

# Documentation

**GITHUB:** <https://github.com/Mihnea323/DesignWebProject>

## 1. Project Overview

The "Explore Cluj-Napoca" website is designed to provide tourists and residents with information about the city. It covers history, events, services, sightseeing, and contact details.

### 1.1 Features:

- Responsive design for optimal viewing across devices.
- Navigation bar with links to History, Events, Services, Sightseeing, and Contact pages.
- Visually appealing pages.
- Integration of external weather forecasting links.
- Social media links for broader engagement.

## 2. Folder Structure

Below is the folder structure for the project:

```
/Assets
/ContactPage
  - ContactUs.html
  - contactStyle.css
/EventsPage
  - events.html
  - eventsStyle.css
/GalleryPage
  - sightseeing.html
  - sightseeing.css
/HistoryPage
  - History.html
  - historyStyle.css
/ServicesPage
```

```
- services.html
- servicesStyle.css
/HomePage
- home.html
- styles.css
```

## 3. Homepage ( `home.html` )

The homepage introduces the website, showcasing the city center.

### 3.1 HTML Overview:

- **Header:** A responsive navigation bar with SVG icons and links for easy navigation to the other pages, weather link.
- **Main Content:** Title and tagline for the city.
- **Footer:** Copyright details and social media links.

### 3.2 CSS Overview:

- **Container:** Ensures the full viewport is used for a background image.
- **Responsive Design:** Media queries adjust font sizes, padding, and layout for various screen sizes.

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## 4. Contact Page ( `ContactUs.html` )

### 4.1 HTML Overview

The HTML structure is divided into the following sections:

#### 1. Header (Navigation Bar):

- A responsive navigation bar with SVG icons and links for easy navigation.
- Utilizes `<header>`, `<nav>`, and `<a>` tags.

#### 2. Main Content:

- **Left Section:** Displays a decorative image.
- **Center Section:** Features a contact form ( `<form>` ), including input fields and a submit button.

- **Right Section:** Contains additional contact information, social media links, and an embedded Google map.

### 3. Footer:

- A styled footer with social media links and copyright information.
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## 4.2 CSS Overview

### 1. Global Styles:

- Applied to `body` and `html` for consistent layout and responsive behavior.

### 2. Navigation Bar Styles:

- Flexbox layout for alignment of links and icons.
- Hover effects for interactivity.

### 3. Main Content Layout:

- CSS Grid divides the page into three columns (left, center, and right sections), or one column for smaller screen sizes.
- Responsive design ensures adaptability to different screen sizes.

### 4. Form Styling:

- Input fields and buttons styled for aesthetics and usability.
- Focus effects for accessibility.

### 5. Footer Styles:

- Semi-transparent background with centered text and social media icons.

## 5. Events Page ( `events.html` )

The **Events Page** provides users with a list of upcoming events, offering detailed information about each event, such as date, time, and location.

### 5.1 HTML Overview

The HTML structure is organized as follows:

#### 1. Header (Navigation Bar):

- Same as before.

## 2. Main Content:

- **Title Section:** Displays the page title.
- **Event List Section:** A series of event cards, each displaying event details like the name, date, time, and location.
- **Filter Section:** Users can filter events based on categories such as cultural, conferences, workshops. The filter and search functionality are not implemented, their role is only to provide variety for the design.

## 3. Footer:

- Same as before.

## 5.2 CSS Overview

### 1. Global Styles:

- The layout is adjusted to make use of Flexbox and Grid for arranging event cards and filter options.
- CSS variables are used to define consistent colors, fonts, and spacing for easy maintenance and reusability.

### 2. Navigation Bar Styles:

- Similar to the homepage, the navbar is styled to remain fixed at the top of the page as users scroll down.
- Hover effects are added to enhance user interaction with the navigation links.

### 3. Event List Layout:

- Event cards are displayed in a grid format with responsive columns depending on the screen size.
- Hover effects on event cards provide visual feedback when users interact with them.

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## 6. Gallery Page ( `sightseeing.html` )

The **Gallery Page** showcases images about key tourist attractions in Cluj-Napoca.

### 6.1 HTML Overview

The HTML structure is organized as follows:

1. **Header (Navigation Bar):**

- Similar to the homepage and other pages.

2. **Main Content:**

- **Gallery Section:** Displays a grid of images of different sightseeing locations.

3. **Footer:**

- Standard footer, same as before.

## 6.2 CSS Overview

1. **Grid Layout for Images:**

- The gallery is displayed using CSS Grid, ensuring that the images are responsive and adjust automatically to the screen size.
  - Hover effects are applied to images, displaying a slight zoom effect when users hover over them.
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## 7. History Page ( **History.html** )

### 7.1 HTML Overview

The HTML structure is organized as follows:

1. **Header (Navigation Bar):**

- Same as before.

2. **Main Content:**

- **Historical Timeline:** A series of sections detailing significant historical events in Cluj-Napoca, with images, text.

3. **Footer:**

- Standard footer, same as before.

### 7.2 CSS Overview

- **Global Styles:** Custom colors using CSS variables and a white background with a pastel yellow texture.

- **History Section:**
    - The `.history-section` class uses padding and max width for a centered layout.
    - History items animate with a fade-in effect.
    - Alternating content layout for visual balance.
  - **Images:** Images have a border-radius and a hover effect that enlarges them slightly.
  - **Responsive Design:** Adjusts layout for smaller screens with tweaks to font sizes and image sizes.
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## 8. Services Page ( `services.html` )

### 8.1 HTML Overview

#### 1. Header Section

- The page begins with a `<header>` that contains a navigation menu that is the same as before.

#### 2. Main Section

- The **main section** is divided into several parts:
  - Each **service** is presented inside a `<div>` with a title, description, and icon.
  - Services are grouped in a **grid layout** using `<section>` tags for easy styling and flexibility.
  - Each service block has its own unique content with a title, a brief description.

#### 3. Footer Section

- The **footer** is the same as before.

### 8.2 CSS Overview

#### 1. Layout and Grid

- The service items are arranged in a responsive **grid layout** using Flexbox, ensuring the design adjusts for various screen sizes.

- The `service-container` class uses `display: flex;` and `flex-wrap: wrap;` to align the items in rows and columns.

## 2. Hover Effects

- **Service items** change in appearance when hovered, including a color shift and a slight scale-up to provide interactivity feedback.

## 3. Responsiveness

- Media queries are used to ensure the page is fully responsive, rearranging content for **smaller screen sizes** (like mobile and tablets) with **stacked layouts** for service items.
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# 9. Responsive Design Considerations

The website uses various techniques to ensure it is fully responsive:

## 1. Media Queries:

- Ensures that different layouts, font sizes, and spacing are applied depending on the screen size.

## 2. Flexbox and CSS Grid:

- Used extensively throughout the project for flexible layouts that adjust based on content and screen size.