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EPITECH Barcelone

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SPECIFICATIONS DOCUMENT

Summary

1. Website presentation

1.1. Context

As part of our training at Epitech's Coding Academy, we're planning to create an interactive, collaborative website dedicated to rating companies by their users. The site, in the form of a forum, will enable everyone to rate the companies with which they have interacted, and to share constructive opinions. Thanks to a simple, intuitive interface, users will be able to exchange information, assign ratings and consult the evaluations of other community members.

1.2. Objective

The main objective of this site is to provide a transparent and reliable platform where users can rate companies based on their personal experience. These reviews will help guide other users in their choices and contribute to improving the quality of services offered by companies.

1.3. Target audience

The target audience for this project is individuals aged 13 to 35 years. The design and content should be dynamic, engaging, and adaptable to suit the preferences of both younger teenagers and young adults.

Key considerations:

- Use visuals and layouts that are vibrant yet modern to appeal to the entire age range.

- The tone should be relatable and fresh, combining creativity with professionalism to resonate across different maturity levels.

This approach ensures that the final product is inclusive, appealing, and relevant to all within the target demographic.

2. Structure and Features

2.1. Main content

Home :
This page is an interface featuring titles, a search bar and an interactive menu. It acts as an entry point to the various pages, allowing visitors to explore all the aspects/features of our website through all its sections..

Categories :
The page is accessible via the home navigation bar and the categories section. It provides several company categories that the user can choose from. This page is linked to the presentation pages of every company.

Companies presentation pages :
Offers detailed information about a specific company, including its average score, its badges, its website link, and additional resources such as last reviews about it.

Reviews :
This page is accessible via the home page review's section. It permits the user creating a review of its experience. It is also linked to a general review page and the presentation pages of every company.

About YOWL :
This page is accessible via the home page, it isn't linked to any other page, only provides information on the YOWL company and its goals.

User page :
It is only accessible via the home page and serves as a personalized space for users. They can manage their account details and view their activity history on the platform. It can redirect to the Review page and the reset password page.

Login page :
It is accessible via the home page (top of the page) and the review page (a user can't send its review without being connected to his account). This page can redirect to the reset password page, and the register page and obviously the home page..
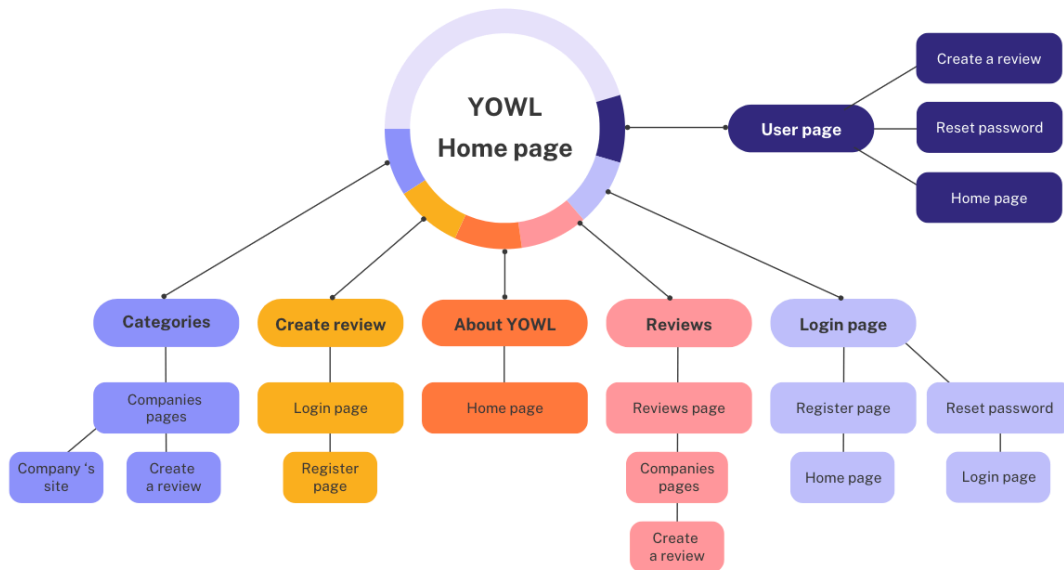
Reset password page :
Accessible via the login page, it redirects the user to this same page after the password is successfully redefined.

Register page :
Also accessible via the login page, once the form completed, it redirects the user to the home page, connected to its account.

Structure's organigram

2.2. Technical features

Responsive Design :
The site is designed to be accessible on all devices, including desktops, tablets, and smartphones, ensuring a smooth user experience regardless of the platform.

Intuitive Navigation :
Navigation is simplified with a clear menu bar and the ability to easily return to the homepage from any section, facilitating quick access to information.

SEO Optimization :
The site is optimized for search engines to improve its online visibility and attract attention from potential recruiters or collaborators.

Search bar :
A powerful search bar enables users to quickly find a specific company or category. This tool is designed to simplify site exploration and provide direct access to the information required.

Contact and rating forms :
A contact form is available to enable users to communicate with the site team. In addition, an advanced rating form enables users to create complete reviews by providing detailed information: the name of the company concerned, a review title, a rating (number of stars), badges to characterize the company, and an explanatory comment.

Review filtering system :

When a user consults a company's page, an advanced filtering system is available to sort reviews. Users can filter reviews by average rating or by specific badges, enabling them to quickly find the information that interests them.

User account management :

The site includes an account management system for its users. Visitors can register and log in using account creation and login functions. Passwords are secure to guarantee the protection of personal data and user confidentiality.

2.3. Technical constraints

Hosting and Scalability:
The website must be hosted on a server capable of handling both the initial traffic and potential growth. Scalability is essential to support an increasing number of users and concurrent requests without performance degradation.

Database Management:
The platform requires a robust database to store user accounts, company reviews, ratings, and other related data. Constraints include ensuring low-latency queries, data consistency, and secure storage to protect user information.

Mobile Responsiveness:
The responsive design must adhere to standardized breakpoints to ensure a seamless user experience on various devices, including smartphones and tablets. Constraints include maintaining usability for touch interfaces and optimizing page load times on mobile networks.

Performance Optimization:
The platform must load quickly and maintain high performance. Constraints include limiting the size of images and assets, implementing caching mechanisms, and using efficient code practices to reduce server response times.

3. Legal aspects

3.1. Legal notices

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