
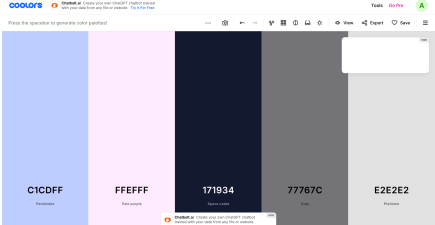


Development Team Log

Date	Task	Member	Note
08/2024	Color palette	All members	<p>The color palette was chosen</p> 
09/2024	Repositories matching	All members	We shared and linked our repositories.
09/2024	HTML and CSS	Arantza	The layout for the profile
09/2024	HTML and CSS	Valeria	Forums, chats and areas
09/2024	HTML and CSS	Arturo	Materials and quizzes
10/2024	Migration to ejs	Arturo	Frontend
10/2024	Migration to ejs	Arantza	Frontend
10/2024	Implementation of backend logic	Valeria	Backend, javascript implementation.
11/2024	Migration to React	Valeria	Migration to react
11/2024	Frontend	Arturo	Adding frontend
11/2024	Documentation	Arantza	Design documents and presentation.
11/2024	Change of color palette	All members	<p>Change of color palette</p> 

Personal Log

Valeria

- **Date: 09/2024**
- **Task:** Repositories matching
 - Made the repo and added everyone
- **Date: 09/2024**
- **Task:** Forums, chats and areas
 - Did the html for the pages forums and chats, got the base for the forums and chats from a bootstrap site, and the areas page was very easy to make
- **Date: 10/2024**
- **Task:** Backend, javascript implementation.
 - Here are some of the problems i had to overcome:
 - Server Setup with ES Modules: I had an issue using import in my server.js file, as the project was not set up as an ES Module. To fix this, I added "type": "module" in the package.json file. Then, I replaced `__dirname` using `fileURLToPath` to make it work with ES Modules.
 - Connecting to MongoDB Atlas: When I tried to connect to MongoDB Atlas, I received errors because my IP was not on the allow list. I adjusted the settings in the MongoDB Atlas dashboard to allow all IPs (0.0.0.0/0). I also made sure the credentials in my .env file were correct and loaded them with dotenv. I extended the timeout in `mongoose.connect()` to avoid timeout errors.
 - Handling Dynamic Views in EJS: In several views, I had issues with data not arriving correctly, such as recipient in chat. I checked the routes on the server to make sure they were passing the proper information to the views. I also implemented conditional checks in the EJS files to avoid errors when data was missing.
 - HTMX Integration for Chat: I had difficulty implementing HTML to dynamically update the chat window without reloading the page. I correctly set up `hx-get`, `hx-target`, and `hx-swap` in the user links and adjusted the routes on the server to return only the partial content that HTML needed. Ultimately nothing was going through so we decided to remove the messaging part of the page.
 - Active Navigation in the Navbar: I wanted my navbar to actively bookmark the current page. However, the conditional logic wasn't working because I wasn't properly passing the `pageName` value in the server routes. I fixed this by passing `pageName` in each `res.render()` and checked the conditions in the EJS file.

- Problem in a React component: While working in React, I encountered a syntax error because I was using `{}` instead of `()` when returning JSX. I changed the code to use parentheses to fix the problem.
- Implementing a navbar without JavaScript on the client: I wanted to avoid JavaScript on the client to handle the toggle functionality. I used an approach with CSS and a hidden checkbox that allowed toggling the visibility of elements like the chat list without needing JavaScript.
- **Date: 11/2024**
- **Task: Migration to react**
 - Planning and Structuring: I decided to split the project into two parts: frontend with React and backend with Node.js and MongoDB.
 - I identified the key functionalities of my original application, such as session management, authentication, forums, materials, quizzes, and a user profile.
 - Migrating EJS Views to React: I transformed the EJS pages into React components, splitting each feature (such as forums, materials, and quizzes) into reusable pages and components.
 - I incorporated React Router to handle navigation between the different views.
 - Authentication and Sessions: I implemented authentication using cookies with the axios library in React to handle requests to the backend.
 - I adapted the backend authentication middleware to work with requests coming from the frontend.
 - At first, I faced proxy issues when connecting the frontend and the backend in development. I solved this by configuring the frontend package.json file with a proxy pointing to the backend ("proxy": "http://localhost:5000").
 - On several occasions, I faced errors such as components not receiving props correctly, hooks that were not defined, or data not loading because API routes did not return what was expected.
 - I implemented a navigation bar that highlighted the current page. I achieved this by passing a prop name from each page to the Navbar component.
 - Responsiveness: On the forums, materials, and teachers pages, I worked to make lists and cards adapt correctly on mobile devices. I added buttons to show and hide lists that took up too much space on small screens.
 - Error Handling: I incorporated a global context to handle error messages, which allowed me to display consistent popup alerts throughout the application.

Arturo

- **Date: 09/2024**
- **Task:** Repositories matching
 - Git repository and collaborators.
- **Date: 09/2024**
- **Task:** Materials and quizzes
 - When we were working on the repositories it was causing me a lot of work to understand it and do it well
 - Since we used many of the same bases for materials and quizzes, it wasn't very complicated, but it was a matter of making the base well.
- **Date: 10/2024**
- **Task:** Frontend
 - I was in charge of bug fixes on the frontend, for color and style issues, and in the end the frontend
- **Date:11/2024**
- **Task:** Adding frontend
 - We received the criticisms that I was personally going to take charge of redesigning, but due to time issues I could not finish the redesign of the page.

Arantza

- **Date: 09/2024**
- **Task:** Repositories matching
 - We did our repository in github and made everyone collaborators.
- **Date: 09/2024**
- **Task:** The layout for the profile
 - I tried to make the layout of the profile, and had my struggles with the design as the card wouldn't fit in the center and was always at the top of the page. Then I could put it in the middle and make a pretty design for the profile card.
- **Date: 10/2024**
- **Task:** Frontend
 - Helped with the design, mostly with the css as there were some problems with the design.
- **Date:11/2024**
- **Task:** Design documents and presentation.
 - I couldn't understand much of the react classes so I was in charge of the presentation.