

WebRTC	Student information	Date	Pin
	Matricola N. 0001/24312 Name: Carlos Sampedro Mdz.	9-1-24	75114
	Project Documentation		

Visit Naples

Visit Naples is a web project offering a guide to Naples through an engaging and interactive platform. The project includes the following sections:

- Home Page: Welcoming visitors with an overview of Naples.
- Gastronomy: Exploring the culinary traditions of the city.
- Sites: Highlighting the most important landmarks and attractions.
- Football: Celebrating Naples' passion for football, including SSC Napoli club history.
- Meteorology: Providing up-to-date weather information.
- Game: An interactive head or tails game that pays homage to the Federico II University.
- Reservations: Allowing users to book experiences or services.

The project employs a variety of technologies, including HTML, CSS, JavaScript, PHP, XML, DTD, and XSL, to deliver a good experience.

Breadcrumbs are included on every page to enhance navigation

Home Page

The Home Page features an interactive roulette for the main image. This functionality, implemented in index.js, ensures that a randomly selected image is displayed each time the page is loaded, creating better user experience. Additionally, the page includes a registration form, allowing visitors to sign up with ease.


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Welcome to Naples!

Discover the beauty, history, and culture of Naples with our incredible tours and guides.



Adventure Awaits!

Join us to explore Naples with unique tours, expert guides, and unforgettable experiences.

Register Now

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Sites

The Sites Page presents the most iconic landmarks of the city, with the site data structured in XML. The data follows a DTD and the XML data is then transformed into HTML using XSL, which allows it to be displayed in a table format with appropriate styling via CSS.

Features:

- **Table:** Displays site names, descriptions, images, and locations.
- **ComboBox:** Below the table, a combo box allows users to select a site. When selected, the photo, position on Google Maps, price and opening hours of the site are displayed for further details.

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Iconic Sites in Napoli

Name	Description
Duomo di San Gennaro	Home to the city's patron saint, San Gennaro, this magnificent cathedral showcases stunning Gothic and Baroque architecture. Don't miss the Chapel of the Treasure of San Gennaro and its relics.
Piazza del Plebiscito	A grand square in Naples, known for its historical significance and beautiful architecture.
Castel dell'Ovo	The oldest standing fortification in Naples, located on the sea, offering stunning views.
Vesuvius Volcano	One of the world's most famous active volcanoes, offering breathtaking views of Naples and the Bay of Naples. Visitors can hike to the crater for a unique experience.
National Archaeological Museum	Home to one of the most impressive collections of Greco-Roman antiquities, including artifacts from Pompeii and Herculaneum.
Palazzo Reale di Napoli	A grand royal palace that was once home to Spanish and later Neapolitan monarchs. It offers opulent rooms and expansive gardens with views of the Gulf of Naples.
Spaccanapoli	A narrow, bustling street that cuts through the heart of Naples, known for its vibrant shops, churches, and traditional Neapolitan pizzerias.
Quartieri Spagnoli	Known for its narrow alleys, vibrant street art, and local life, the Spanish Quarter offers an authentic glimpse of traditional Neapolitan culture.

Choose a site:

Duomo San Gennaro



Catedral de Nápoles

Ampliar el mapa



Price: Free!

Opening Hours: 8:00 AM - 7:00 PM

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Project for Web Real-Time Communication

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Gastronomy

The Gastronomy Page of Visit Naples showcases some of the most iconic dishes of the city. The page features detailed articles about popular Neapolitan dishes, including Pizza Margherita, Pizza Fritta, Pasta e Patate, Ragù, Parmigiana di Melanzane, and Frittata di Pasta.

Each article includes:

- A description of the **ingredients**.
- A brief **history** of the dish, explaining its origins and significance to Naples and Italian cuisine.
- **Images** of the dishes.

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Gastronomy of Naples

1. Pizza Margherita



Ingredients

- Tomato
- Mozzarella
- Fresh basil
- Extra virgin olive oil

History

Created in 1889 by Raffaele Esposito to honor Queen Margherita of Savoy, symbolizing Italy's national colors: red with tomato, white with mozzarella, and green with basil.

2. Pizza Fritta



Ingredients

- Neapolitan pizza dough
- Ricotta
- Provolone
- Salami

History

Originated in the late 1800s among working-class Neapolitans who fried leftover pizza dough as a convenient street food. During World War II, as many ovens were destroyed, Pizza Fritta became even more popular, especially among Neapolitan women who sold it in the streets.

3. Pasta e Patate



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4. Ragù



Ingredients

- Ground beef
- Ground pork
- Tomato paste
- Onion
- Carrot
- Celery
- Red wine
- Milk

History

Ragù originated in Bologna, evolving from French culinary traditions into a meat-based sauce. Used in classic Italian dishes such as lasagna and tagliatelle, it has become an iconic element of Italy's gastronomic heritage.

5. Parmigiana di Melanzane



Ingredients

- Eggplant
- Tomato sauce
- Mozzarella
- Parmesan cheese
- Olive oil
- Basil

History

A traditional dish from Southern Italy, Parmigiana di Melanzane is believed to have originated in Sicily, though it is widely enjoyed throughout the country. The dish layers fried eggplant, tomato sauce, and cheese, creating a delicious meal.

6. Frittata di Pasta



Ingredients

- Leftover pasta
- Eggs
- Cheese (e.g., Parmesan or mozzarella)
- Onion
- Olive oil
- Fresh herbs (optional)

History

Frittata di Pasta is a traditional Neapolitan dish born out of the use of leftover pasta. It's a simple yet satisfying meal where pasta is combined with eggs and other ingredients, then fried into a golden, crispy omelet.

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Football

The Football Page of Visit Naples focuses on the city's beloved football club, SSC Napoli. It covers key aspects such as the club's rich history, its home stadium Stadio Diego Armando Maradona, and a detailed list of the team's trophies and titles.

Key Features:

- **SSC Napoli:** A brief history of the club, including its formation in 1926 and its success in Italian football.
- **Stadium Info:** Information about Stadio Diego Armando Maradona, including its renaming in 2020 to honor Diego Maradona.
- **Trophies and Titles:** A table listing the club's major achievements over the years, including Serie A titles, Coppa Italia, and UEFA Cup wins.
- **Recent Achievements:** A section highlighting Napoli's 2022-2023 Serie A title win.
- **Club Anthem:** An audio player for Napoli's anthem, "O surdato 'nnammurato."

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SSC Napoli

SSC Napoli, officially known as Società Sportiva Calcio Napoli, is a professional football club based in Naples, Italy. Founded in 1926, the team has a rich history and is one of the most successful clubs in Italian football. Napoli plays its home matches at the iconic Stadio Diego Armando Maradona, named after the legendary Argentine player who led the club to its first Serie A titles in 1987 and 1990. Known for its passionate fanbase, vibrant style of play, and historic rivalries, Napoli has won numerous domestic and international trophies, including Serie A, the Coppa Italia, and the UEFA Cup.




Stadium

The Stadio Diego Armando Maradona, located in Naples, Italy, is the home stadium of SSC Napoli. Opened in 1959, it was originally named Stadio San Paolo but was renamed in 2020 to honor football legend Diego Maradona. The stadium has a capacity of approximately 54,726 seats, making it one of the largest stadiums in Italy.



Trophies and Titles

Title	Year	Title Number
Serie B (Second Division Championship)	1949-50	1
Coppa Italia (Italian Cup)	1962-63	1
Coppa Italia (Italian Cup)	1975-76	2
Serie A (Italian League Championship)	1986-87	1
Coppa Italia (Italian Cup)	1986-87	3
UEFA Cup (now UEFA Europa League)	1988-89	1
Serie A (Italian League Championship)	1990-91	2
Supercoppa Italiana (Italian Super Cup)	1990	1
Coppa Italia (Italian Cup)	2011-12	4
Supercoppa Italiana (Italian Super Cup)	2014	2
Coppa Italia (Italian Cup)	2013-14	5
Coppa Italia (Italian Cup)	2020-21	6
Serie A (Italian League Championship)	2022-23	3



Napoli won their 3rd Serie A title in the 2022-23 season, their first without Maradona after 33 years. They finished with 90 points (28 wins, 6 draws, 4 losses), led by MVP Victor Osimhen, who scored 26 goals, and Khvicha Kvaratskhelia's key contributions.

Anthem

0:00 / 3:20

"O surdato 'nnammurato" is a famous Neapolitan folk song written in 1915. Although it wasn't originally Napoli's anthem, it has become closely linked to the club. The song is in the Neapolitan dialect, not Italian.

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Meteorology

The Meteorology Page on Visit Naples provides users with a 5-day weather forecast for Naples, retrieved from the OpenWeatherMap API with the use of JS. It displays current weather conditions, temperatures, humidity, wind speeds, and forecasts for the upcoming days, helping visitors plan their trips accordingly. The data is fetched in real-time, ensuring accurate and up-to-date information directly from the API.


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Naples Weather Report

Thursday




Max Temp: 14.89° Min Temp: 14.18° Rain: 0.7mm Humidity: 81% Wind: 5.4km/h

Friday




Max Temp: 12.83° Min Temp: 12.83° Rain: 0mm Humidity: 67% Wind: 3.23km/h

Saturday



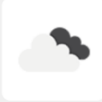
Max Temp: 12.18° Min Temp: 12.18° Rain: 8.82mm Humidity: 91% Wind: 5.19km/h

Sunday



Max Temp: 7.19° Min Temp: 7.19° Rain: 0.28mm Humidity: 53% Wind: 9.92km/h

Monday



Max Temp: 6.43° Min Temp: 6.43° Rain: 0mm Humidity: 58% Wind: 6.78km/h

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Game

The Game Page can be accessed from the Home Page or the main navigation bar. It features a fun Head or Tails game where the user can choose between "Heads" or "Tails" and flip a virtual coin. The game includes animations and keeps track of the player's wins and losses.

Coin Imagery and Design


The coin images used in the game pay homage to two important symbols in Naples:

1. **Heads:** The coin's heads side features a design that honours the new Federico II logo.
2. **Tails:** The coin's tails side pays tribute to the old University logo, before its change to Federico II.

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Head Or Tails Game



Wins: 1
Losses: 0

Choose Heads
Choose Tails

Correct! You won!

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Reservations

The Reservations Page can be accessed from the Home Page or the main navigation bar. It allows users to book various activities in Naples by filling out a form that includes the following details:

- Activity selection (e.g., Pompeii, Vesuvius, Caserta Royal Palace)
- Date and time preferences
- Email (for confirmation)
- Number of people

The submitted reservation data is stored in a database, and users must be registered to book any activity. If the user is not registered, they will be prompted to register before proceeding.

Form Validation and Error Handling

Errors are triggered if:

1. The email and repeated email do not match: Ensures the user's email is consistent across both fields.
2. An invalid email format is entered: The email must follow the correct syntax, such as:
 - Including an "@" symbol.
 - A valid domain name (e.g., example.com).
 - No spaces or invalid characters.
3. The user has already made a reservation for the selected activity at the chosen time: Conflicts with existing bookings are checked against the database.
4. Any required field is left empty: All fields must be filled out correctly to complete the reservation.

If any validation errors occur, the form will display an appropriate error message, asking users to correct the input before proceeding with the reservation. Once all details are valid, the reservation is added to the database, confirming the booking.

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Make your reservation

Choose an activity:
Herculaneum

Choose a date:
09/01/2025


Choose an hour:
11:00

Email:
carlosm@gmail.com

Repeat Email:
carlosm@gmail.com

Number of people:
1

Confirm



Herculaneum: A Roman city better preserved than Pompeii.
Price: 18€ per person

You need to be registered to make a reservation. Not registered yet? [Register now](#)

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Registry

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Register to access exclusive Tour Reservations

Username

Email

Password

Register

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The Registry Page can be accessed from the Home Page or the Reservations Page. It features a form that collects the following user details:

- **Username**
- **Email**
- **Password**

The submitted data is stored in a database, managed using PHP. Users must be registered to make reservations, ensuring proper account validation.

Form Validation and Error Handling

The registry form includes error handling with JS to ensure data prevent invalid submissions. Errors are triggered if:

1. **Any field is left empty:** All fields are mandatory.
2. **The username or email already exists:** Duplicate entries are checked against the database.

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3. **The email format is invalid:** The email must follow proper syntax rules, such as:

- Including an "@" symbol.
- A valid domain name (e.g., example.com).
- No spaces or invalid characters.

If any validation rule is violated, the form displays an appropriate error message, prompting users to correct their input.