Resumate: Weekly Progress Report
CSE299.4 Group 7

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***Abstract*—This report details the progress made during the first week of the CSE299 project, titled "resumate." The project aims to develop a web-based application that assists users in creating professional resumes and evaluating their quality using artificial intelligence. In this phase, we focused on designing the user interface (UI) using Figma and initiating front-end development with HTML and CSS. The homepage design and implementation were completed, and project files were uploaded to GitHub for version control. This report outlines the tools used, tasks accomplished, challenges encountered, and planned next steps.**

***Index Terms*—User Interface, Figma, HTML, CSS, Web Development, resumate, GitHub**

I. Introduction

resumate is a web-based application designed to streamline the process of creating professional resumes and providing automated, AI-driven feedback on their quality. The system aims to offer intuitive templates, a user-friendly interface, and intelligent rating mechanisms to enhance employability. This progress report covers the initial week of development for CSE299, focusing on the user interface (UI) design using Figma and the preliminary implementation of the homepage using HTML and CSS. We outline the tools employed, tasks completed, technical specifications, challenges faced, and the roadmap for future development. All project files, including Figma designs and source code, have been uploaded to a GitHub repository for version control and collaboration.

II. Work Summary

During the first week, we prioritized the design of the user interface for resumate using Figma, a cloud-based UI/UX design tool. The objective was to create a visually appealing and functional layout to serve as the foundation for the website's development. We completed the design of the homepage, including its layout, color scheme, and typography. Subsequently, we began converting the Figma design into functional code using HTML and CSS, successfully implementing the homepage with its core components, such as the header, hero section, content blocks, and footer. The project files were uploaded to a GitHub repository to ensure version control and facilitate collaboration among group members.

III. Overview of Figma

Figma is a cloud-based design platform tailored for creating and prototyping user interfaces for web and mobile applications [1]. Its key features make it an ideal tool for collaborative and efficient design workflows:

- **Real-time Collaboration:** Enables multiple team members to edit designs simultaneously, facilitating seamless teamwork.
- **Intuitive Interface:** Offers drag-and-drop components, pre-built templates, and tools for wireframing and prototyping.
- **Cloud-based Accessibility:** Eliminates the need for local software installation, with all work saved and accessible online.
- **Developer-friendly Features:** Allows inspection of design elements and extraction of CSS properties for coding.

These capabilities ensured that the design process was efficient and aligned with the project's development requirements.

IV. Utilization of Figma

We leveraged Figma to design the homepage of resumate. The following tasks were accomplished:

- **Layout Design:** Developed the homepage structure, including a navigation bar, hero section with a call-to-action, content sections, and footer, prioritizing a clean and modern aesthetic.
- **Visual Consistency:** Established a cohesive color scheme (blues and whites), typography (Roboto font), and reusable UI components to ensure a unified look.
- **Prototyping:** Created a clickable prototype to simulate user navigation and validate the flow between sections.
- **Asset Export:** Extracted design assets (icons, buttons, and images) in PNG and SVG formats for web development.
- **Feedback Iteration:** Conducted an internal review to refine spacing, alignment, and visual hierarchy based on usability principles [2].

The Figma project was exported and uploaded to GitHub, ensuring that all design assets are accessible for future reference and collaboration.

V. Development Progress

Following the completion of the Figma design, we initiated front-end development of the homepage using HTML5 and CSS3. Key accomplishments include:

- **Structural Implementation:** Coded the HTML structure using semantic elements to enhance accessibility and search engine optimization.
- **Styling:** Applied CSS to replicate the Figma design, incorporating Flexbox and Grid layouts for responsive design. The header, hero section, content blocks, and footer were styled to match the approved design.
- **Cross-browser Testing:** Conducted tests on Chrome and Firefox to ensure compatibility, resolving minor rendering inconsistencies.
- **Challenges Encountered:** Faced challenges in achieving pixel-perfect alignment due to differences between Figma's design units and CSS rendering. These were addressed by fine-tuning CSS properties, such as margins and padding.
- **Version Control:** Committed the HTML and CSS files to a GitHub repository, ensuring version tracking and collaborative access for all group members.

The implemented homepage serves as a functional prototype, providing a solid foundation for further development.

VI. Technical Specifications

To ensure reproducibility and consistency, the following technical details outline the tools and standards used:

- **Design Tool:** Figma (October 2025 release).
- **Development Technologies:** HTML5 for structure, CSS3 for styling, with Flexbox and Grid for layout management.
- **Typography:** Roboto font (regular and bold weights) for text and headings.
- **Color Palette:** Primary colors include #007BFF (blue) for buttons and accents, #FFFFFF (white) for backgrounds, and #333333 (dark gray) for text.
- **Asset Formats:** Icons and images exported as PNG (raster graphics) and SVG (scalable icons).
- **Version Control:** GitHub repository for storing Figma exports, HTML, and CSS files.

These specifications ensure alignment between the design and development phases and facilitate collaboration among group members.

VII. Next Steps

To advance the resumate project, we have outlined the following objectives for the upcoming weeks:

- **Complete Remaining Pages:** Develop the About, Resume Builder, and Rating System pages, ensuring consistency with the homepage's design.
- **Enhance Responsiveness:** Implement CSS media queries and JavaScript to ensure compatibility across devices (desktop, tablet, and mobile).
- **Add Interactivity:** Integrate JavaScript or Vue.js for dynamic features, such as form validation and real-time feedback for the rating system.
- **Backend Development:** Begin integration with the Laravel framework to manage user data, resume storage, and AI-driven rating algorithms.
- **User Testing:** Conduct usability testing with a small group to gather feedback on the UI and identify areas for improvement [2].
- **Performance Optimization:** Optimize CSS and image assets to reduce page load times and enhance user experience.
- **GitHub Updates:** Continue committing code and documentation to the GitHub repository to maintain version control and collaboration.

VIII. Conclusion

The first week of the resumate project focused on establishing a robust foundation through UI design and initial front-end development. By leveraging Figma's collaborative features, we created a comprehensive homepage design and successfully implemented it using HTML and CSS. The project files were uploaded to GitHub, ensuring version control and accessibility for all group members. The progress aligns with the project's objectives, and the outlined next steps provide a clear roadmap for completing the remaining components. Continued adherence to the planned timeline and technical standards will ensure the development of a functional and user-friendly application.

References

[1] Figma, "Figma: The Collaborative Interface Design Tool," https://www.figma.com, Accessed: Oct. 20, 2025.

[2] J. Nielsen, "Usability Engineering," Morgan Kaufmann, 1993.