

Class 4: Deployment to Netlify & QR Code

SESSION OVERVIEW

By the end of this session, students will be able to:

- Finalize basic CSS styling, including fonts, colors, margins, padding, text alignment, and image resizing.
- Understand the basics of Netlify and its role in deploying static websites.
- Learn how to deploy an HTML & CSS-based webpage to Netlify with ease.
- Generate and embed a QR code that links to the live event invitation page.
- Successfully deploy the event invitation project and test its functionality on a live server.

Creating a Thank You Page:

Let's create a clean and visually appealing Thank You page using **HTML and CSS**.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Thank You!</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      background-color: #f8f9fa;
      padding: 50px;
    }
    .container {
      background: white;
      padding: 30px;
      border-radius: 10px;
      width: 60%;
      margin: 0 auto;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1>Thank You!</h1>
    <p>We appreciate your participation in our event. Your feedback is highly valued and will help us improve our future offerings. Thank you for being a part of our community.</p>
    <img alt="QR code linking to the event invitation page" data-bbox="450 750 550 850"/>
  </div>
</body>
</html>
```

```
img {
  width: 300px;
  margin-bottom: 20px;
}
h1 {
  color: #28a745;
}
p {
  color: #555;
}
</style>
</head>
<body>
  <div class="container">
    
    <h1>Thank You for Your RSVP!</h1>
    <p>We appreciate your response and look forward to seeing you at the
event.</p>
  </div>
</body>
</html>
```

Explanation:

This code creates a **Thank You Page** that displays a confirmation message after a user submits their RSVP.

1. HTML Structure:

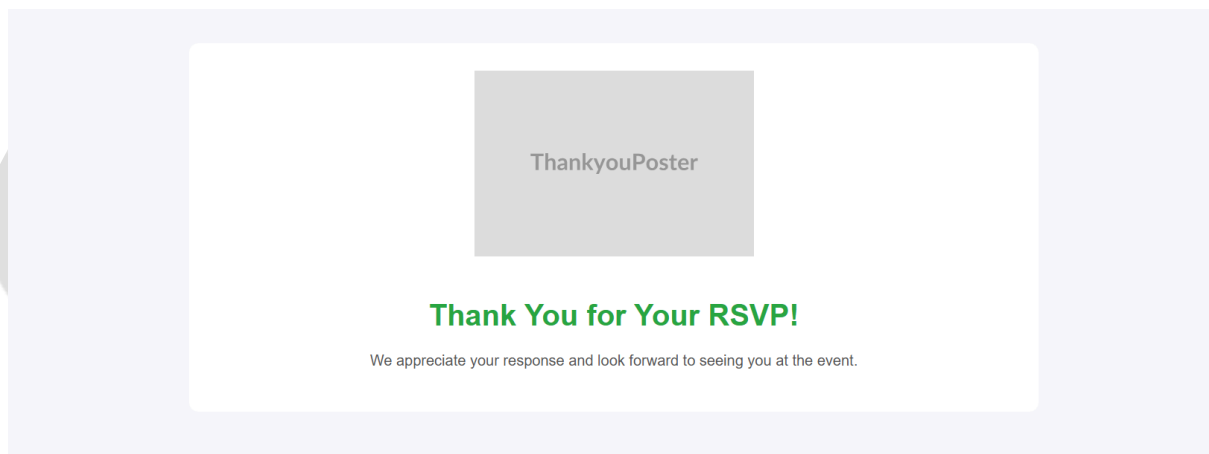
- The document starts with `<!DOCTYPE html>` to define it as an HTML5 document.
- Inside `<head>`, the page title and meta tags for character encoding and responsiveness are included.
- The `<body>` contains a **.container div** that holds:
 - An **image** (``) as a visual element.
 - A **heading** (`<h1>`) thanking the user for their RSVP.
 - A **paragraph** (`<p>`) with a message of appreciation.

2. CSS Styling:

- **Body Styling:**
 - Uses **text-align: center** to center all content.
 - Sets a light gray **background (#f8f9fa)** and padding for spacing.

- **Container Styling:**
 - Adds a white background, padding, rounded corners, and centers it with **margin: 0 auto.**
- **Image Styling:**
 - Sets a width of 300px and adds spacing below.
- **Text Styling:**
 - **Heading (h1)** is styled with a green color (#28a745).
 - **Paragraph (p)** uses a neutral gray (#555) for readability.

Output:



Updated Index.html:

Here we will add the **Thankyou.html** page link to the **action** attribute of the form.

```
<form action="Thankyou.html">
  <label for="name">Name:</label>
  <input type="text" id="name" required><br><br>

  <label for="email">Email:</label>
  <input type="email" id="email" required><br><br>

  <label for="attending">Will you attend?</label>
  <select id="attending">
    <option value="yes">Yes</option>
    <option value="no">No</option>
  </select><br><br>

  <input type="submit" value="Submit RSVP">
</form>
```

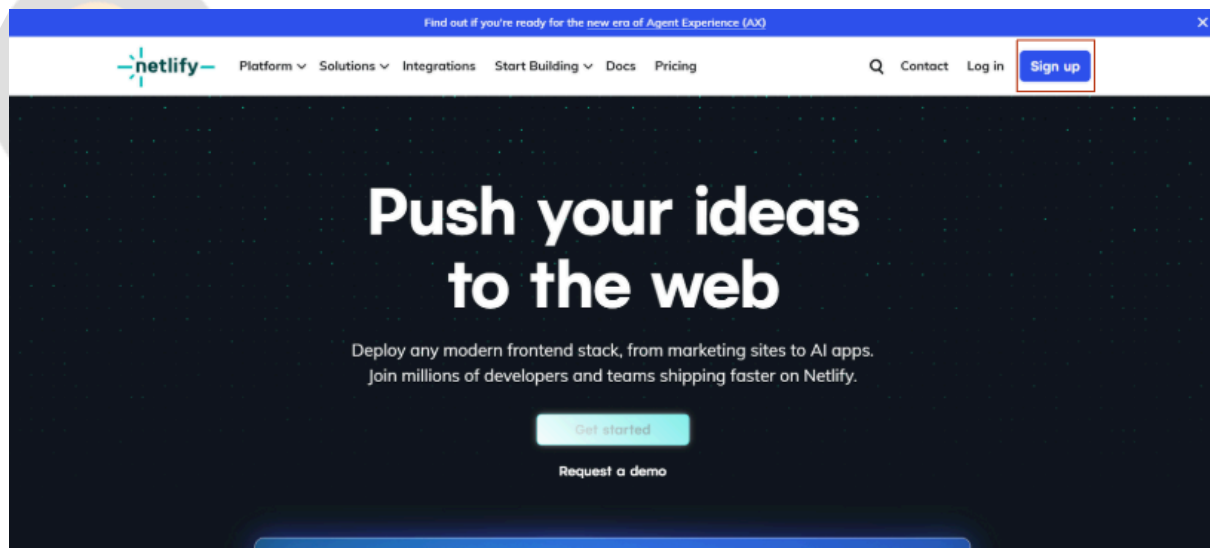
Deployment on the Netlify:

Guide: Hosting a Static Website on Netlify

Netlify provides an easy way to host static websites with just a few clicks. Follow these simple steps to deploy your **HTML, CSS, and JS** files on **Netlify**.

Step 1: Visit Netlify

1. Open your web browser and go to [Netlify's website](#).
2. Click on **"Sign Up"** (if you don't have an account) or **"Log In"** (if you already have one).



Step 2: Sign Up / Log In

1. You can sign up using **GitHub, GitLab, Bitbucket, or Email**.
2. If signing up via email:
 - Enter your email and create a password.
 - Check your email for a **verification link** and confirm your account.
 - Fill in basic profile details if prompted.



Sign up to deploy your project

Sign up with GitHub

Sign up with GitLab

Sign up with Bitbucket

Sign up with email

Already have an account?
[Log in](#)

By signing up with Netlify, you agree to our [terms of service](#).

Step 3: Access Netlify Dashboard

Once logged in, you'll be directed to your **Netlify Dashboard**, where you can start deploying your website.

Step 4: Deploy Your Static Website

1. Click on **"Try Netlify Drop"** (For file upload deployment).
2. Choose **"Deploy a Static Site"** option.



Deploy your first project.

Not ready yet? [Skip this step for now.](#)

GitHub

GitLab

Bitbucket

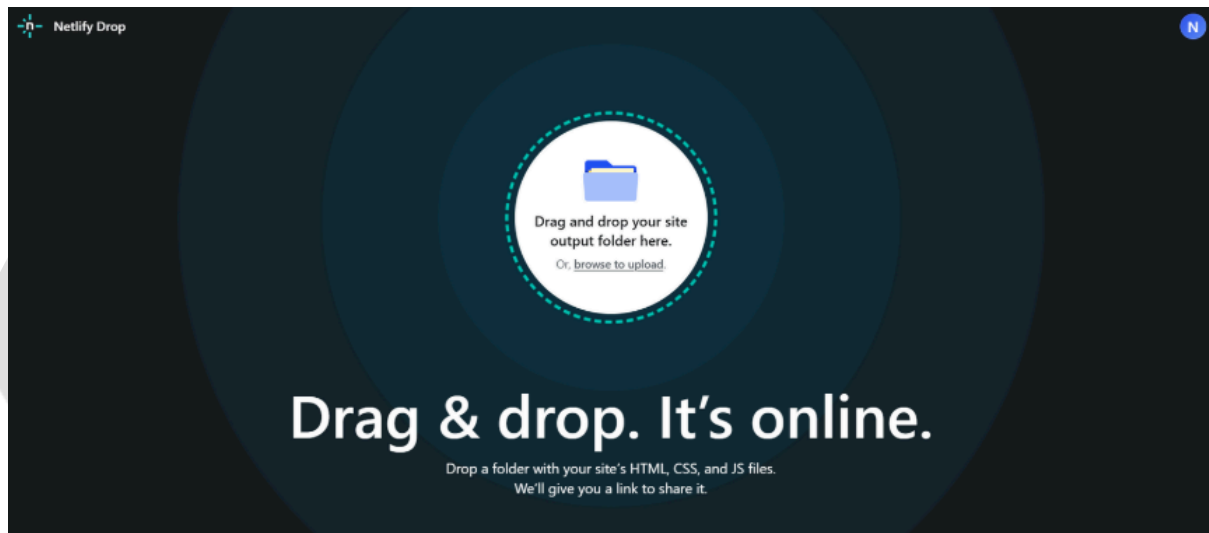
Azure DevOps

Get started another way

[Try Netlify Drop](#) or [choose a template](#)

Step 5: Upload Website Files

1. **Drag and drop** your **HTML, CSS, JS, and other assets** into the **Netlify deploy area**.
2. Netlify will automatically upload and process your files.
3. Once the upload is complete, Netlify will **generate a live URL** for your site.

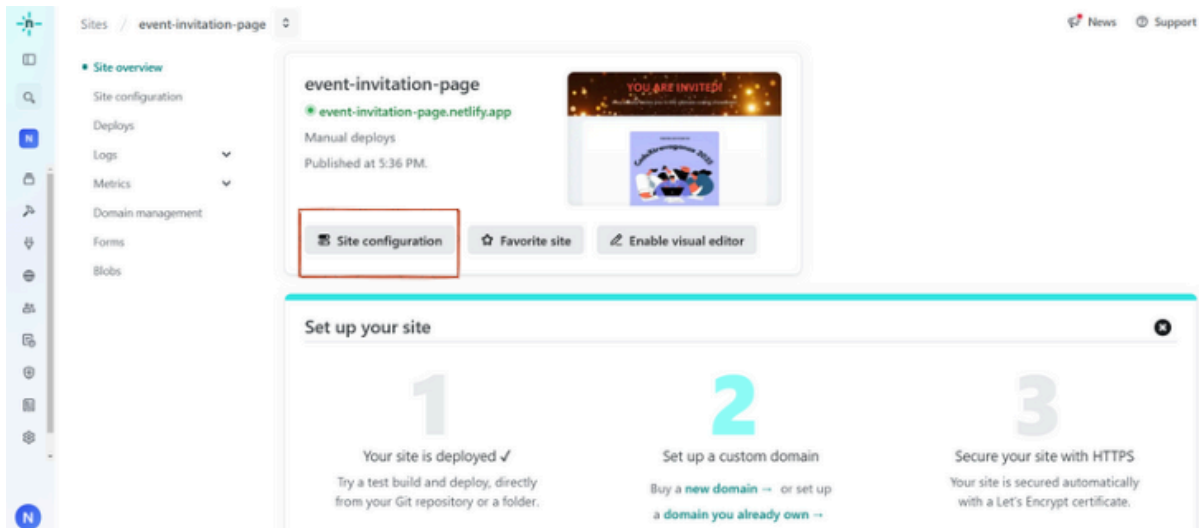


Step 6: Test and Customize

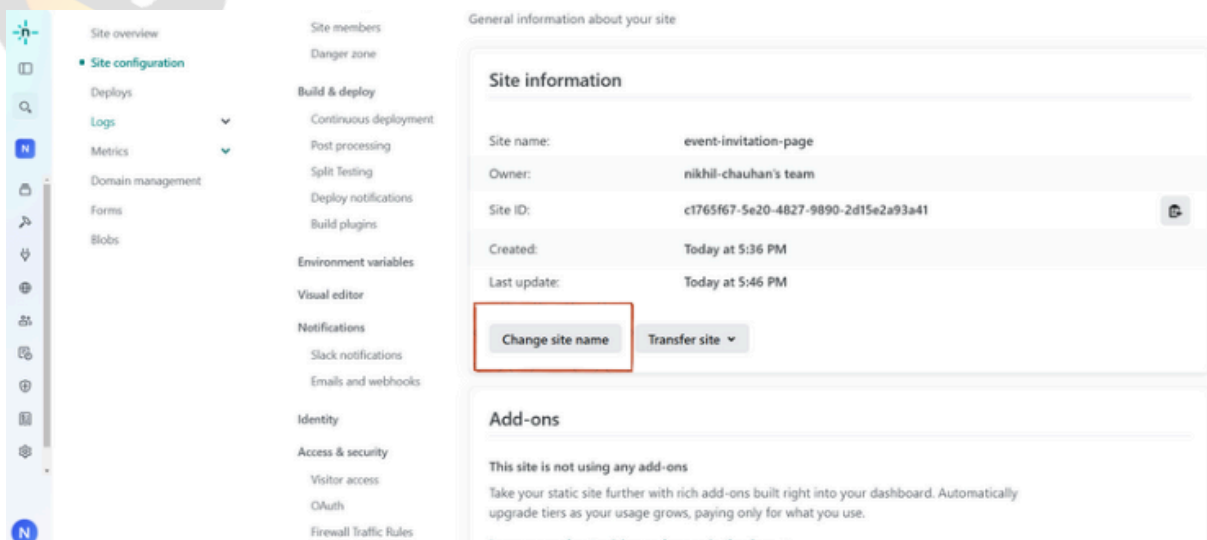
1. Click on the **live site URL** to preview your website.
2. You can customize the URL by going to **Site Settings** → **Domain Management**.

Change the Site Name:

Step 1: Click on the “**Site Configuration**” Button



Step 2: Click the "Change site name" button. A modal will appear. Enter your desired site name and confirm the changes.



Generating QR Code for Live Website Link

After deploying your website, you can generate a **QR code** to make it easy for your audience to access your live website.

Steps to Generate a QR Code for Your Website:

1. **Go to a QR Code Generator Website:**
 - Use a trusted QR code generation website, such as:
 - [QR Code Generator](#)
 - [QRStuff](#)
 - [GoQR](#)

- These websites allow you to generate QR codes for URLs, text, email, and other data types.
 - 2. **Generate the QR Code:**
 - **Step 1:** Go to your live website URL (the one provided after deploying your project on platforms like Netlify).
 - **Step 2:** Copy the live URL (e.g., **`https://event-invitation-page.netlify.app/`**).
 - **Step 3:** Paste the URL into the QR code generator's input field.
 - **Step 4:** Click on the “**Generate**” or “**Create QR Code**” button to create your QR code.
 - 3. **Download and Share the QR Code:**
 - Once the QR code is generated, you will be able to **download** the image file.
 - Save it and share it on your website, presentations, printed materials, or social media to allow easy access to your live website.
-

Tips and Tricks:

1. **HTML Learning:** <https://developer.mozilla.org/en-US/docs/Web/HTML>
2. **HTML Practice:** <https://www.naukri.com/code360/web-development>

Useful Resources:

1. Naukri Code360(<https://www.naukri.com/code360/web-development>)

A platform designed to assist individuals in preparing for coding interviews. It offers guided paths, and coding problem solutions.

2. CodePen (<https://codepen.io>)

CodePen is an online front-end development environment and code editor used for writing, sharing, and testing **HTML, CSS, and JavaScript** code in real time. Developers and designers use it for prototyping, debugging, and showcasing projects.

3. Wappalyzer(<https://www.wappalyzer.com>)

Wappalyzer is a browser extension and tool that detects the **technologies** used on websites, such as CMS, frameworks, programming languages, and analytics tools.

4. Awwwards(<https://www.awwwards.com>)

Awwwards is a prestigious website that recognizes and awards **outstanding web design, creativity, and innovation**.

Follow tech blogs like [Smashing Magazine](#), and [Dev.to](#) to stay current with industry trends

