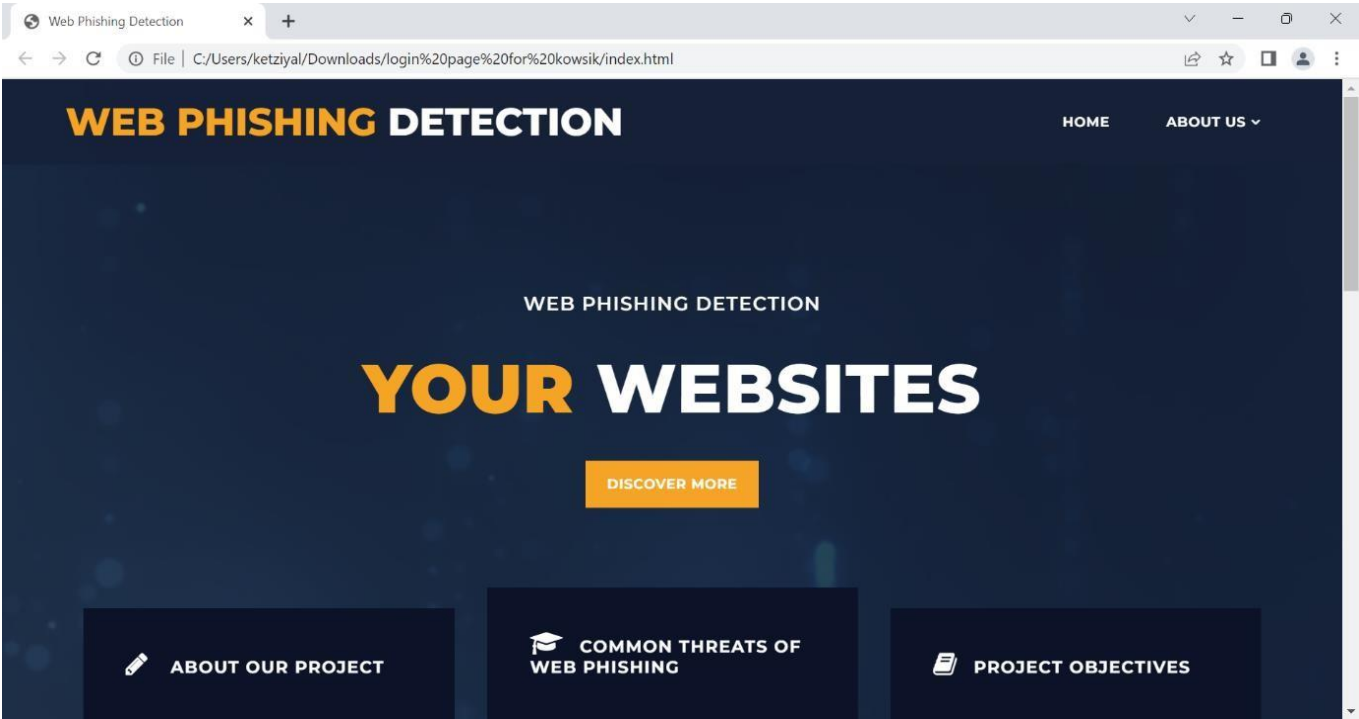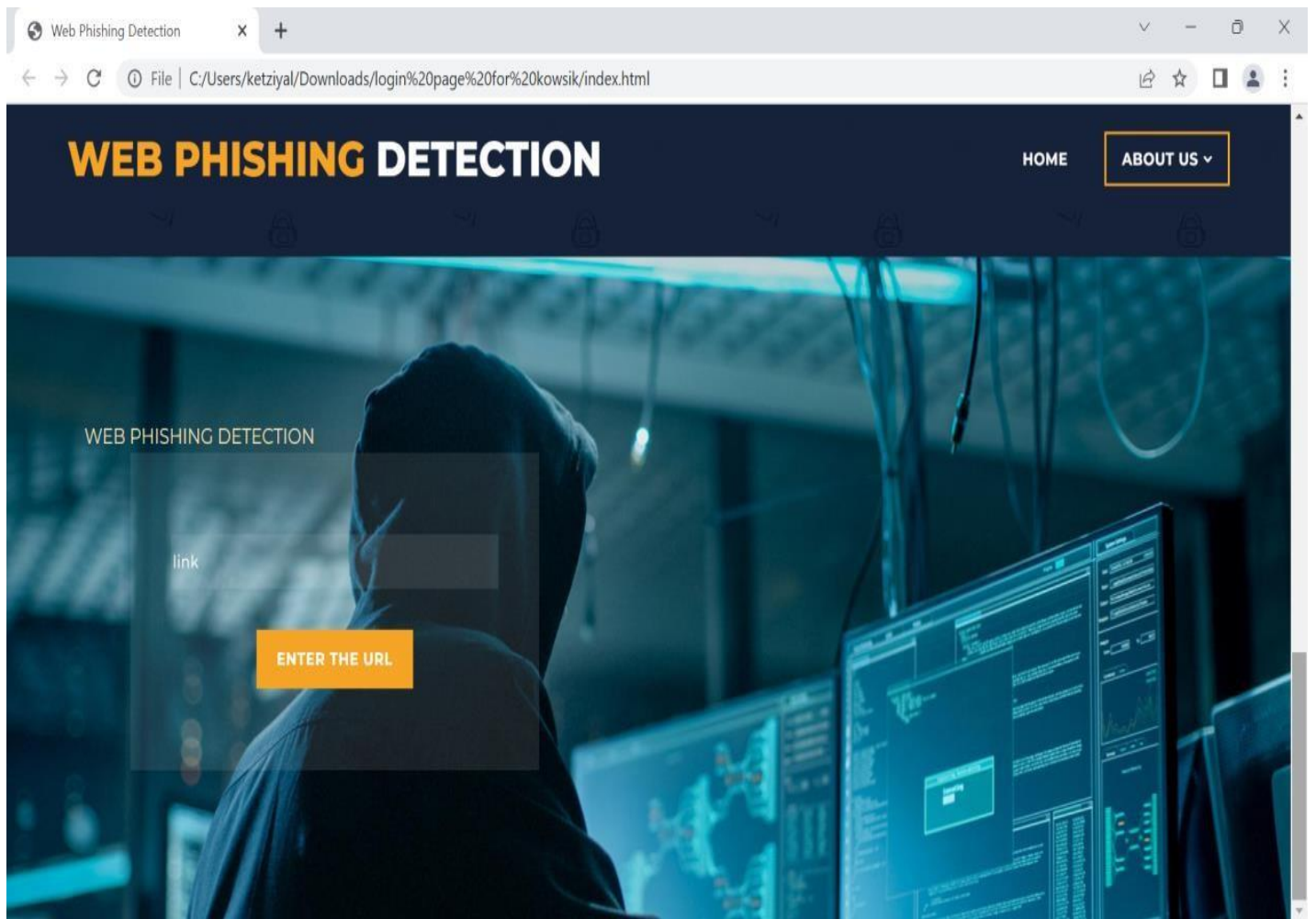
URL Link
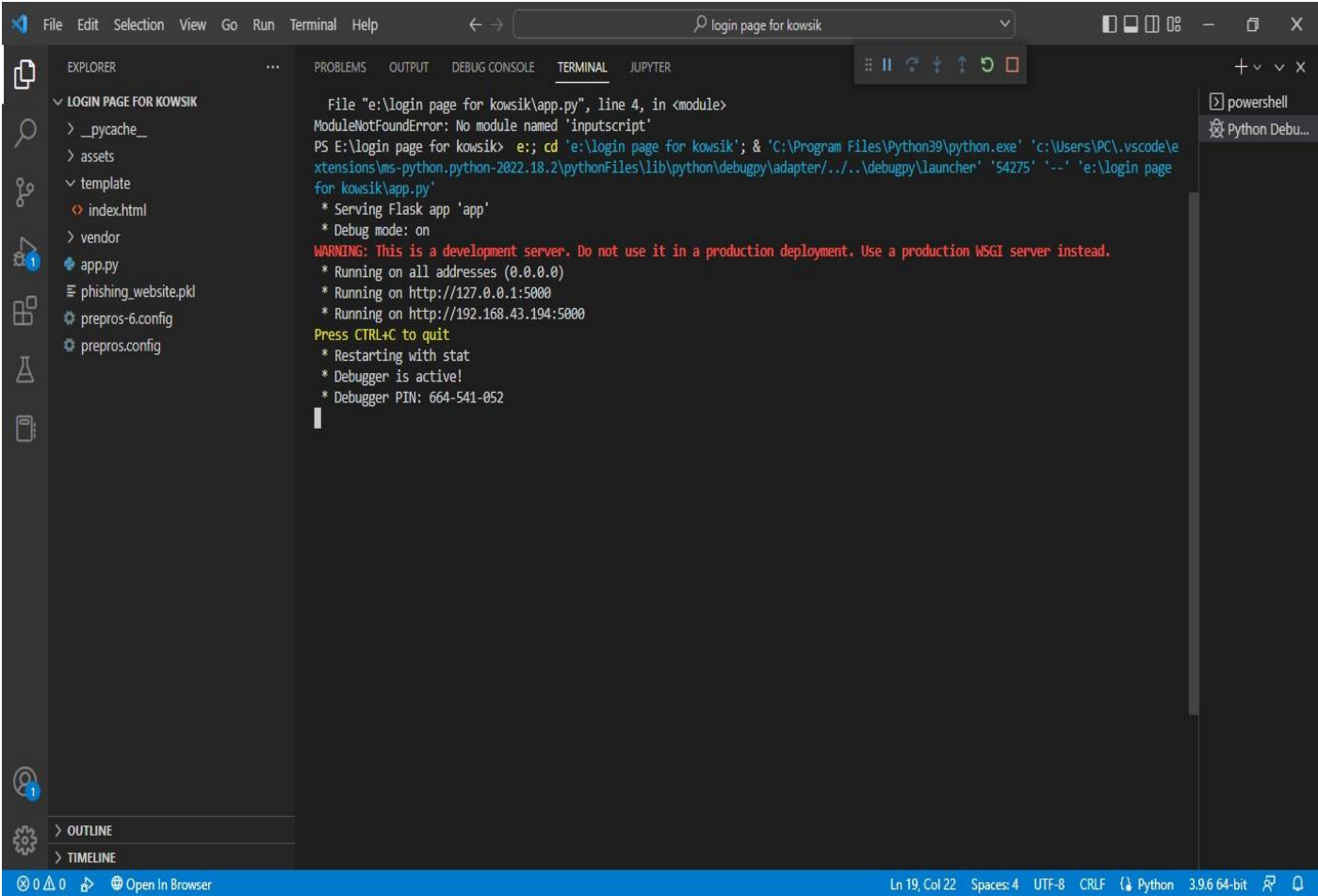
LOGIN PAGE:
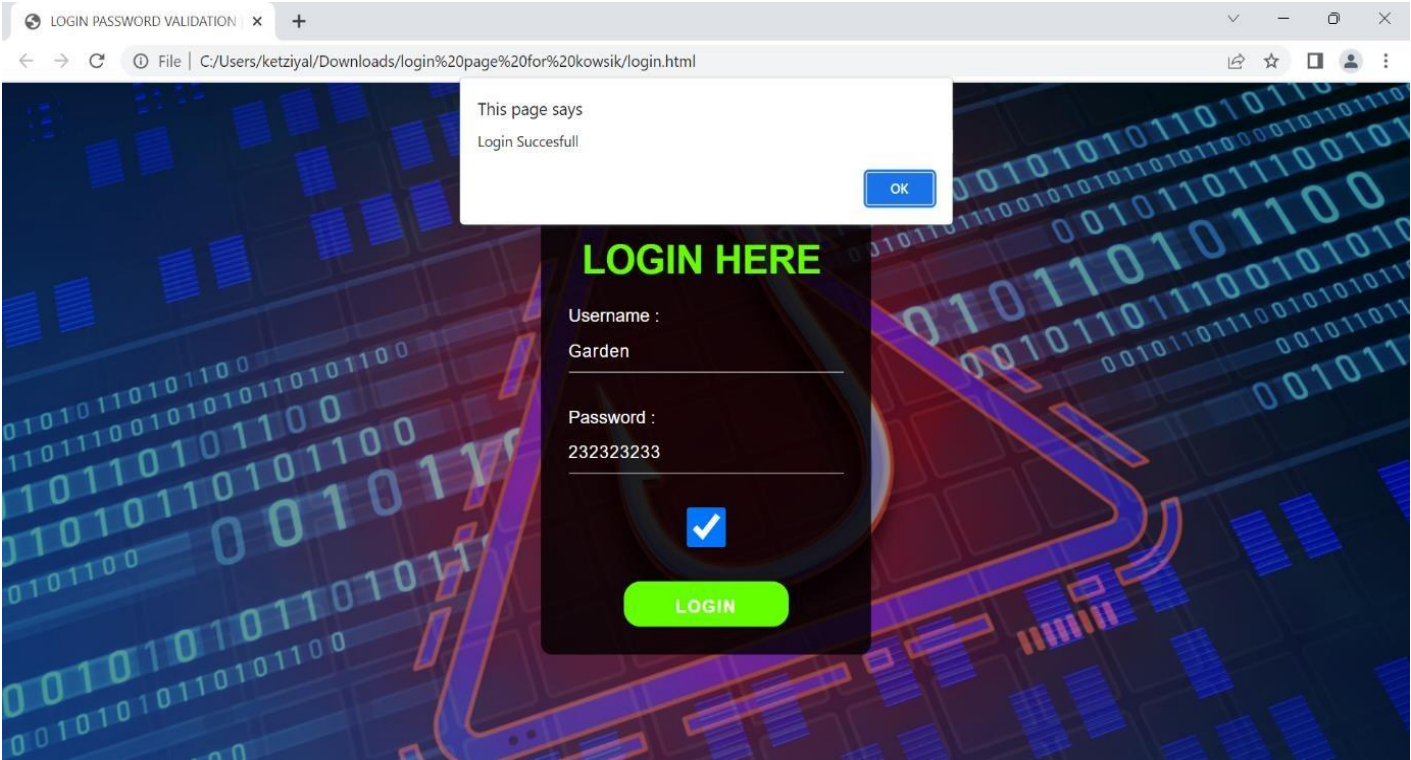
HOMEPAGE:

14.RESULTS:

GITHUB: **https://github.com/**

DEMO LINK: **https://drive.google.com/file/d/1-**
9wgwwVdJGzItd36sS0M1e7UrpdICcjY/view?usp=share_link