ANYCOMP

Fullstack Developer Project

ST COMP HOLDINGS SDN BHD (201401007634)

Level 1, Prima 9, Jalan Teknokrat 6, Cyber 5, 63000, Cyberjaya, Selangor

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Description

The primary objective of this project is to develop a simplified replica of **Anycomp — a platform for Company Registration and Management** — using the MERN Stack (PostgreSQL **(NOT MongoDB)** , Express.js, React/Next.js, Node.js).

The project is designed to evaluate your full-stack proficiency, system design thinking, and code quality.
All pages within this document include specific requirements, Figma references, and flow diagrams that outline how each part of the system should function.

Figma Link

https://www.figma.com/design/ukCEkns86j8tyJgBovg7E8/ST-Comp-Holdings--MERN-Stack-Developer---Project-assesment?m=auto&t=4S8MVyU6tufRjr4H-6

Frontend Technology Stack

1. NextJS
2. Typescript
3. Tailwind CSS
4. Redux Toolkit or Zustand or Jotai or any other State management Library
5. MaterialUI
6. **Font Library -** Proxima Nova & Red Hat Display
7. **Font-Color:** #222222

Backend Technology Stack

1. Node.js
2. Express.js
3. TypeORM
4. PostgreSQL

Other Requirements

1. **RESTful API** architecture connecting frontend inputs to backend CRUD operations
2. **Environment-based configuration** via .env
3. **Error handling & validation** middleware for all API routes
4. **JSON-based** communication between frontend and backend
5. **Optional (Bonus):** JWT Authentication & Role-based Access Control

After completion

1. Deploy to Github once completed
2. Deploy to Vercel or Netlify for a live view of the Project
3. Once completed, email **contact@stcompholdings.com** *(Subject: Completed MERN Stack Developer - Project assessment)* with the **Github link, Resume, Fiverr Profile**, **Upwork Profile** and **BDJobs Profile (If Any)** to schedule a **Google Meets** meeting
4. During the meeting you will walk through your source code & application and provide a brief demonstration and answer any technical questions
5. Feel free to be creative with the project. The design should look exactly the same, but any additional styling or animation such as when a button is clicked or show a popup window is entirely welcomed

Good luck, a glorious future awaits you 🚀🇲🇾🇧🇩

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Backend System & Database Schema

Requirements

1. **Purpose:** Build production grade **REST /API's** in a Full-Stack Application
2. **Database Entities:** Do not change table names/columns. Add only **FKs**, **indexes**, and **constraints** if needed (You should decide how).
   a. specialists
   b. service_offerings
   c. platform_fee
   d. media
3. **Use Case:** Each **table** has a certain **use case** according to each page and **/api**. It is your role to think through where & how they would be used.

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Page 1: All Specialists

Requirements

1. **Frontend:** Ensure design is nearly 100% identical to the Figma Design. It should contain the following:
   a. **Table**: list of specialists
   b. **Filter: functioning Filter based on "**All", "Drafts", "Published"
   c. **Search Bar:** fully functioning search bar
   d. **Pagination:** when "**Specialists**" table rows exceeds >= 10

2. **Backend**: return all the "**Specialist**" Data

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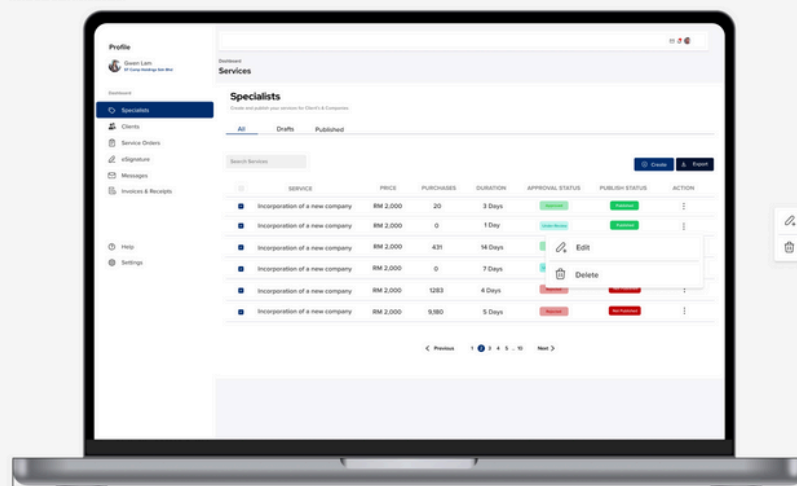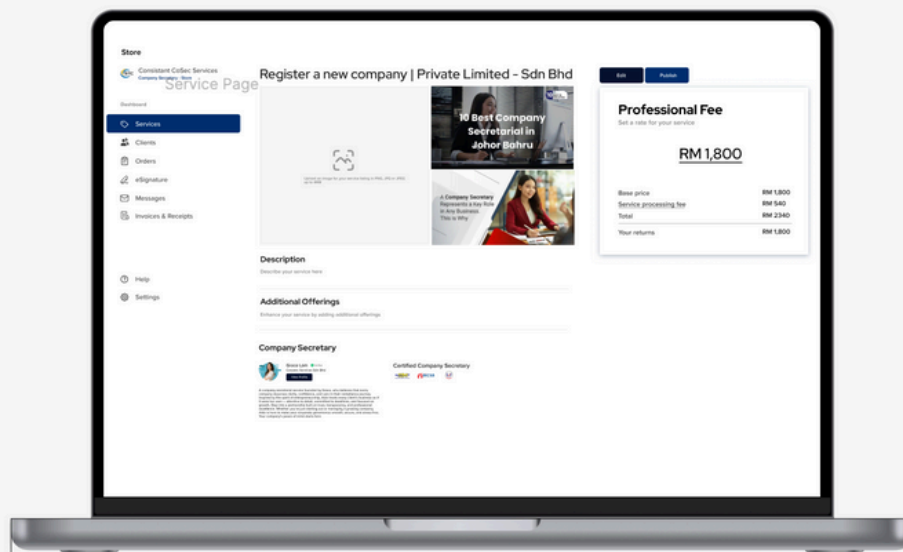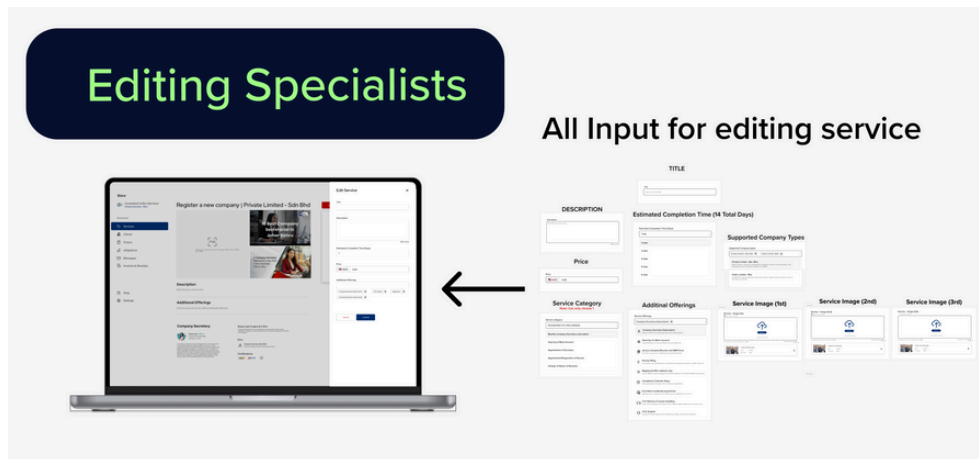contact@stcompholdings.com

Page 2: Create Specialist

Requirements

1. **Frontend:** Ensure design is nearly 100% identical to the Figma Design
2. **Redirect**: When the "**Create**" button is clicked from previous page **(Page 1: All Services)**
3. **Purpose:** this page allows the user to create "**Specialists**"

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Page 3: Editing Specialist

Requirements

1. **Frontend:** Ensure design is nearly 100% identical to the Figma Design
2. **Backend & Frontend**: Each "**Frontend Inputs**" must be connected to the Backend System via **RESTful API Endpoints,** the system should be intelligent to know which **Database table** to be saved into & when it is "**Creating**" a new record or "**Updating**" an existing record
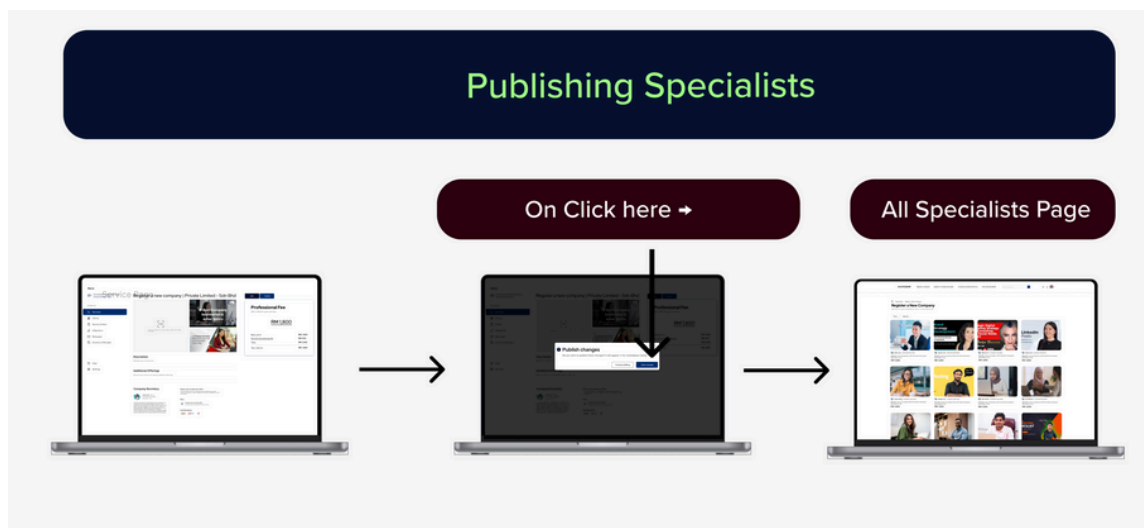
Publishing Specialists (Final Flow)

Requirements

1. **Description:** The final step of the application is the "**Publishing Specialists**" flow. Once the "**Specialist**" is created, it can be **published** and should be displayed in the "**All Specialists**" page
2. **Acceptance Criteria**: only published "**Specialists**" *(Not in Draft)* should appear in the **"All Specialists"** page
3. **NOTE:** Refer to the Frontend Designs from Figma