Personal log

Carlos J. Zepeda
Martín G. Torres
Andrés G. Gómez

School of engineering

Universidad Panamericana De Guadalajara

DAW2: Web Development

Eng. Gabriel C. Cortés

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Carlos Jimenez Zepeda

First Deliverable

In this deliverable, my main responsibility was to design the basic structure of the website. From the beginning, I understood the importance of establishing a solid foundation that would serve as the backbone for the ongoing development of the project.

Self-Assessment

- **Tasks Completed**:
  I was in charge of designing the basic structure of the project, a process that was both challenging and rewarding. Translating ideas into a web page proved to be more complex than I initially expected. It's not just about organizing elements logically but ensuring they are functional and aesthetically pleasing. However, after overcoming this challenge, I could see how the ideas took shape within the project, which was a very gratifying experience.
- **Personal Reflection**:
  This deliverable reminded me of an important lesson: with patience and dedication, anything is possible. As my good friend Taboada used to say, *"If you can imagine it, you can code it."* This mindset was key to staying motivated and focused throughout the design process.
- **Performance Evaluation**:
  I believe that my performance and contribution to this deliverable have been good. Despite facing some external situations that limited my availability, I feel that I have been able to add value to the team. My focus has been consistently on ensuring that the basic structure is solid and functional, and I am satisfied with the results achieved so far.

Reflection on Teammates' Work

From my perspective, the team has been working excellently. Each member has shown they are more than capable of moving this project forward with outstanding quality. The collaboration and level of commitment are evident, and I am confident that we will achieve our goals successfully.

Second Deliverable

For this deliverable, my primary focus was on integrating Node.js and Express into the project, ensuring that everything ran smoothly after the switch. I also prepared the backend for transitioning the views to EJS and set up MongoDB integration. Additionally, I improved the page layout using Bootstrap for better visuals and functionality.

Self-Assessment

- **Tasks Completed**:
  - Successfully migrated the project to Node.js and Express, requiring adjustments to the routing system.
  - Prepared the backend for upcoming changes, such as adding MongoDB and switching to EJS for templating.
  - Resolved issues when updating Bootstrap and enhanced design functionality.
  - Implemented pagination for a table containing around 12,000 records.
- **Personal Reflection**:
  This experience further solidified my preference for backend development. Front-end tasks, particularly involving design, are not my strong suit, but thanks to my teammates, I was able to overcome these obstacles. My work on backend improvements was efficient and satisfying, and I avoided many mistakes thanks to prior experiences with the portfolio.
- **Performance Evaluation**:
  Overall, I am pleased with my contributions. The migration to Node.js and Express went smoothly, and I resolved several complex issues efficiently. My backend skills helped the project progress quickly, particularly with pagination and database management aspects.

Reflection on Teammates' Work

My teammates have been incredibly helpful, especially with the front-end design. Their input has been invaluable, and the team's collaborative spirit is helping us tackle the project's challenges effectively.

Final Deliverable

For this deliverable, my primary focus was on migrating all components from EJS to React components. This required not only restructuring the codebase but also ensuring that the separation between backend and frontend was clear and functional. After completing the migration, I successfully connected the backend and frontend to enable seamless data exchange. Additionally, I implemented a simple validation feature to enhance the application's functionality.

Self-Assessment

- **Tasks Completed**:
  - Migrated the project's components from EJS to React, requiring significant restructuring.
  - Established a reliable backend-frontend connection.
  - Added a validation feature to enhance functionality.
- **Personal Reflection**:
  Migrating to React allowed me to strengthen my understanding of modern frontend frameworks. While I enjoy backend development more, this experience pushed me to

improve my frontend skills and adaptability. Completing the validation feature and connecting the backend gave me a sense of accomplishment.

- **Performance Evaluation**:
  My performance was strong, as I managed to complete the migration to React and ensure system reliability. Testing and validation further reinforced my technical skills.

Reflection on Teammates' Work

My teammates were fantastic throughout this process. Everyone contributed meaningfully, particularly with tasks requiring collaboration or problem-solving. Their support on frontend tasks was invaluable.

Martin Garcia

First Deliverable

During this deliverable, I was focused on checking the progress of the page and the changes in the website. I also helped with the design and deleting some extra information that was irrelevant.

Task Failed

- Attempted to implement Bootstrap for images to deploy information and graphics but ended up removing the changes due to functionality issues.

Self-Assessment

- **Personal Reflection**:
  I feel my contributions were minimal compared to my teammates. However, I supported the team by addressing visual and structural issues, such as colors, formatting, anchors, and displays.
- **Performance Evaluation**:
  My work was more focused on ideas and supervision rather than direct coding.

Reflection on Teammates' Work

My team did an outstanding job. Their creativity and programming skills made this project possible.

Second Deliverable

For this deliverable, I ensured the page remained practical and visually consistent, checking that MongoDB and other implementations worked correctly.

Tasks Completed:

- Implemented a confirmation window for data downloads, including error handling.
- Added navigation arrows for tables on smaller screens.

Self-Assessment

- **Personal Reflection**:
  I better understood the backend and databases, which strengthened my knowledge. Though I didn't dive too deep, I supported frontend and design improvements.
- **Performance Evaluation**:
  I contributed more directly, modifying backend aspects and making repository pushes.

Reflection on Teammates' Work

My team's backend and frontend skills complemented my efforts, particularly Carlos's backend expertise and Andres's design decisions.

Final Deliverable

For the final deliverable, I helped my team add parts of the page from EJS to the React environment and implemented extra React functionalities.

Tasks Completed:

- Implemented the download button using React and context environment variables.
- Added new graphs where the data is fetched from the database.
- Created an error-handling page.

Self-Assessment

- **Personal Reflection**:
  In this part of the project, I felt more involved than ever. My teammates helped a lot with things I didn't understand or couldn't implement. Understanding React's context was a challenge, but I managed to overcome it and complete the components.
- **Performance Evaluation**:
  My performance was good, with more commits to the project compared to previous deliverables. I believe my contributions added value to the project.

Reflection on Teammates' Work

Carlos handled the backend with excellence, and Andres contributed greatly to the visual design. The dynamic between us as a team was fantastic, and we resolved all challenges effectively.

Andres Gonzalez Gomez

First Deliverable

My main focus during this phase of the project was visual design and the use of color. Since functionality wasn't our priority yet, I tried to make the visual aspect of the website as polished as possible.

Self-Assessment

- **Tasks Completed**:
    - Enhanced the page with a specific color scheme and structured visual elements.
    - Modified Bootstrap assets to meet project needs.
- **Personal Reflection**:
  Since I am better at design than back-end programming, I used those skills to make myself useful. I planned to work more with data in future deliveries while keeping the website aesthetically appealing.
- **Performance Evaluation**:
  My performance wasn't as strong as I would've liked due to time constraints. However, I contributed consistently and stayed in constant communication with my team.

Reflection on Teammates' Work

My team's efforts were exceptional. Their creativity and programming skills made this project possible.

Second Deliverable

For this deliverable, I focused on adapting EJS methods and ensuring the frontend translated correctly to the new Node.js server structure.

Self-Assessment

- **Tasks Completed**:
    - Modified Bootstrap assets for project requirements.
    - Supported the transition to Node.js.
- **Personal Reflection**:
  I contributed by investigating necessary information and ensuring the frontend aligned with the backend.
- **Performance Evaluation**:
  My involvement was limited technically, but I ensured my work supported my teammates' efforts.

Reflection on Teammates' Work

Their knowledge and efficiency with the methods ensured a smooth workflow.

Final Deliverable