



Software Design

Progress Report No. 1

Design Reviews

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I. Objectives

- To gather the client requirements for a nail service management system.
- To identify the key features needed, such as appointment system, service catalog, nail designs showcasing, and customer reviews.
- To create initial design drafts and visual prototypes based on the client workflow as a nail technician.
- To validate the design direction with the client to ensure alignment with her business needs.
- To decide on using a web-based platform so the system can be easily accessed on any device by both the client and her customers.
- To use HTML, CSS, and JavaScript as the main programming languages for developing the front end of the system.

II. Methods

1. Planning and Wireframing

The layout for each page (Home, Services, Appointment, Message) was first outlined through simple wireframes. This helped identify the placement of buttons, text, and images before coding.

2. Front-End Development Using VS Code

The pages were created using:

- **HTML** for structure
- **CSS** for styling
- **JavaScript** for basic interactivity

VS Code was used as the main development tool for writing and organizing the code.

3. Visual Design and Branding

A consistent color palette, typography, and spacing system were applied to maintain a clean, professional look. Buttons, menus, and sections were styled to match the business theme and improve user experience.

4. Navigation System Implementation

A simple navigation bar was added across all pages so users can easily move between Home, Services, Appointment, and Message pages.

5. Mobile-Responsive Adjustment

Flexbox, Grid, and media queries were applied to ensure the website works smoothly across different screen sizes, especially mobile devices.

6. Functional Page Setup

Each page was designed with a specific purpose:

- Home → introduction
- Services → offerings
- Appointment → booking form
- Message → communication form

Forms include input fields, buttons, and basic validation.

7. Testing and Refinement

All pages were tested for:

- Layout correctness
- Button navigation
- Form responsiveness
- Text visibility

Minor adjustments were made based on testing results.

III. Results

Present the visualized procedures done. Also present the results with corresponding data visualizations such as graphs, charts, tables, or image. Please provide insights, commentaries, or explanations regarding the data. If an explanation requires the support of literature such as academic journals, books, magazines, reports, or web articles please cite and reference them using the IEEE format.

Please take note of the styles on the style ribbon as these would serve as the style format of this laboratory report. The body style is Times New Roman size 12, line spacing: 1.5. Body text should be in Justified alignment, while captions should be center-aligned. Images should be readable and include captions. Please refer to the sample below:

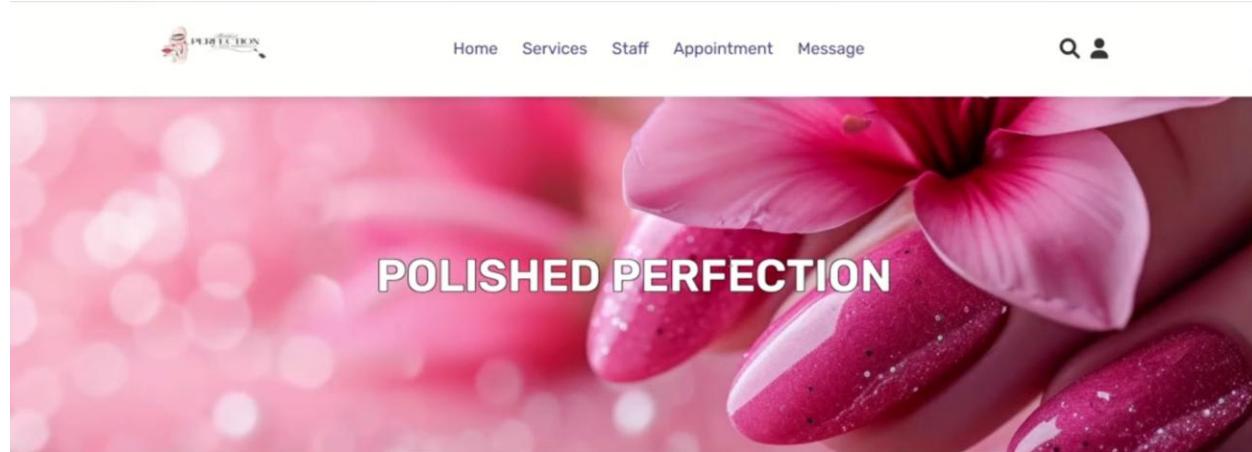


Figure 1: Home Page

This figure displays the main introduction page of the website. It includes the business name, navigation menu, and a welcoming section that introduces the nail services. The design focuses on first impressions and establishing the brand identity.

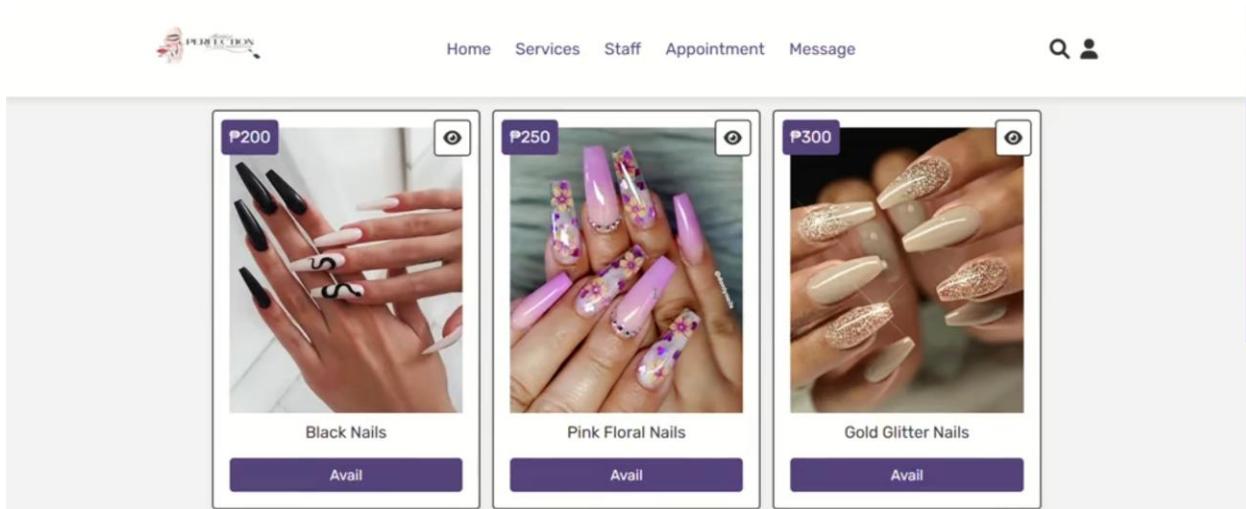


Figure 2: Services

This figure shows the **Services Page**, where the available nail services (such as gel nails, acrylics, nail art, etc.) are listed.

Each service is typically paired with a short description or an image to help visitors understand what is offered.

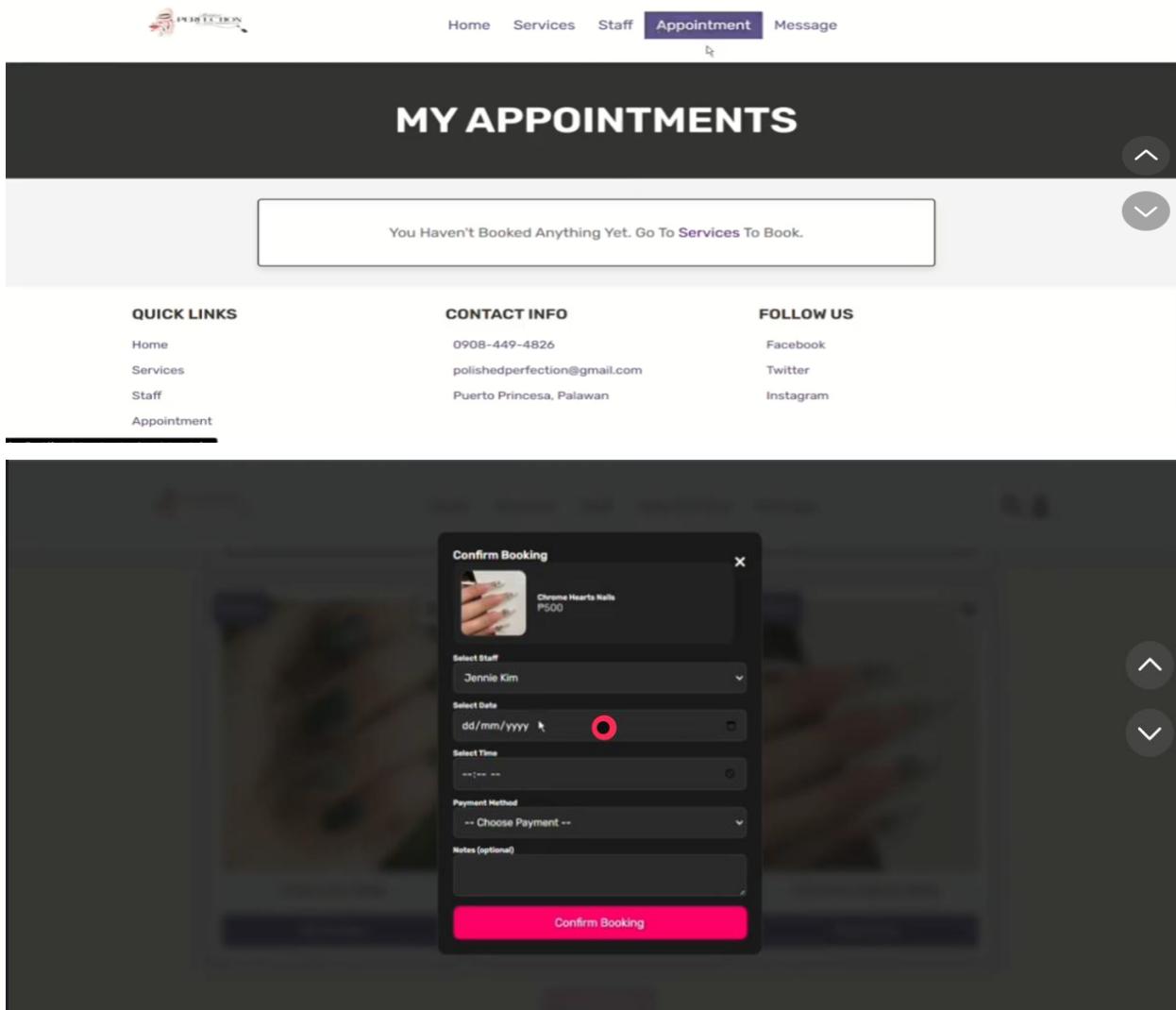


Figure 3: Appointment

This figure illustrates the **Appointment Page**, which contains the booking form. Users can select dates, enter their details, and schedule an appointment. The layout is designed for convenience and straightforward form completion.

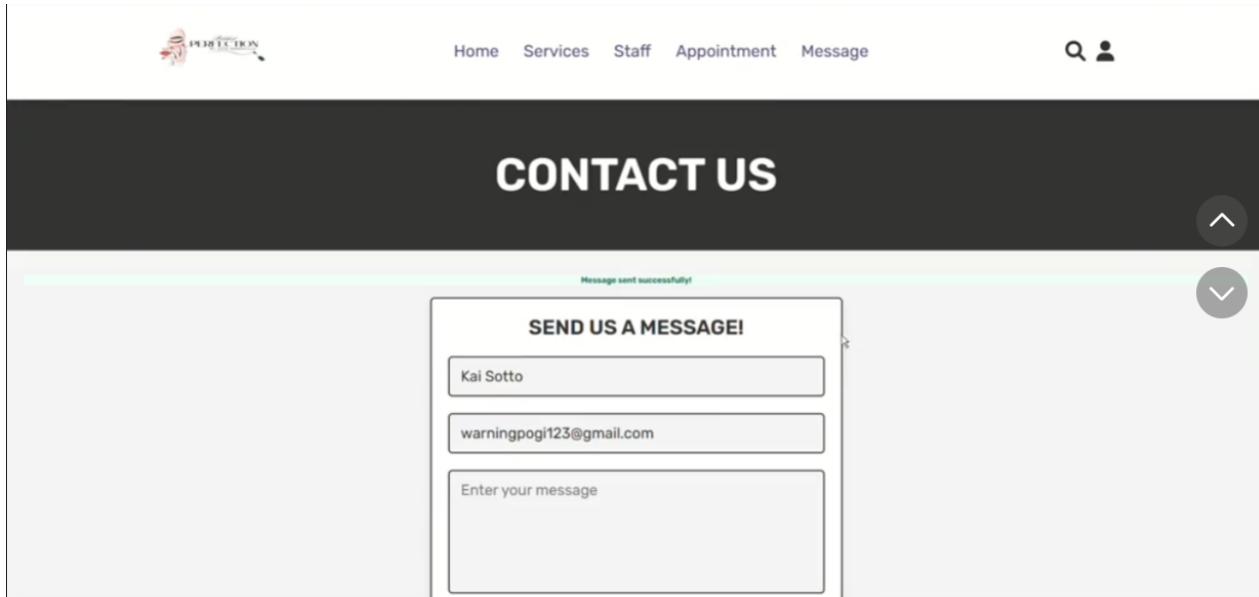


Figure 4: Message

This figure presents the **Message Page**, where users can send inquiries or feedback. It includes a simple message form with fields like name, email, and message text. This feature allows customers to communicate directly with the business.

IV. Conclusion

As a group, we were able to outline the essential needs for developing a nail service management system by studying how a nail technician handles her daily tasks. Using this understanding, we listed the important features the system should have and prepared early design drafts that show how these features could look and function. We also decided that a web-based platform is the best option so the system can be accessed easily by both the client and her customers. Along with this, we chose HTML, CSS, and JavaScript for building the front end because they are flexible and suitable for creating a user-friendly design. These preparations will help us present a clear draft to the client, get her feedback, and adjust the system based on her suggestions.

References

- [1] Co Arthur O.. “University of Caloocan City Computer Engineering Department Honor Code,” UCC-CpE Departmental Policies, 2020.
- [2] @owendgaf0. (2024). *nail salon appointment system*. TikTok.
<https://www.tiktok.com/@owendgaf0/video/7577051385221500167>