VISION: *A premier S&T university for the formation of a world class and virtuous human resource for sustainable development in Bohol and the country.*
MISSION: *BISU is committed to provide quality higher education in the arts and sciences, as well as in the professional and technology fields; undertake research and development, and extension services for the sustainable development for Bohol and the country.*
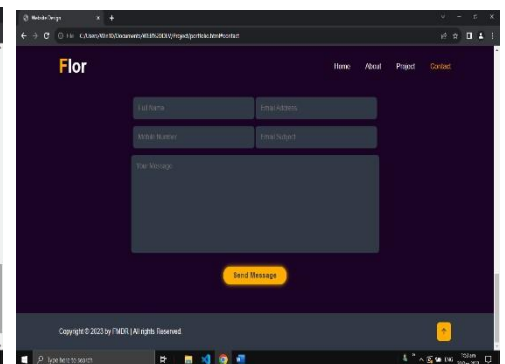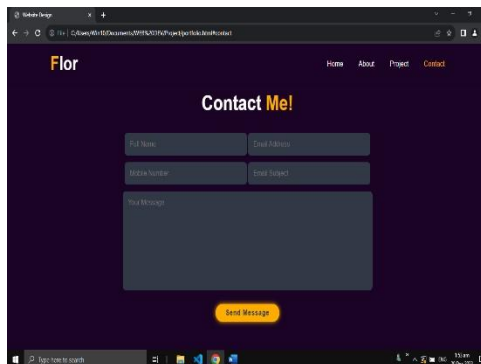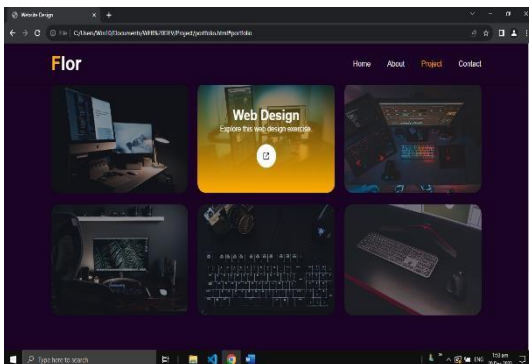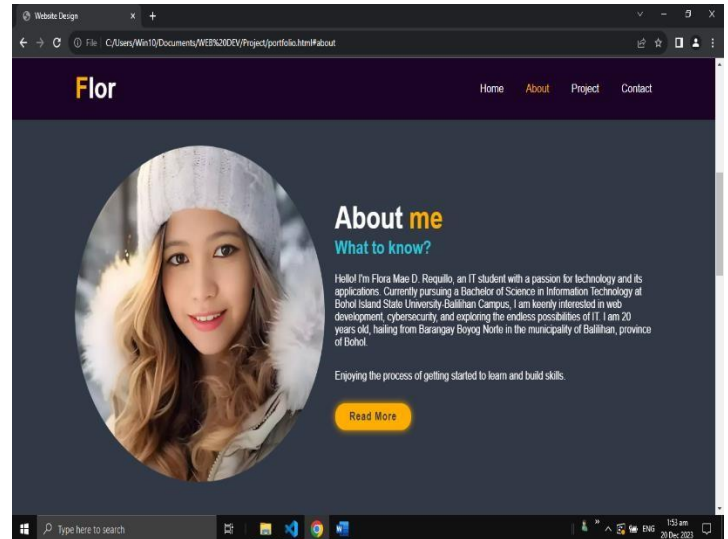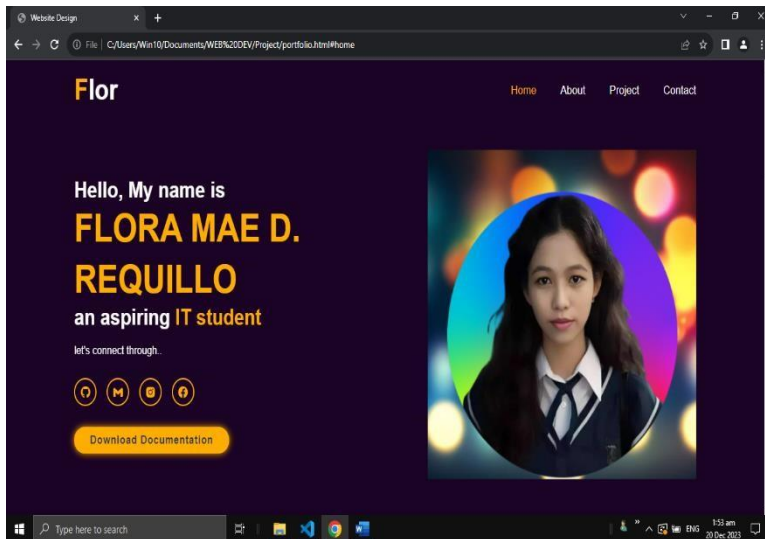
WED DEVELOPMENT / ENTERPRISE
Project

Name: <u>Flora Mae D. Requillo</u>   Course, Year and Section: <u>BSIT-3B</u>

INTRODUCTION:

Embarking on the web journey, before doing my project, I was just thrilled and curious so I search some ideas, tutorial and etc. online. Crafting a real website was not that easy, while doing it I encountered a lot of mistakes, even just one wrong click or missing code will lead into error. I'd always restart from the beginning, trying and spending many days to finish it, it's like solving puzzles and problems. After much coding, debugging, & testing, the website is ready – looking for the output seems like it's a reflection of what I did and it was special. So here is the final result:

THE CODES:

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale-1.0" />
    <title>Website Design</title>

    <!-- boxicons link-->
    <link
      href="https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css"
      rel="stylesheet"
    />
    <!-- custom icon -->

    <link rel="stylesheet" href="Styles.css" />
  </head>

  <body>
    <!-- Header section -->
    <header class="header">
      <a href="#" class="logo"><span>F</span>olio</a>

      <i class="bx bx-menu" id="menu-icon"></i>

      <nav class="navbar">
        <a href="#home" class="active">Home</a>
        <a href="#about">About</a>
        <a href="#portfolio">Project</a>
        <a href="#contact">Contact</a>
      </nav>
    </header>
```

```html
    <!-- home section -->
    <section class="home" id="home">
      <div class="home-content">
        <h3>Hello, My name is</h3>
        <h1>FLORA MAE D. REQUILLO</h1>
        <h3>an aspiring <span>IT student</span></h3>
        <p>
          let's connect through..
        </p>
        <div class="social-media">
          <a href="https://github.com/floramae2" target="_blank"><i class="bx bxl-github"></i></a>
          <a href="mailto:requilloflorama@gmail.com" target="_blank"><i class="bx bxl-gmail"></i></a>
          <a href="https://www.instagram.com/eam_arolf?" target="_blank"><i class="bx bxl-instagram-alt"></i></a>
          <a href="https://www.facebook.com/nae.requillo.100203/" target="_blank"><i class="bx bxl-facebook-circle"></i></a>
        </div>
        <a href="Assets/toPrint.pdf" class="btn" target="_blank">Download Documentation</a>
      </div>

      <div class="home-img">
        <img src="Assets/home.png" alt="" />
      </div>
    </section>

    <!-- about section -->
    <section class="about" id="about">
      <div class="about-img">
        <img src="Assets/about.png" alt="" />
      </div>
      <div class="about-content">
        <h2 class="heading">About <span>me</span></h2>
        <h3>What to know?</h3>
        <p>
```
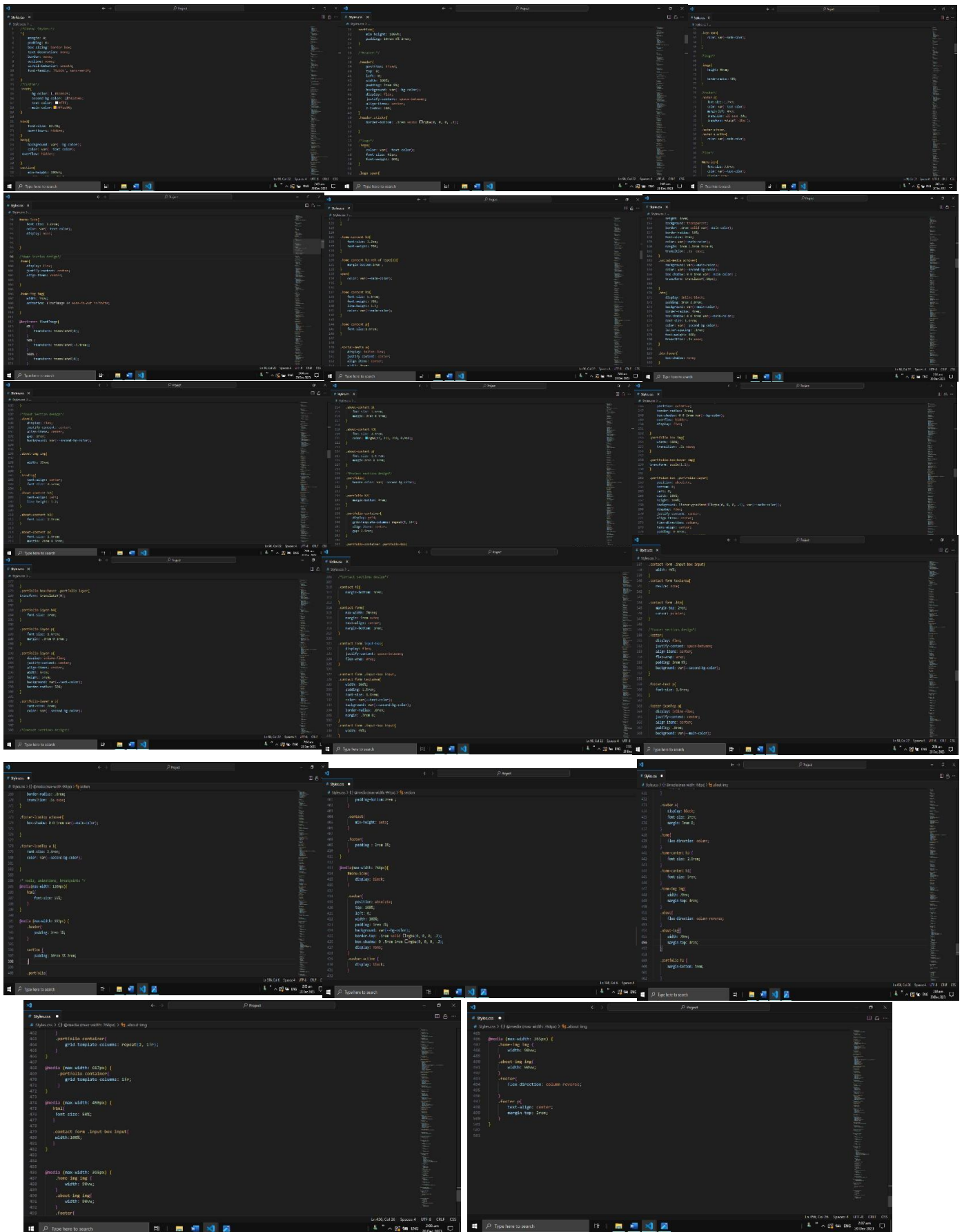
```html
        <p>
          Hello! I'm Flora Mae D. Requillo, an IT student with a passion for technology and its applications.
          Currently pursuing a Bachelor of Science in Information Technology at Bohol Island State University-Balilihan Campus, I am keenly interested in w
          I am 20 years old, hailing from Barangay Boyog Norte in the municipality of Balilihan, province of Bohol.
        </p>
        <p>
          Enjoying the process of getting started to learn and build skills.
        </p>
        <a href="#" class="btn">Read More</a>
      </div>
    </section>

    <!-- project section -->
    <section class="portfolio" id="portfolio">
      <h2 class="heading">Latest <span>Project</span></h2>

      <div class="portfolio-container">
        <div class="portfolio-box">
          <img src="Assets/portfolio1.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>JavaScript</h4>
            <p>Click to know more about JavaScript development</p>
            <a href="https://github.com/floramae2/Activity-6" target=""><i class="bx bx-link-external"></i></a>
          </div>
        </div>

        <div class="portfolio-box">
          <img src="Assets/portfolio2.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>Web Design</h4>
            <p>Explore this web design exercise.</p>
            <a href="https://floramae2.github.io/Exercise6/"><i class="bx bx-link-external"></i></a>
```

```html
        </div>
      </div>

        <div class="portfolio-box">
          <img src="Assets/portfolio3.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>Web Design</h4>
            <p>Discover some web design</p>
            <a href="https://floramae2.github.io/Exercise8/"><i class="bx bx-link-external"></i></a>
          </div>
        </div>

        <div class="portfolio-box">
          <img src="Assets/portfolio4.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>Web Design</h4>
            <p>Immerse yourself in the world of design with this exercise</p>
            <a href="https://floramae2.github.io/Exercise7/"><i class="bx bx-link-external"></i></a>
          </div>
        </div>

        <div class="portfolio-box">
          <img src="Assets/portfolio5.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>Web Design</h4>
            <p>Take a journey through the design elements of this exercise</p>
            <a href="https://floramae2.github.io/Exercise6/"><i class="bx bx-link-external"></i></a>
          </div>
        </div>

        <div class="portfolio-box">
          <img src="Assets/portfolio.jpg" alt="" />
```

```html
        <div class="portfolio-box">
          <img src="Assets/portfolio6.jpg" alt="" />
          <div class="portfolio-layer">
            <h4>JavaScript</h4>
            <p>Explore the world of JavaScript development in this activity.</p>
            <a href="https://github.com/floramae2/Activity2"><i class="bx bx-link-external"></i></a>
          </div>
        </div>
      </div>
    </section>

    <!-- contact section -->
    <section class="contact" id="contact">
      <h2 class="heading">Contact <span>Me!</span></h2>

      <form action="#">
        <div class="input-box">
          <input type="text" placeholder="Full Name" />
          <input type="email" placeholder="Email Address" />
        </div>

        <div class="input-box">
          <input type="number" placeholder="Mobile Number" />
          <input type="text" placeholder="Email Subject" />
        </div>
        <textarea
          name=""
          id=""
          cols="30"
          rows="10"
          placeholder="Your Message"
        ></textarea>
```

```html
          id=""
          cols="30"
          rows="10"
          placeholder="Your Message"
        ></textarea>
        <input type="submit" value="Send Message" class="btn"/>
      </form>
    </section>

    <!-- footer section -->
    <footer class="footer">
      <div class="footer-text">
        <p>Copyright &copy; 2023 by FMDR | All rights Reserved.</p>
      </div>

      <div class="footer-iconTop">
        <a href="#home"><i class="bx bx-up-arrow-alt"></i></a>
      </div>
    </footer>

    <!-- scroll reveal -->
    <script src="https://unpkg.com/scrollreveal"></script>

    <script src="script.js"></script>
  </body>
</html>
```

```javascript
// script.js >

//toggle Menu Icon and Navbar

let menuIcon = document.querySelector('#menu-icon');
let navbar = document.querySelector('.navbar');

menuIcon.onclick = () => {
    menuIcon.classList.toggle('bx-x');
    navbar.classList.toggle('active');
};

// Scroll section active link

let sections = document.querySelectorAll('section');
let navLinks = document.querySelectorAll('header nav a');

window.onscroll = () => {
    sections.forEach(sec => {
        let top = window.scrollY;
        let offset = sec.offsetTop - 150;
        let height = sec.offsetHeight;
        let id = sec.getAttribute('id');

        if (top >= offset && top < offset + height) {
            navLinks.classList.remove('active');
            document.querySelector('header nav a[href*=' + id + ']').classList.add('active');
```

```javascript
            document.querySelector('header nav a[href*=' + id + ']').classList.add('active');
        }
    });
};

// sticky navbar
let header = document.querySelector('header')
header.classList.toggle('sticky', window.scrollY > 100);

// remove toggle icon and navbar when click navbar link
menuIcon.classList.remove('bx-x');
navbar.classList.remove('active');
};

// Scroll reveal
ScrollReveal({
    distance: '80px',
    duration:2000,
    delay:200
});

ScrollReveal().reveal('.logo', {origin:'left' });
ScrollReveal().reveal('.home-content, .heading', {origin:'top' });
ScrollReveal().reveal('.home-img, .portfolio-box, .contact form', {origin:'bottom' });
ScrollReveal().reveal('.home-content h1, .about-img', {origin:'left' });
ScrollReveal().reveal('.home-content p, .about-content', {origin:'right' });
```

HTML document serves as the foundation for a personal website showcasing my skills and projects in the field of information technology. The webpage includes sections such as Home, About Me, Projects, and Contact, providing visitors with insights into my background, skills, and recent endeavors. The design is clean and user-friendly, featuring navigation links, social media connections, and a portfolio highlighting various web development and JavaScript projects.

JavaScript code provides functionality for a webpage, particularly for handling navigation and scroll-related interactions. Here's a short description:

1. **Toggle Menu Icon and Navbar:**
   - The code selects the menu icon and navbar elements using `document.querySelector`.
   - It adds a click event listener to the menu icon.
   - When the menu icon is clicked, it toggles the class 'bx-x' on the menu icon and adds/removes the 'active' class on the navbar.

2. **Scroll Section Active Link:**
   - It selects all the sections and navigation links in the header.
   - Adds a scroll event listener to the window.
   - On scrolling, it checks each section's position relative to the window.
   - Updates the active link in the navigation based on the section currently in view.

3. **Sticky Navbar:**
   - It toggles the 'sticky' class on the header when the user scrolls more than 100 pixels.

4. **Remove Toggle Icon and Navbar on Link Click:**
   - Removes the 'bx-x' class from the menu icon and 'active' class from the navbar when a navbar link is clicked.

5. **Scroll Reveal:**
   - Uses the ScrollReveal library to animate elements on the page when they come into view during scrolling.
   - Different elements have different reveal animations (e.g., left, top, bottom, right).

CSS

CSS code covers various aspects of styling for a webpage. Here's a brief overview of the key sections and features:

1. **Global Styles:**
   - Resets default margin, padding, and box-sizing.
   - Applies smooth scrolling behavior.
   - Sets the default font family to 'Rubik'.
   - Defines custom color variables in the `:root` selector.

2. **Header:**
   - Fixed header with a background color, positioned at the top of the viewport.
   - Includes a logo with a distinctive color span.
   - Hides the menu icon by default.

3. **Home Section:**
   - Centered content with flexbox.
   - Animated floating image.
   - Responsive font sizes and styling for the content.

4. **About Section:**
   - Centered and flexbox-aligned layout.
   - Responsive styling for text and images.

5. **Portfolio Section:**
   - Grid layout for portfolio items with hover effects.
   - Uses a layer for additional information on hover.

6. **Contact Section:**
   - Responsive form layout with input boxes and a submit button.

7. **Footer:**
   - Positioned at the bottom of the viewport.
   - Includes social media links with hover effects.

8. **Media Queries:**
   - Adjusts font size and layout for various screen sizes.
   - Makes the navigation bar responsive for smaller screens.
   - Modifies the layout and styling for different screen sizes.

9. **Animations:**
   - Implements a floating animation for certain images.
   - Uses keyframes for smooth transitions.

10. **Breakpoints:**
    - Adjusts the font size and layout for different screen sizes using media queries.