DAYANANDA SAGAR UNIVERSITY

KUDLU GATE, BANGALORE – 560068

Bachelor of Computer Application

Mini Project Report
(PASSWORD GENRATOR)

By

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(2021-2022)

CERTIFICATE

To whom it may concern

This is to certify that the project work entitled, **PASSWORD GENERATOR** is the Bonafide work carried out by:

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The students of Department of Computer Application, Dayananda Sagar University, Bangalore, for the 4th Semester BCA, 2021- 2022.

In partial fulfillment of the requirements for the degree of Bachelor of Computer Applications in Engineering and that this project has not submitted previously for the award of any other degree, diploma and fellowship.

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Signature of the External Examiner

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BATCH OF 2021-2022.

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ABSTRACT

The number of users of computer technology and the internet is increasing day by day. As the users are growing, the need for security is also felt very much.

Text password has long been the dominant user authentication technique and is used by large numbers of Internet services.

If they follow recommended practice, users are faced with the almost insuperable problem of generating and managing a large number of site-unique and strong (i.e. non-guessable) passwords. One way of addressing this problem is through the use of a password generator, i.e. a client-side scheme which generates (and regenerates) site-specific strong passwords on demand, with the minimum of user input. Password Generator has been designed to address issues identified in generating strong passwords and incorporates novel techniques to address these issues.

The password needs to be strong enough to avoid brute force attacks and other attacks. Here we discuss a method of generating random passwords, which are strong enough to combat the attacks.

CHAPTER 1
(INTRODUCTION)

INTRODUCTION

Despite its widely-discussed shortcomings, text password authentication is widely used to authenticate users to online services. Many attempts have been made to replace simple password authentication, e.g. using biometrics, tokens and multi-factor authentication.

However, single-factor password based authentication remains very widely used. Moreover, in recent years the number of widely-used password-protected services has grown significantly, in turn, increasing the number of passwords users are expected to remember. There are a range of issues associated with the use of text passwords.

These issues can be categorized as either user-related or online service-related. User-related issues include users are likely to be overwhelmed by the large number of passwords needed for Internet services, which can lead to the use of the same password for multiple accounts.

- Users will often choose guessable passwords, e.g. date of birth, name of pet, or anniversary date;
- Users will often make minimal modifications to an existing password, e.g. by including a serial number, when forced to make a change.
- Online service-related issues, can make it almost impossible for users to remember all their passwords, including:
- Many sites enforce a complex password policy, e.g. requiring passwords to contain a minimum number of characters, or include or exclude specific characters;
- Some services force users to change their password regularly, e.g. every 90 days.

To address these issues, a number of password generator schemes have been proposed, which generate strong (i.e. difficult to guess) and random-looking passwords and regenerate them whenever necessary.

It is an on-demand password generator which generates site-specific passwords for online services. Here, we provide the first detailed specification of the Password Generator, and also give a detailed analysis of its properties.

CHAPTER 2
(PROPOSED WORK)

PROPOSED WORK

The proposed system defines a new method for generating random passwords. The proposed model provides the principles and guidelines for random password creation.

The process of encryption and decryption of passwords can also be adopted for various applications such as online registration, online exams etc.

Random Password Generator is to produce random passwords with high security. Generally, random passwords have various benefits over user-chosen passwords which enhance security and confidentiality.

The new methodology has been created to generate random password which consists of both upper & lower case letter and digits from 0 to 9 and special symbols with fixed length. It can hold minimum values up to 8 and maximums up to 30.

Procedure:

Step 1: Start the process

Step 2: Create random character list with numbers, upper & lower-case letters, special characters.

Step 3: Password must be in fixed length of 8-30.

Step 4: Create Random Password Generator method to generate the password.

Step 5: Random Password Generator chooses any of the four character set.

Step 6: The index position of any one of the characters from the random character set is returned.

Step 7: Append the characters selected through the index, one by one.

Step 8: Copy the password.

Step 9: End

CHAPTER 3
(SOFTWARE REQUIREMENTS)

SOFTWARE REQUIREMENTS

1. HTML

The **Hypertext Markup Language** or **HTML** is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets.

2. CSS

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML).

CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.CSS is among the core languages of the open web and is standardized across Web browsers.CSS (Cascading Style Sheets) is used to style and layout web pages — for example, to alter the font, color, size, and spacing of your content, split it into multiple columns, or add animations and other decorative features. This module provides a gentle beginning to your path towards CSS mastery with the basics of how it works, what the syntax looks like, and how you can start using it to add styling to HTML.

3. JAVASCRIPT

JavaScript often abbreviated **JS**, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices. It has dynamic typing, prototype-based object orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

CHAPTER 4
(EXPERIMENTAL STUDY)

EXPERIMENTAL STUDY

The concept is well experimented with and demonstrated through a software program. The Random Password Generator is tested by generating passwords for the users of a browsing center. At each login, the users can use the randomly generated passwords.

This provides security to the regular customer of a browsing center, to safely maintain his/her work in the server based environment. Whenever the user is logging on to the system, he/she has to submit the respective user name and password.

The password that is entered by the user is always in the form of plaintext but the information which is stored in the database is an encrypted form of plain text. Hence, the plain text is converted between encrypted and decrypted form accordingly while comparing the user entered password and already stored password.

CHAPTER 5
(CODE IMPLEMENTATION)

FINAL.HTML FILE

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-
width, initial-scale=1">
<style>
* {
  box-sizing: border-box;
}

body {
  margin: 0;
  font-family: Arial;
  font-size: 17px;
}
#myVideo {
  width: 100vw;
  height: 100vh;
  object-fit: cover;
  position: fixed;
  left: 0;
  right: 0;
  top: 0;
  bottom: 0;
  z-index: -1;
}.content {
position: fixed;
  bottom: 0;
  background: rgba(0, 0, 0, 0.5);
  color: #f1f1f1;  width: 100%;

 <h1></h1>
  <p></p>
  <button id="myBtn"
<button><a href="vs.html" alt='Broken Link'>
lets begin
</a></button></button>
</div>
<script>
var video = document.getElementById("myVideo");
var btn = document.getElementById("myBtn");
function myFunction() {
  if (video.paused) {
    video.play();
    btn.innerHTML = "Pause";
  padding: 10px;
}
#myBtn {
  width: 200px;
  font-size: 18px;
  padding: 10px;
  border: none;
  background: #000;
  color: #fff;
  cursor: pointer;
}
#myBtn:hover {
  background: #ddd;
  color: black;
}
</style>
</head>
<body>
<video autoplay muted loop id="myVideo" >
  <source src="AWP.mp4">
  Your browser does not support HTML5 video.
</video>

<div class="content">

  } else {
    video.pause();
    btn.innerHTML = "Play";
  }
}
</script>

</body>
</html>
```

INDEX.HTML FILE [PASSWORD GENERATOR]

```
<!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, initial-
scale=1.0">
   <title>password Gen..</title>
   <link rel="stylesheet" href="css/s.css">
   <style>
    .fa {
      padding: 10px;
      font-size: 30px;
      width: 60px;
      text-align: center;
      text-decoration: none;
      margin: 5px 2px;
    }
        .fa:hover {
        opacity: 0.7;
    }
    .fa-facebook {
      background: #3B5998;
      color: white;
    }
     .fa-twitter {
      background: #55ACEE;
      color: white;
    }
        .fa-google {
      background: #dd4b39;
      color: white;
    }

    .fa-linkedin {
      background: #007bb5;
      color: white;
    }
    .fa-youtube {
      background: #bb0000;
      color: white;
    }
    .fa-instagram {
      background: #125688;
      color: white;
    }
    .fa-snapchat-ghost {
      background: #fffc00;
      color: white;
      text-shadow: -1px 0 black, 0 1px black, 1px 0
black, 0 -1px black;
    }
   </style>
  </head>
 <body>
   <div class="pw-container">
    <div class="pw-header">
     <div class="pw">
       <span id="pw"> Password Here</span>
       <button id="copy">Copy</button>
     </div>
    </div>
    <div class="pw-body">
      <div class="form-control">
        <lable for="length">Password
Length</lable>
        <input id="len" value="10" type="number"
min="8" max="30">
      </div>
      <div class="form-control">
        <lable for="upper">Contain Uppercase
Letters</lable>
        <input id="upper" type="checkbox">
      </div>
      <div class="form-control">
        <lable for="lower">Contain Lowercase
Letters</lable>
        <input id="lower" type="checkbox">
      </div>
      <div class="form-control">
        <lable for="number">Contain Numbers
</lable>
        <input id="number" type="checkbox">
      </div>
      <div class="form-control">
        <lable for="symbol">Contain
Symbol</lable>
        <input id="symbol" type="checkbox">
      </div>
      <button class="generate btn btn-one"
id="generate">Generate Password</button>
```

```
    </div>
    <br><br><br><br>
<a href="https://www.facebook.com/reg/"
class="fa fa-facebook"></a>
<a href="https://twitter.com/i/flow/signup"
class="fa fa-twitter"></a>
<a
href="https://accounts.google.com/signup/v2/we
bcreateaccount?continue=https%3A%2F%2Fmy
account.google.com%3Futm_source%3Daccount
-marketing-page%26utm_medium%3Dcreate-
account-
button&flowName=GlifWebSignIn&flowEntry=
SignUp" class="fa fa-google"></a>
<a href="https://www.linkedin.com/signup/cold-
join?trk=guest_homepage-basic_nav-header-
join" class="fa fa-linkedin"></a>
<a href="https://www.youtube.com/account"
class="fa fa-youtube"></a>
<a
href="https://www.instagram.com/accounts/emai
lsignup/?hl=en" class="fa fa-instagram"></a>
<a
href="https://accounts.snapchat.com/accounts/sig
nup?client_id=ads-
api&referrer=https%253A%252F%252Fads.snap
chat.com%252Fgetstarted&ignore_welcome_em
ail=true" class="fa fa-snapchat-ghost"></a>
</div>
<script src="script.js"></script>
</body>
</html>
```

INDEX_INSTA.HTML FILE

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport"
content="width=device-width, initial-scale=1.0"
/>
    <meta http-equiv="X-UA-Compatible"
content="ie=edge" />
    <title>password generator-instagram
profile</title>
    <link rel="stylesheet" href="style.css" />
  </head>

  <body>
    <nav>
      <div class="mock"></div>
      <div class="fixed">
        <div class="nav-content">
          <img class="logo" alt="logo"
src="images\Instagram-rolls-out-new-messaging-
features-and-more.jpg" />
          <div class="desktop-only">
            <div class="search-
guide">
              <span class="search-icon"></span>
              <span class="search-
placeholder">Search</span>
            </div>
          </div>
          <div>
            <a href="vs.html"><button
class="primary">Log out</button></a>
            <button>Sign Up</button>
          </div>
        </div>
      </div>
    </nav>
    <main>
      <header>
        <div class="header-wrap">
          <div class="profile-pic">
            <img src="images\Screenshot_20220520-
150152_WhatsApp.jpg" alt="profile-logo"
width="50px" />
          </div>
          <div class="profile-info">
            <div class="title row">
              <h2>IGNITE</h2>
              <span class="verfied-icon"><img
src="
/andQf/V4A7+bfwDRzAfTfHE7vwAAAAASU
VORK5CYII=" width="20px" height="20px"
/></span><br>
              <button
class="primary">Follow</button>
            </div>
            <div class="desktop-only">
              <div class="details row">
                <ul>
                  <li><span>6</span> posts</li>
                  <li><span>100k</span>
followers</li>
                  <li><span>10</span> following</li>
                </ul>
              </div>
              <div class="descriptions row last">
                <h1>AWP Project</h1>
                <span>
                 TOPIC= Password genrator.
                  <br />
                   By: <br> SHREYA JAISWAL<br>
NANDINI GARG <br> SHIVANSH PARMAR
<br>
                </span>
              </div>
            </div>
          </div>
        </div>
        <div class="profile-info mobile-only">
          <div class="descriptions row">
            <h1>AWP Project</h1>
            <span>
              TOPIC= Password genrator.
              <br />
              By:<br> SHREYA JAISWAL<br>
NANDINI GARG <br> SHIVANSH PARMAR
<br>
            </span>
          </div>
        </div>
      </header>
      <ul class="stories">
        <li class="story-item">
```

```
        <div class="image">
          <img src="images\download (4).jpg" />
        </div>
        <div class="title">college</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\download (3).jpg" />
        </div>
        <div class="title">🎈 🍼</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\worldwide-travel-
insurance.jpg" />
        </div>
        <div class="title">travel</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\images.jpg" />
        </div>
        <div class="title">bangalore</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\download (2).jpg" />
        </div>
        <div class="title">ignite</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\download (1).jpg"/>
        </div>
        <div class="title">vibes</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\social-media-for-
photographers-follow-1.webp"/>
        </div>
        <div class="title">photography</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\download.jpg" />
        </div>
        <div class="title">music</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\oil-painting-
conceptual-abstract-picture-260nw-
1445018480.webp"/>
        </div>
        <div class="title">paintings</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\download.png" />
        </div>
        <div class="title">projects</div>
      </li>
      <li class="story-item">
        <div class="image">
          <img src="images\1376959.jpg" />
        </div>
        <div class="title">thunder</div>
      </li>
      <button class="slider-button-next desktop-
only">
        <div class="arrow-right-icon"></div>
      </button>
    </ul>
    <div class="desktop-only">
      <div class="tabs">
        <div class="tab-item active"
style="margin-right: 60px;">
          <svg
            aria-label="Posts"
            class="_8-yf5"
            fill="#262626"
            height="12"
            viewBox="0 0 48 48"
            width="12"
          >
            <path
              clip-rule="evenodd"
              d="M45 1.5H3c-.8 0-1.5.7-1.5
1.5v42c0 .8.7 1.5 1.5 1.5h42c.8 0 1.5-.7 1.5-
1.5V3c0-.8-.7-1.5-1.5-1.5zm-40.5 3h11v11h-
11v-11zm0 14h11v11h-11v-11zm11 25h-11v-
11h11v11zm14 0h-11v-11h11v11zm0-14h-11v-
11h11v11zm0-14h-11v-11h11v11zm14 28h-11v-
11h11v11zm0-14h-11v-11h11v11zm0-14h-11v-
11h11v11z"
              fill-rule="evenodd"
            ></path>
```

```
          </svg>
          <span>POSTS</span>
        </div>
        <div class="tab-item" style="margin-right:
60px;">
          <svg
            aria-label="Posts"
            class="_8-yf5"
            fill="#8e8e8e"
            height="12"
            viewBox="0 0 48 48"
            width="12"
          >
            <path
              d="M41 10c-2.2-2.1-4.8-3.5-10.4-
3.5h-3.3L30.5 3c.6-.6.5-1.6-.1-2.1-.6-.6-1.6-.5-
2.1.1L24 5.6 19.7 1c-.6-.6-1.58.3-1.4 1.3-3.2 2.6-
8.4 2.6H17.4c-5.2 0-7-1.3-8.3-2.6-1.3-1.4-2.6-
3.2-2.6-8.4v-13c0-5.2 1.3-7 2.6-8.3 1.4-1.3 3.2-
2.6 8.4-2.6h13.1c5.2 0 7 1.3 8.3 2.6 1.3 1.4 2.6
3.2 2.6 8.4v13zM34.6 25l-9.1 2.8v-3.7c0-.5-.2-
.9-.6-1.2-.4-.3-.9-.4-1.3-.2l-11.1 3.4c-.8.2-1.2
1.1-1 1.9.2.8 1.1 1.2 1.9 1l9.1-2.8v3.7c0 .5.2.9.6
1.2.3.2.6.3.9.3.1 0 .3 0 .4-.1l11.1-3.4c.8-.2 1.2-
1.1 1-1.9s-1.1-1.2-1.9-1z"
            ></path>
          </svg>
          <span>IGTV</span>
        </div>
        <div class="tab-item">
          <svg
            aria-label="Tagged"
            class="_8-yf5"
            fill="#8e8e8e"
            height="12"
            viewBox="0 0 48 48"
            width="12"          >
            <path
              d="M41.5 5.5H30.4c-.5 0-1-.2-1.4-.6l-
4-4c-.6-.6-1.5-.6-2.1 0l-4 4c-.4.4-.9.6-1.4.6h-11c-
3.3 0-6 2.7-6 6v30c0 3.3 2.7 2.9-6.6 6.6-6.6s6.6
2.9 6.6 6.6c0 3.6-3 6.6-6.6 6.6z"
            ></path>
          </svg>
          <span>TAGGED</span>
        </div>
      </div>
    </div>
    <div class="mobile-tabs mobile-only">
      <ul>
        <li>
          <div>722</div>
          posts
        </li>
        <li>
          <div>25.1m</div>
          followers
        </li>
        <li>
          <div>6</div>
          following
        </li>
      </ul>
      <div class="actions">
        <svg
          aria-label="Posts"
          class="_8-yf5"
          fill="rgb(0, 149, 246)"
          height="24"
          viewBox="0 0 48 48"
          width="24"          >
          <path
            clip-rule="evenodd"
            d="M45 1.5H3c-.8 0-1.5.7-1.5 1.5v42c0
.8.7 1.5 1.5 1.5h42c.8 0 1.5-.7 1.5-1.5V3c0-.8-.7-
1.5-1.5-1.5zm-40.5 11h11v11zm14 28h-11v-
11h11v11zm0-14h-11v-11h11v11zm0-14h-11v-
11h11v11z"
            fill-rule="evenodd"
          ></path>
        </svg>
        <svg
          aria-label="Posts"
          class="_8-yf5"
          fill="#8e8e8e"
          height="24"
          viewBox="0 0 48 48"
          width="24"          >
          <path
            d="M41 10c-2.2-2.1-4.8-3.5-10.4-3.5h-
3.3L30.5 3c.6-.6.5-1.6-.1-2.1-.6-.6-1.6-.5-23.5
10. 2.8v3.7c0 .5.2.9.6 1.2.3.2.6.3.9.3.1 0 .3 0 .4-
.1l11.1-3.4c.8-.2 1.2-1.1 1-1.9s-1.1-1.2-1.9-1z"
          ></path>
        </svg>
        <svg
          aria-label="Tagged"
          class="_8-yf5"
```

```
          fill="#8e8e8e"
          height="24"
          viewBox="0 0 48 48"
          width="24"          >
          <path
            d="M41.5 5.5H30.4c-.5 0-1-.2-1.4-.6l-
4-4c-.6-.6-1.5-.6-16.1c-3.6 0-6.6-2.9-6.6-6.6 0-
3.6 2.9-6.6 6.6-6.6s6.6 2.9 6.6 6.6c0 3.6-3 6.6-
6.6 6.6z"
          ></path>
        </svg>
      </div>
    </div>

    <div class="gallery">
      <div class="gallery-item">
        <img alt="gallery-post" src=
"images\IMG-20211225-WA0091.jpg"/>
        <span class="media-icon"></span>
      </div>
      <div class="gallery-item">
        <img alt="gallery-post" src="images\IMG-
20210414-WA0146.jpg" />
        <span class="media-icon"></span>
      </div>
      <div class="gallery-item">
        <img alt="gallery-post"
src="images\IMG_20210413_213144_209.jpg"/
>
        <span class="media-icon"></span>
      </div>
      <div class="gallery-item">
        <img alt="gallery-post" src="images\IMG-
20211225-WA0084.jpg"/>
      </div>
      <div class="gallery-item">
        <img alt="gallery-post" src="images\IMG-
20211225-WA0293.jpg"/>
      </div>
      <div class="gallery-item">
        <img alt="gallery-post"
src="images\GridArt_20220104_145431331.jpg"
/>
        <span class="media-icon"></span>
      </div><br><br><hr>
    </div>
  </main>
 </body>
</html>
```

STYLE.CSS FILE

```
@import url("./reset.css");
@import url("./common.css");

/* Navigation */
.nav-content .logo {
  height: 50px;
width: 150px;
}
.search-guide .search-placeholder {
  color: hsl(0, 0%, 56%);
  font-size: 14px;
  margin-left: 6px;
}
.search-guide {
  width: 215px;
  background: hsl(0, 0%, 98%);
  display: flex;
  justify-content: center;
  align-items: center;
  padding: 6px 26px;
  border-radius: 3px;
  border: 1px solid hsl(0, 0%, 86%);
}
nav .nav-content {
  max-width: 935px;
  margin: 0 auto;
  height: 54px;
  display: flex;
  justify-content: space-between;
  align-items: center;
}
@media only screen and (max-width: 735px) {
  nav .nav-content {
    padding: 0 20px;
  }
}
nav .mock {
  height: 54px;
}
nav .fixed {
  position: fixed;
  top: 0;
  width: 100%;
  background: white;
  border-bottom: 1px solid hsl(0, 0%, 86%);
  z-index: 1;
}

/* Profile */
header {
  margin-bottom: 44px;
}
.header-wrap {
  display: grid;
  grid-template-columns: 1fr 2fr;
  column-gap: 30px;}
@media only screen and (max-width: 735px) {
  header {
    display: block;
    margin-bottom: 0px;
  }
  .header-wrap {
    display: flex;
    padding: 14px;
    column-gap: 0px;
  }}
.header-wrap .profile-pic {
  height: 160px;
  display: flex;
  justify-content: center;
  align-items: center;
}
.header-wrap .profile-pic img {
  width: 150px;
  height: 150px;
  border-radius: 1000px;
  border: 1px solid hsl(0, 0%, 86%);
}
@media only screen and (max-width: 735px) {
  .header-wrap .profile-pic {
    width: 77px;
    height: 77px;
    margin-right: 28px;
  }
  .header-wrap .profile-pic img {
    width: 100%;
    height: 100%;
  }}
.profile-info .title h2 {
  font-size: 28px;
  font-weight: 300;
}
.profile-info .title span {
  margin-left: 8px;}
.profile-info .title button {
  margin-left: 20px;
}
```

```
@media only screen and (max-width: 735px) {
  .profile-info .title h2 {
    display: inline-block;
    margin-bottom: 12px;
  }
  .profile-info .title span {
    display: inline-block;
  }
  .profile-info .title button {
    display: block;
    margin-left: 0px;
  }
}
.profile-info .title {
  display: flex;
  align-items: center;
}
@media only screen and (max-width: 735px) {
  .profile-info .title {
    display: block;
  }
}
.profile-info .details li {
  font-size: 16px;
  font-weight: 400;
  margin-right: 40px;
}
.profile-info .details li span {
  font-weight: 600;
}
.profile-info .details ul {
  display: flex;
}
.profile-info .descriptions h1 {
  font-weight: 600;
  line-height: 24px;
}
.profile-info .descriptions span {
  font-weight: 400;
  line-height: 24px;
}
.profile-info .descriptions a {
  color: hsl(209, 100%, 21%);
}
@media only screen and (max-width: 735px) {
  .profile-info .descriptions {
    padding-left: 16px;
    padding-bottom: 21px;
    font-size: 14px;
    margin-bottom: 0px !important;
  }
  .profile-info .descriptions h1 {
    line-height: 20px;
  }
  .profile-info .descriptions span {
    line-height: 20px;
  }
}
.profile-info .row {
  margin-bottom: 20px;
}
.profile-info .row.last {
  margin-bottom: 0px;
}
/* Story */
.story-item .image {
  padding: 3px;
  border-radius: 1000px;
  border: 1px solid hsl(0, 0%, 86%);
}
.story-item .image img {
  border-radius: 1000px;
  width: 77px;
  height: 77px;
  display: block;
}
@media only screen and (max-width: 735px) {
  .story-item .image img {
    width: 56px;
    height: 56px;
  }
}.story-item .title {
  padding-top: 15px;
  font-size: 14px;
  font-weight: 600;
  text-align: center;
  white-space: nowrap;
  width: 80px;
  overflow: hidden;
  text-overflow: ellipsis;
}
@media only screen and (max-width: 735px) {
  .story-item .title {
    font-size: 12px;
    padding-top: 8px;
    font-weight: 400;
    width: 65px;
  }
```

```
}
.story-item {
  display: flex;
  flex-direction: column;
  align-items: center;
  padding: 10px 15px;
}
@media only screen and (max-width: 735px) {
  .story-item {
    padding: 0px 5px;
  }
}
.stories {
  display: flex;
  justify-content: start;
  padding: 0 24px;
  overflow-x: scroll;
  position: relative;
  margin-bottom: 44px;
}
@media only screen and (max-width: 735px) {
  .stories {
    padding: 0;
    margin-bottom: 21px;
  }}
.slider-button-next {
  position: sticky;
  right: 0;
  cursor: pointer;
}
/* Tabs */
.tab-item span {
  font-size: 12px;
  font-weight: 600;
  color: hsl(0, 0%, 56%);
  margin-left: 6px;
}
.tab-item {
  display: flex;
  align-items: center;
  height: 52px;
}
.tab-item.active {
  border-top: 1px solid hsl(0, 0%, 15%);
  margin-top: -1px;
  color: hsl(0, 0%, 15%);
}
.tabs {
  border-top: 1px solid hsl(0, 0%, 86%);
  display: flex;
  justify-content: center;
}
/* Mobile Tabs */
.mobile-tabs li {
  font-size: 14px;
  font-weight: 400;
  color: rgb(142, 142, 142);
  line-height: 18px;
  text-align: center;
}
.mobile-tabs li div {
  font-weight: 600;
  color: rgb(38, 38, 38);
}
.mobile-tabs ul {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  padding: 12px 0;
  border-top: 1px solid rgb(219, 219, 219);
}
.mobile-tabs .actions {
  display: flex;
  justify-content: space-around;
  height: 44px;
  align-items: center;
  border-top: 1px solid rgb(219, 219, 219);
}
/* Gallery */
.gallery {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  gap: 28px;
}
@media only screen and (max-width: 735px) {
  .gallery {
    gap: 3px;
  }}
.gallery-item {
  position: relative;
}
.gallery-item img {
  width: 100%;
  display: block;
}
.gallery-item .media-icon {
  position: absolute;
  top: 0px;
  right: 0px;}
```

VS_SLIDDER.JS FILE

```
const sliderContainer =
document.querySelector('.slider-
container')
const slideRight =
document.querySelector('.right-slide')
const slideLeft =
document.querySelector('.left-slide')
const upButton =
document.querySelector('.up-button')
const downButton =
document.querySelector('.down-button')
const slidesLength =
slideRight.querySelectorAll('div').length
let activeSlideIndex =0
slideLeft.style.top = `-${(slidesLength -
1) * 100}vh`

upButton.addEventListener('click', () =>
changeSlide('up'))
downButton.addEventListener('click', ()
=> changeSlide('down'))
const changeSlide = (direction) => {
  const sliderHeight =
sliderContainer.clientHeight
  if(direction === 'up')
{
    activeSlideIndex++
  if(activeSlideIndex > slidesLength - 1)
{
      activeSlideIndex = 0
    }
  }

  else if(direction === 'down') {
    activeSlideIndex--
    if(activeSlideIndex < 0) {
      activeSlideIndex = slidesLength -1
    }
  }
  slideRight.style.transform =
`translateY(-${activeSlideIndex *
sliderHeight}px)`
  slideLeft.style.transform =
`translateY(${activeSlideIndex *
sliderHeight}px)`
}
```

CHAPTER 6
(OUTPUT)

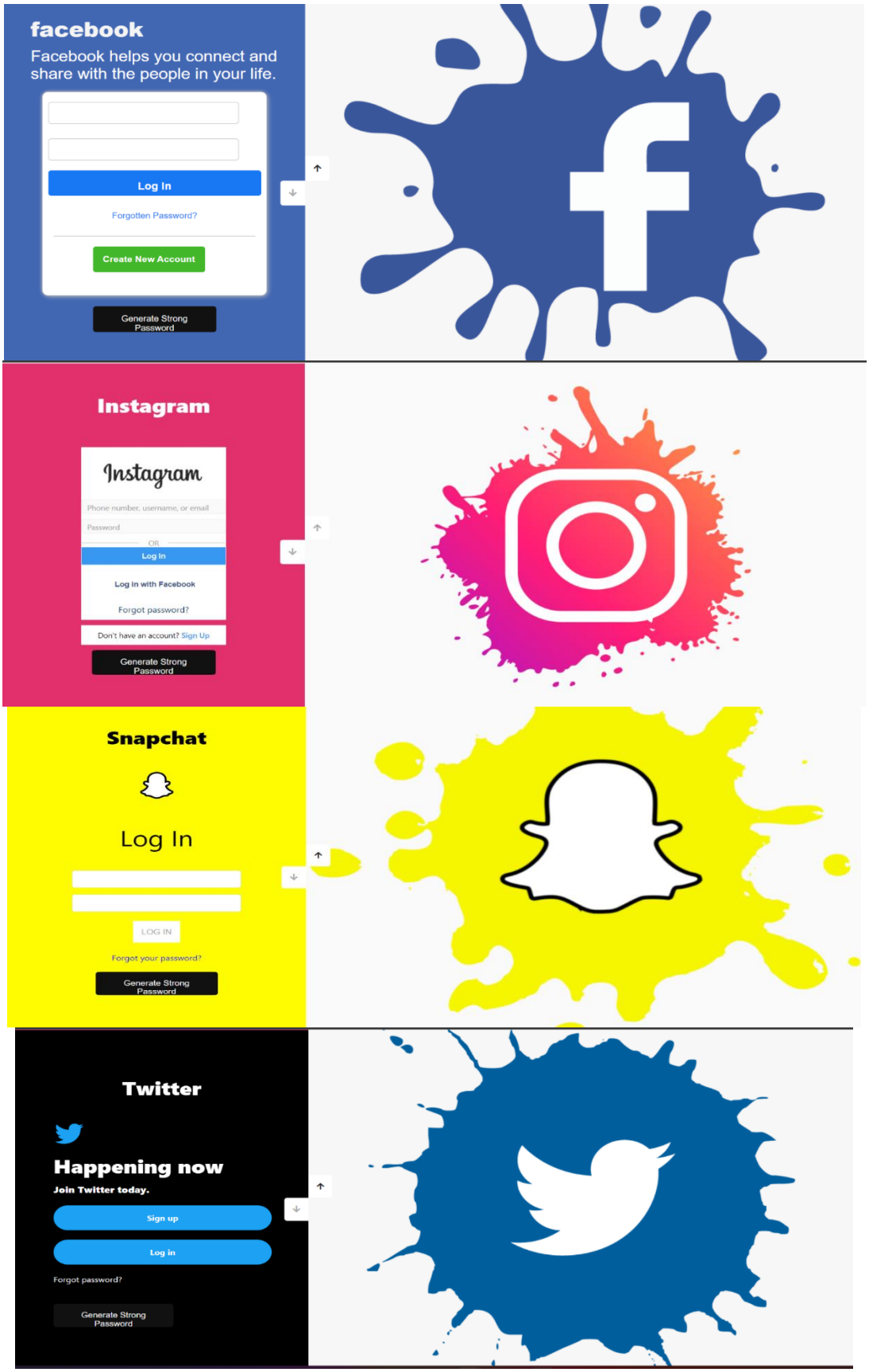
HOME PAGE


AWP PROJECT
DAY
lets begin

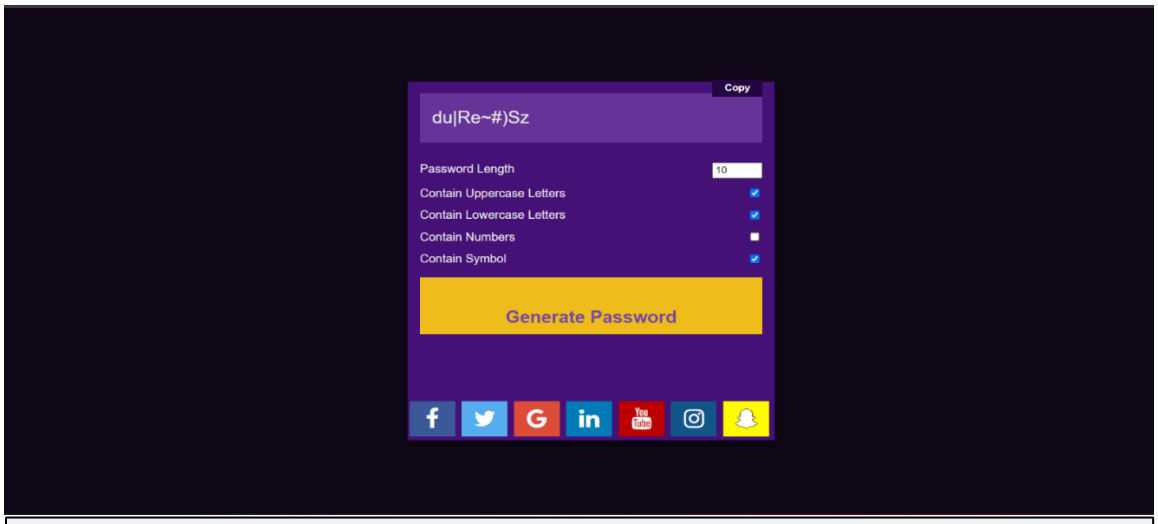

PASSWORD
GENERATOR
lets begin

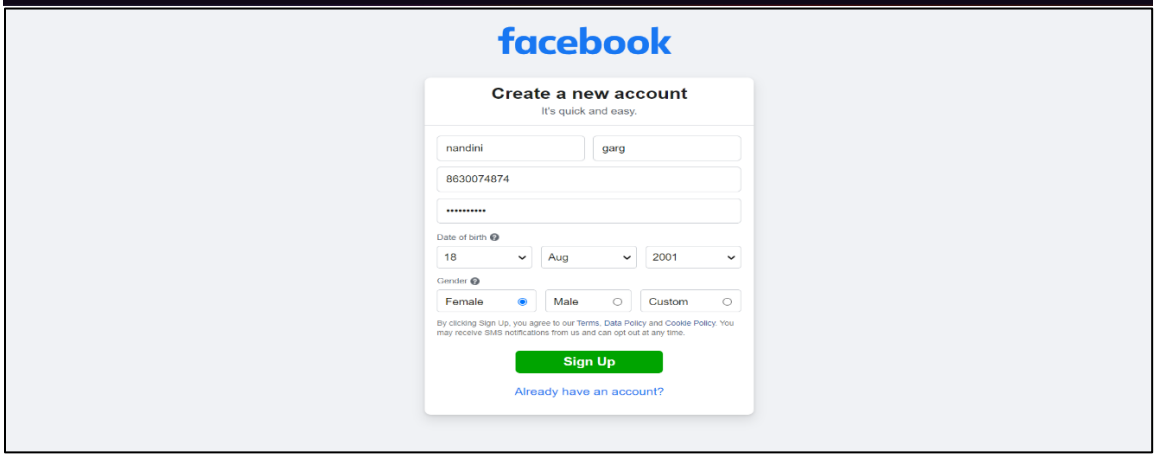

SECURE AND
UNIQUE
PASSWORDS
lets begin

LOGIN PAGE USING VERTICAL SLIDDER

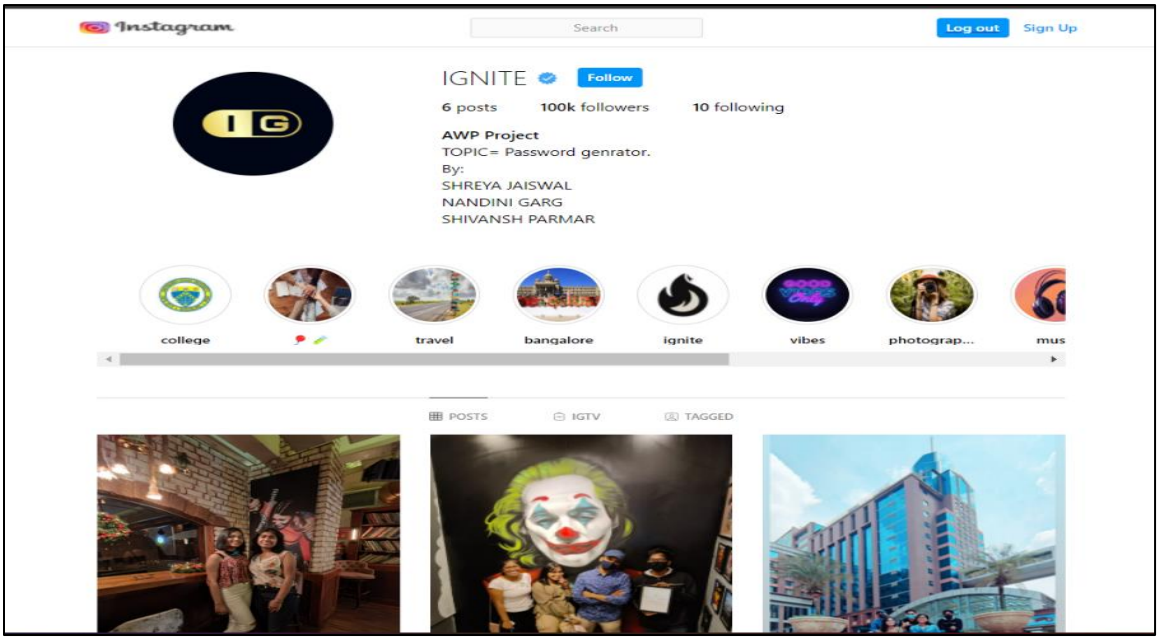


PASSWORD GENERATOR





DUMMY INSTAGRAM ID



CHAPTER 7
(CONCLUSION)

CONCLUSION

The password generated using the random password mechanism that was illustrated above is practical and can be used with great results. When the password is selected manually, most of the time, the users select the password that is related to himself or herself and related to any of the events.

This gives the space for the intruders to deploy various attacks in breaking the passwords. The randomly generated passwords avoid this particular situation. One of the drawbacks could be the difficulty in memorizing the randomly generated password. But when comparing the security achieved through the randomly generated password, it is much preferable than the manually chosen password.

The above done work also creates awareness and interest to start exploring this field more.

CHAPTER 8
(FUTURE ENHANCEMENTS)

FUTURE ENHANCEMENTS

Since all the applications are protected with passwords, more research can be accomplished for secured automatic password generations.

The proposed method uses only the alphabet and numerical values for random character lists. Still, special symbols could be considered for strengthening the password. The password length also can be extended to make the password strong. New encryption and decryption standards could be implemented with the randomly selected passwords.

The experimental study can be done with a large number of samples in future.

CHAPTER 9
(REFERENCES)

REFERENCES

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