HYP 2021-22

Project Implementation – General Instructions

Your starting point

- C-IDM schema in the large
- Content TABLES (content design in the small)
- Mappings Content-Tables->Pages
- P-IDM schema
- LOW FIDELITY WIREFRAMES (PAGE STRUCTURES)
- DB DESIGN (ER Schema and Logic design (Tables))

What do you have to do?

Client

For the Client implementation we ask you to develop the website of a tourist office of a cultural tourism destination ("art town") using NuxtJS.

Pages

The website must contain (at least) these pages:

1. **HOMEPAGE**
2. **"ABOUT US" PAGE**
3. **"CONTACT US" PAGE**
4. **MULTIPLE TOPICS PAGES (Content from DB)**
    - **MT1: Events – AT LEAST 10 INSTANCES**
    - **MT2: Points of Interest – AT LEAST 20 INSTANCES**
    - **MT3: Itineraries – AT LEAST 3 INSTANCES**
    - **MT4: Service Types – AT LEAST 10 INSTANCES**
5. **GROUPS PAGES (Content from DB)**
    - **G1: "All Events"**
    - **G2: "All Points of Interest"**
    - **G3: "All Itineraries"**
    - **G4: "All Service Types"**

Relations

Links for all relevant relationships must be implemented:

- An EVENT is HOSTED in a Point of Interest
- A Point of Interest HOSTS one or more EVENTS
- An Itinerary INVOLVES several Points of Interest
- A Point of interest IS INVOLVED in one Itinerary (or more)

THE WHOLE CODE SHOULD BE COMMENTED IN ORDER TO FACILITATE THE COMPREHENSION OF THE INSTRUCTORS.

Server

Even though it's not the focus of this course, a server needs to be implemented. For this reason we suggest you to extend the functionalities of an already made web server that we provide you on GitLab. The server will be hosted on Heroku.

You are not forced to use this solution. If you want to implement and host your server using other means, feel free to do it. Remember, though, that we will not evaluate the server implementation.

This part is mandatory in order to have your application reachable online.

Database

The Database should be implemented following what you designed for the DB Design (see Design Project Specifications).
We suggest you use PostgreSQL.

Github

Every team should host its code on a private GitHub repository. All the instructors must be invited as viewers of the repository so that we can have access to your code for the evaluation.
All the team members are required to commit and push their work to the common team repository under their individual name so that instructors will be able to discern the actual contribution ratio for each of them.

What to deliver

All we ask to deliver is a .txt file with inside:

1. the link to your website
2. the link to your GitHub repository

The GitHub repository should contain a README file with inside:

- Presentation and Contribution of each group member.
- A comprehensive project documentation explaining how the application has been organized (components used and functionalities, routing, store…).
- A short description of how, in your opinion, you were relevant to the best practices of the framework used

Evaluation

Grades will be assigned for:

- **Technical correctness of pages implementation.**
- **Components Structure and reusability**: an application in Vue/Nuxt can be seen as a set of components. We will assess the number and organization of components used.
- **SEO optimization:** We will evaluate the choices made by the teams and how they contribute to SEO optimization.
- **Adherence to Vue/Nuxt best practices:** as frameworks with high scalability often you can achieve the same results with different codes. We will reward those who will use in the most appropriate way the features of the given framework.
- **Responsivity**: when changing the mobile device the interface adapts to the new view.

- **Accessibility**: respect of the accessibility requirements.
- **CONSISTENCY WITH IDM SPECIFICATIONS.**