GROUP NO: **7**   COURSE: **BSIT 3-1**

GROUP MEMBERS:

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PROJECT TITLE: STB Jobs: Connecting Opportunities in Santo Tomas, Batangas

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FINAL GROUP PROJECT

System Analysis & Design

A. Project Specification:

I.   **Brief Description of the System**

➢ STB Jobs is a dedicated job listing platform tailored to connect job seekers within Santo Tomas, Batangas. The website aims to streamline the job-hunting process by providing a centralized hub for local employment opportunities across various industries. It caters to a wide audience, from fresh graduates seeking entry-level positions to experienced professionals looking for career advancement, as well as businesses in need of skilled talent. Through its user-friendly interface and advanced search features, STB Jobs bridges the gap between talent and opportunity, fostering economic growth and empowering the local workforce in Santo Tomas.

II.   **Statement of the Project Problems & Objectives**

➢ The current state of job hunting in Santo Tomas, Batangas, may appear adequate at first glance, but it requires significant improvement and modernization to meet the evolving needs of job seekers and employers. A significant number of job opportunities are shared informally through social media platforms such as Facebook. While these platforms are widely used, they present several challenges. In this project, we aim to answer these following questions:

1. How can the informal and unprofessional nature of job postings on platforms like Facebook be addressed to create a more structured and professional recruitment process?
2. How can a centralized platform improve the accessibility and organization of local job opportunities for both job seekers and employers?
3. What measures can be implemented to ensure the security and legitimacy of job postings and protect users from scams and fraudulent activities?
4. How can a job listing platform contribute to reducing unemployment and supporting the economic growth of Santo Tomas, Batangas?

➢ These issues hinder the employment process, discourage potential candidates, and create challenges for businesses and companies to find the right people for the job. This project aims to address these challenges through the development of STB Jobs, a dedicated job listing platform tailored for Santo Tomas, Batangas. The specific objectives are as follows:

1. **Develop a Centralized Job Listing Platform** - Establish a website that serves as a centralized hub for all job opportunities in Santo Tomas, consolidating postings across various industries and skill levels.
2. **Promote Professionalism in Recruitment** - Provide a platform specifically designed for job listings, with a professional interface that encourages formal and well-structured job postings.
3. **Streamline the Job Search and Recruitment Process** - Integrate advanced features, such as keyword search, category filters, and quick

result notifications, to make the process efficient and user-friendly for job seekers and employers alike.

4. **Enhance Security and Trust** - Implement verification mechanisms and secure systems to validate job postings and protect users from fraudulent activities, ensuring a trustworthy environment.

5. **Support Economic Growth** - Foster the local economy by connecting skilled workers with businesses, reducing unemployment, and addressing talent gaps in the area.

➢ By addressing these objectives, the development of STB Jobs will provide a structured, professional, and secure solution to the recruitment challenges in Santo Tomas. It will empower job seekers and employers, streamline the hiring process, and contribute to the economic growth of the City of Santo Tomas, Batangas.

III. **Analysis of the System Requirements**

- **Functional Requirements**
  ➢ **Account Creation for Employers** - Employers will be able to create accounts and post job listings with detailed descriptions, including required skills, location, and salary range.
  ➢ **Profile Creation for Job Seekers** - Job seekers will be able to create profiles, upload resumes, and specify their skills, experience, and job preferences.
  ➢ **Job Matching** - The system will match job seekers with relevant job postings based on their skills and preferences.
  ➢ **Search and Filter** - The system will provide search and filter functionality for job seekers to find job listings by keywords, location, job type, or salary range.
  ➢ **Application Review by Employers** - Employers will be able to review and shortlist applications from job seekers.
  ➢ **Secure Data Management** - The system will ensure secure storage and management of user data, including personal information and resumes.
  ➢ **Administrative Oversigh**t - Administrators will be able to monitor and manage job postings, as well as oversee the application form assessment of job seekers.

- **Non-Functional Requirements**
  - **User Management -** The system should be able to effectively manage several users at once.
  - **User Interface (UI) -** Both employers and employees should find the interface easy to use and intuitive.
  - **Authentication -** Profile and other features are only accessible to authenticated users.
  - **Scalability -** An increasing number of users and job listings should be supported by the platform.
  - **Data Accuracy -** All preserved information, including notification messages, job postings, and profiles, needs to be correct and current.
  - **Code Quality -** For easier updates and repairs, code should be well-documented and modular.
  - **Responsive Design** - Responsive design to ensure compatibility across devices.
  - **User Support -** Provide a FAQ or assistance area for often asked user questions.

IV. Proposed System Design

- **Flowchart of the System**

EMPLOYEE SIDE
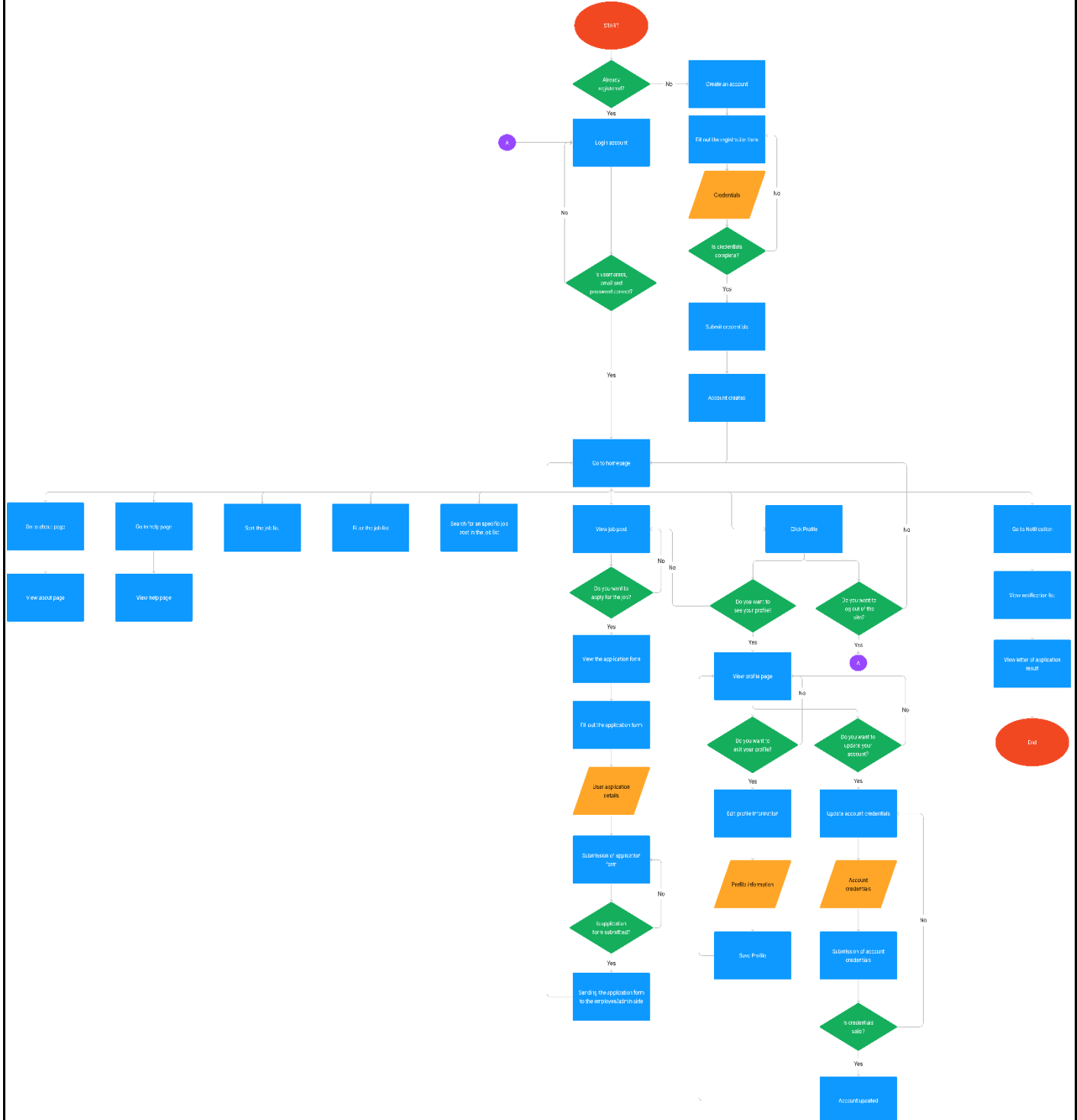
ADMIN SIDE
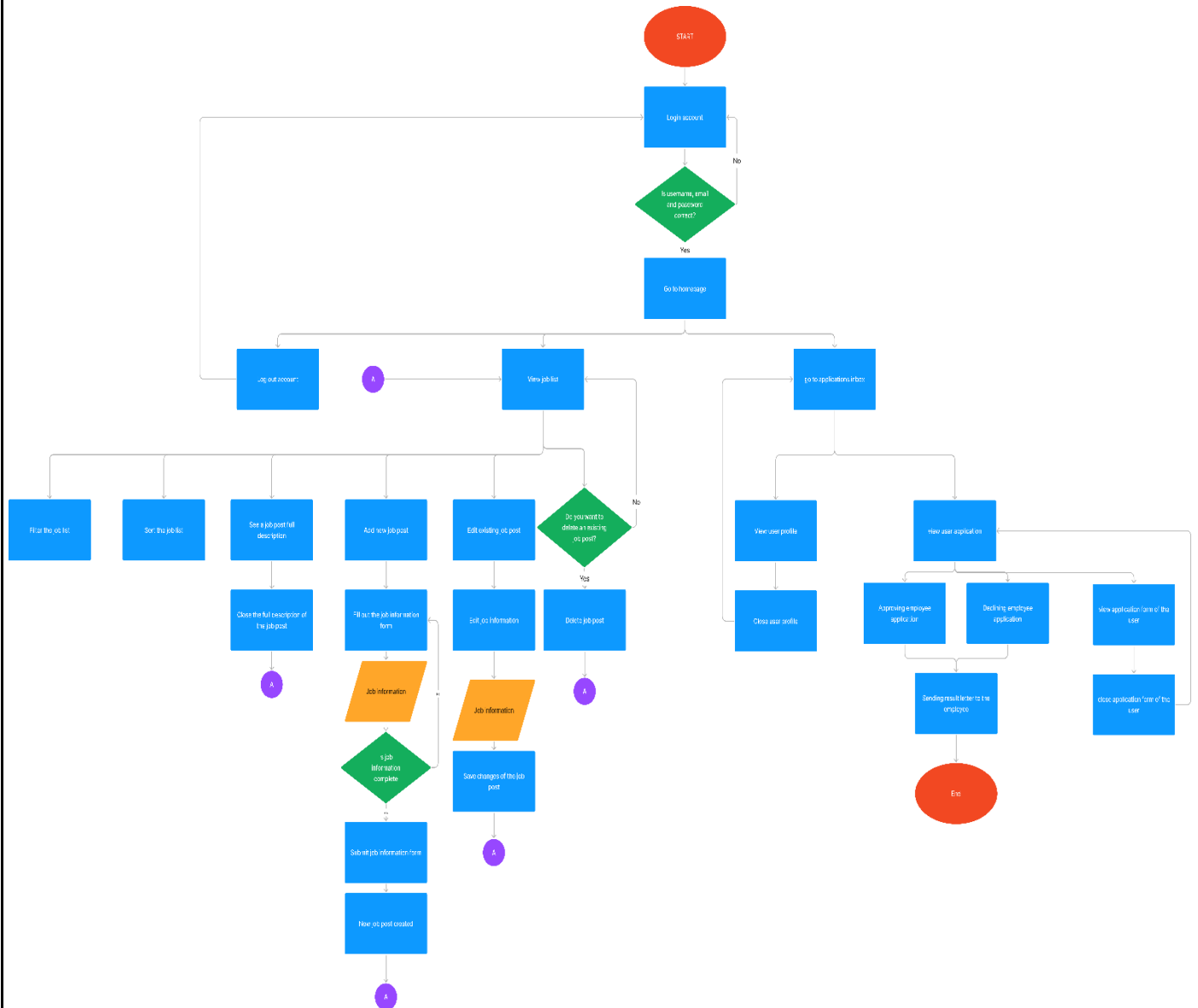
Link of Photos:

- Employee Side:
  https://drive.google.com/file/d/1aSiSFijB10RiWLcuTUP0oE4dC2YAqwsz/view?usp=sharing

- Admin Side:
  https://drive.google.com/file/d/1IekJjlYm9DnBZgPMrm_pyg_biKeHlifO/view?usp=sharing

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- **Class Diagram**

- ## Use Case Diagram

JOB HUNTING SYSTEM

Emloyee

- Sign up
- Log in
- Search a job
- Apply for a job
- Submit a resume
- Notify about job application
- Post a job
- Manage job posting
- View job applications
- Accept or decline job application

<<include>>

<<include>>

<<include>>

<<extend>>
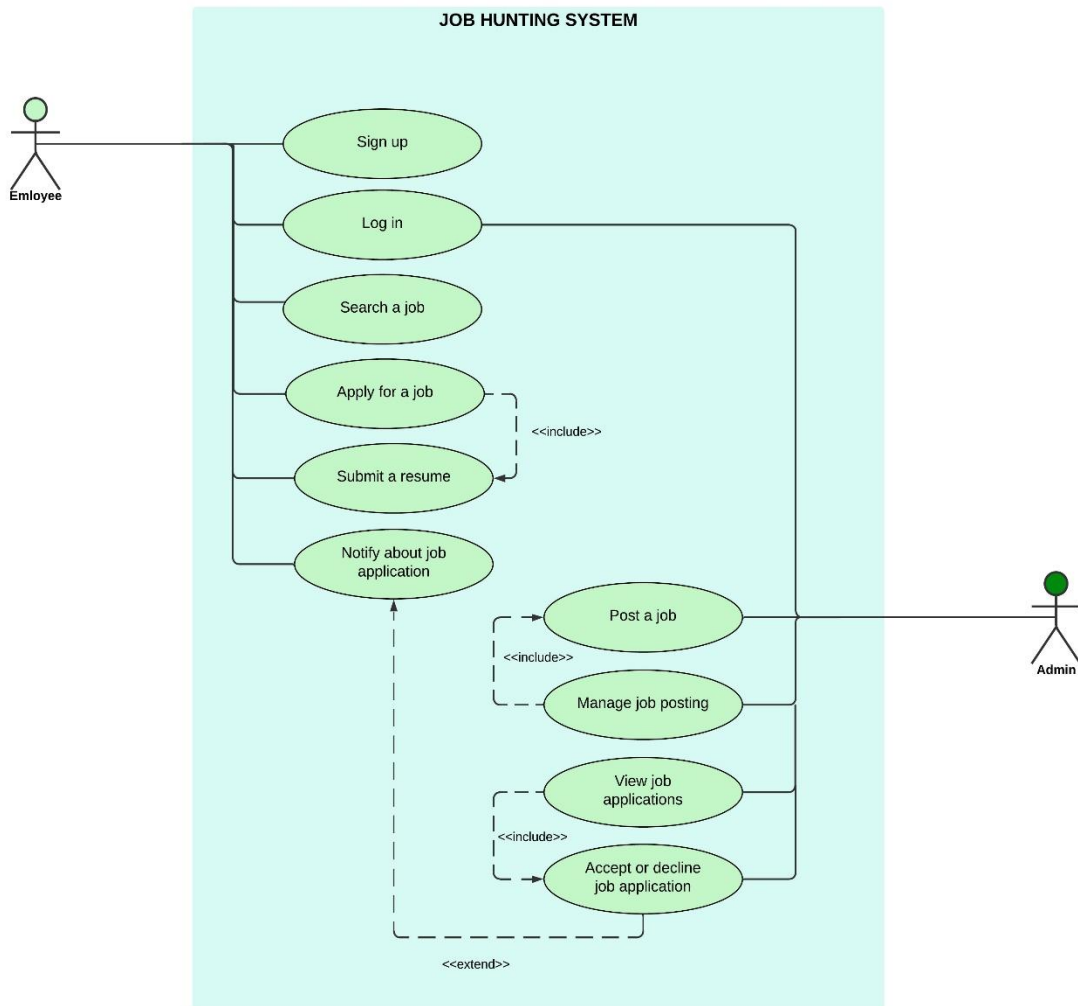
Admin

> **Activity Diagram**

EMPLOYEE SIDES:

Flowchart 1:

Start

↓

View Job Post

↓

Apply for the job? — No → (back to View Job Post)

↓ Yes

Fill Out application form

↓

Sends the Application Form

↓

(End)

Flowchart 2:

Start

↓

View Profile Page

↓

Customize Profile

↓

→ User Login Credentials

→ User Personal Information

↓

Save the all the changes

↓

(End)

Flowchart 3:

Start

↓

Open Notification

↓

View Notifications

↓

View letter of application

↓

(End)
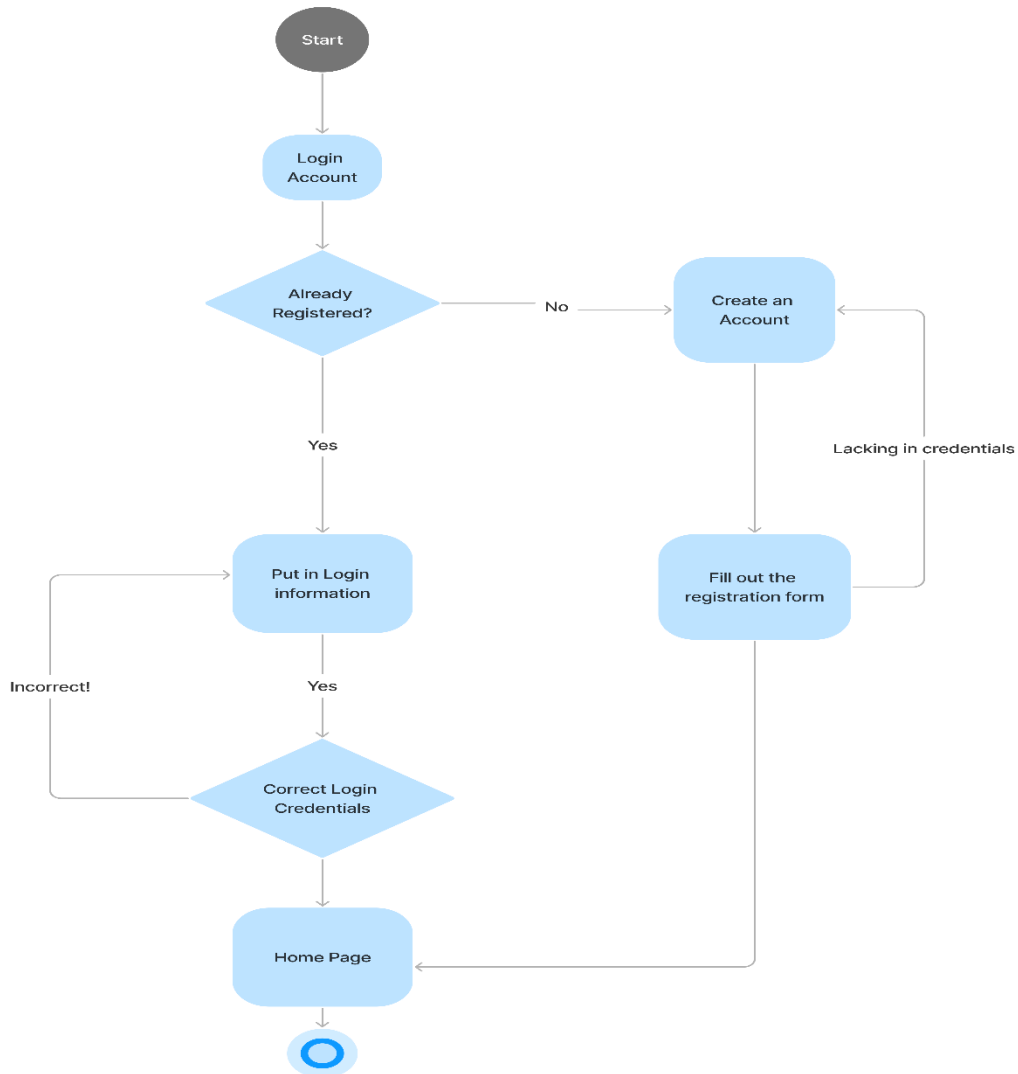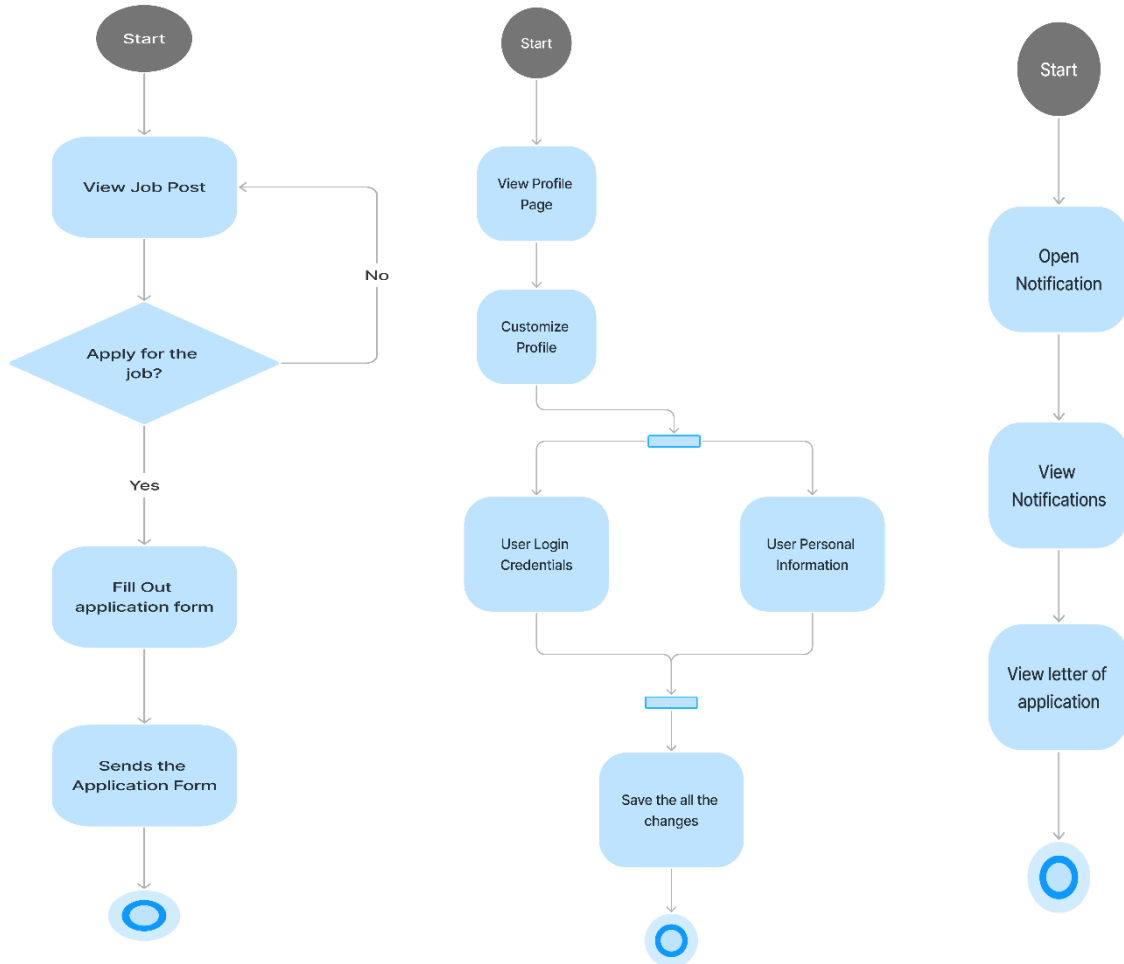
➢ **ADMIN SIDES:**
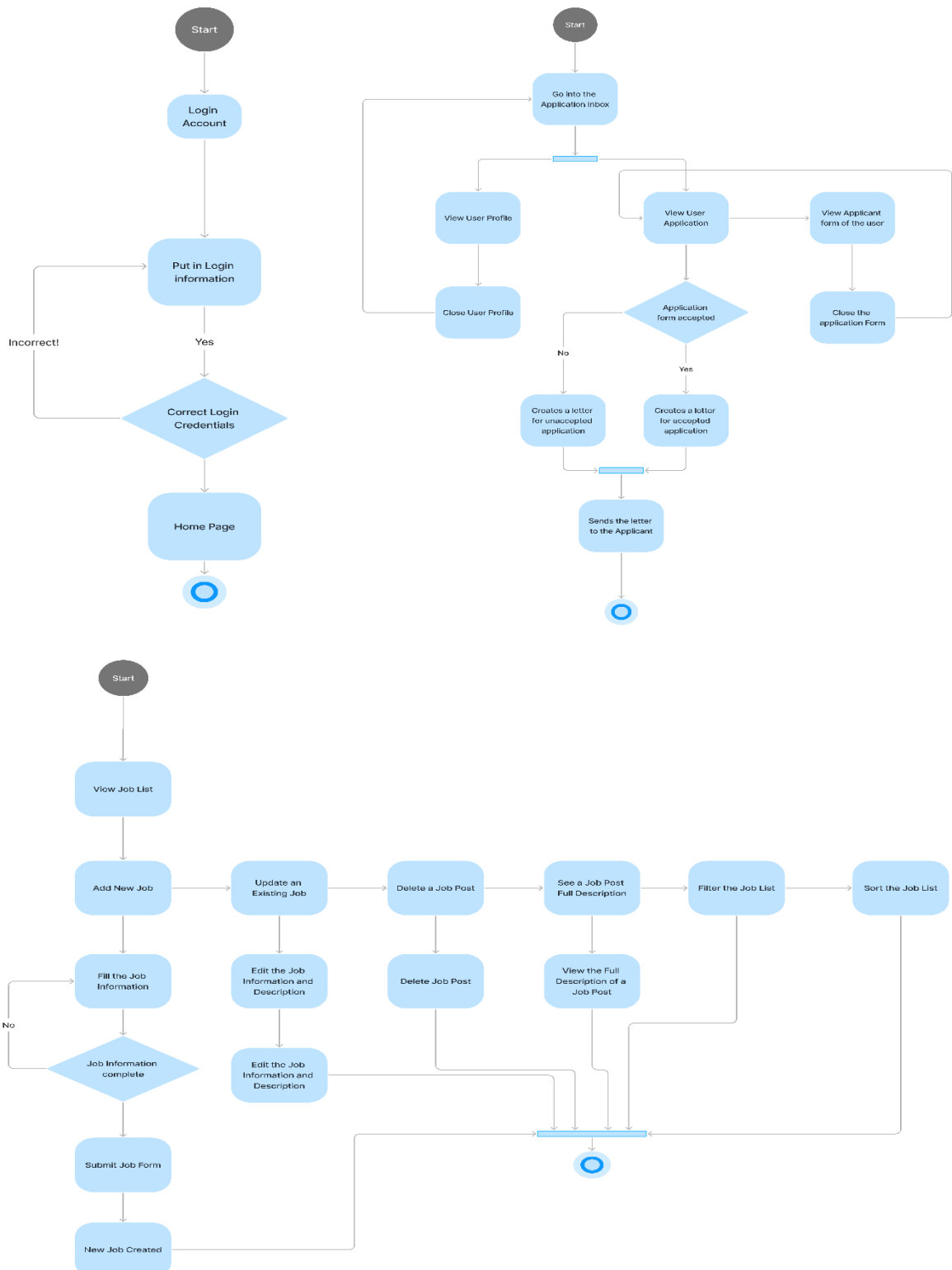
- **Entity Relationship Diagram**
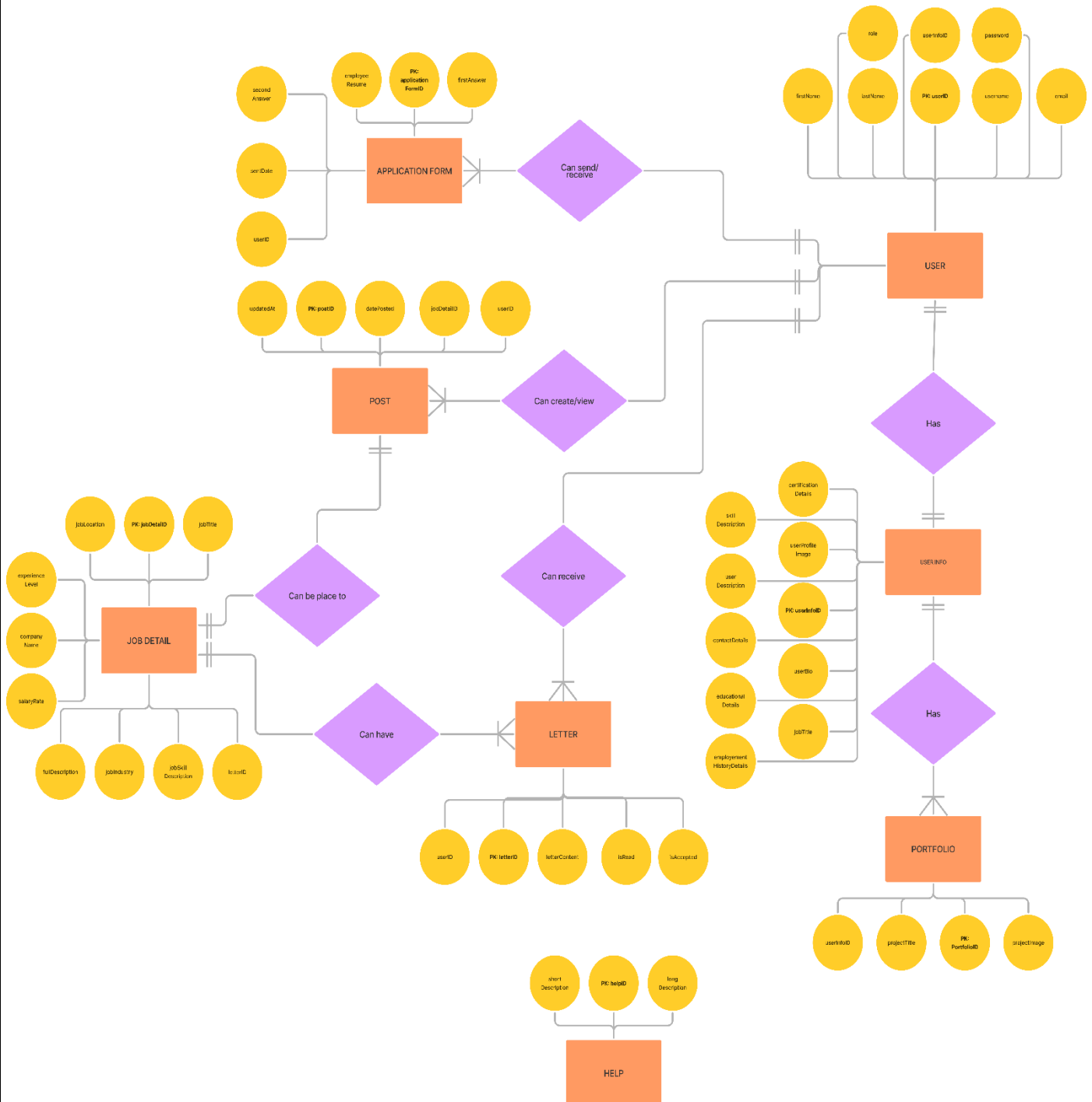
ERD Photo Link:

https://drive.google.com/file/d/1oraRfa8FoMjKP7K2-nO9LxhF5m-FIf73/view?usp=drive_link

- **Prototype Design (screenshot) with description**

    EMPLOYEE SIDE:

    1. **Login Section – Entering user's account credentials**
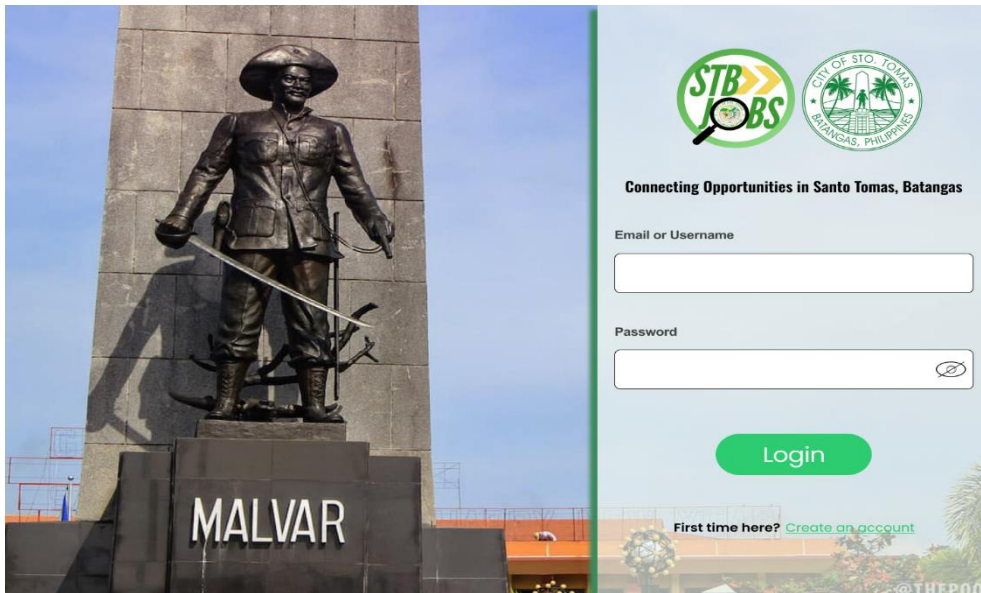
    2. **Creating new user account [Login credentials]**

3. Creating new user account [Personal credentials]

4. Creating new user account [Skills credentials]

5. Creating new user account [Applicant credentials]

6. Homepage to browse from a list of jobs and navigate through the website
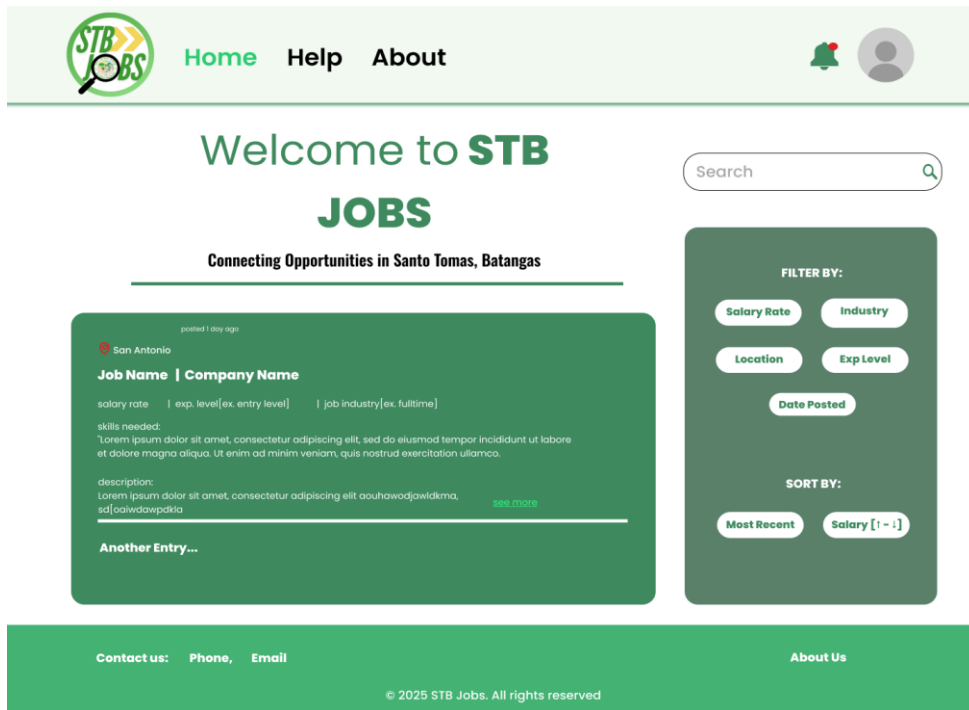
7. See Profile account or log-out

8. Profile view of the employee that can be edited or updated

9. See a job full description on the job list section and apply for the job

10. Application form to fill out then send to the admin side for approval

11. Inbox of the user to see application result

12. Acceptance or rejection letter for the application of employee

Home Help About	**Home Help About**
Result of Job Application	**Result of Job Application**
Clickable Profile	Clickable Profile
Employer 1 <employer1@gmail.com>	**Employer 1** <employer1@gmail.com>
to me ⌄	to me ⌄
Subject: Job Title	
Good day applicant,	Good day applicant,
Congratulations! We are thrilled to inform you that you have been accepted for an interview. Our HR team will contact you shortly with further details regarding the next steps, including the date, time, location, and any necessary paperwork for the interview.	We regret to inform you that you did not make it to the final interview.
Thank you.	Thank you.
Employer 1	Employer1
Contact us: Phone, Email About Us	Contact us: Phone, Email About Us
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13. Help page for FAQS to help users with their concerns

Home Help About

WANT TO LEARN MORE ABOUT OUR WEBSITE?

FAQS:

How to get started as freelancer? ⌄

Full Details:

Contact us: Phone, Email   About Us

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14. About page containing the creators of this website

ADMIN SIDE:

1. Login Section – Entering admin account credentials

2. **Homepage of the admin side to create, edit, delete and update job entry and navigate through the website**

3. **Adding new job entry via this section**

4. Edit existing job entry

Admin Dashboard

JOB INFORMATION FORM

Job Title
Lorem Ipsum

Salary Rate
Lorem Ipsum

Experience Level
Lorem Ipsum ▼

Company Name
Lorem Ipsum

Barangay
Lorem Ipsum ▼

Industry
Lorem Ipsum

Skills Requirements
Lorem ipsum dolor sit amet. Ad saepe necessitatibus ut quod facere ab repellat officia non expedita veritatis vel voluptatem quas. At iusto repellendus id mollitia velit hic

Job Description
Lorem ipsum dolor sit amet. Ad saepe necessitatibus ut quod facere ab repellat officia non expedita veritatis vel voluptatem quas. At iusto repellendus id mollitia velit hic

Save Changes

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5. See the full details of a job entry and be able to edit or delete it

Admin Dashboard

posted 1 day ago

San Antonio

Job Name | Company Name   EDIT   DELETE

salary rate | exp. level[ex. entry level] | job industry[ex. fulltime]

skills needed:
"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco.

description:

"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

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6. Admin inbox to see applicants form, profile and job entry for approval

STB JOBS **Admin Dashboard**   🏠 ✉ ➔

Applications

All   Read   Unread

Date, Time
First Name, Last Name, applied for this job.

Clickable Profile   **APPLICATION FORM**   **ACCEPT**   **DECLINE**

Date, Time
First Name, Last Name, applied for this job.

Clickable Profile   **APPLICATION FORM**   **ACCEPT**   **DECLINE**

Date, Time
First Name, Last Name, applied for this job.

Clickable Profile   **APPLICATION FORM**   **ACCEPT**   **DECLINE**

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7. Admin view of application form of employees

STB JOBS **Admin Dashboard**   🏠 ✉ ➔

**First Name, Last Name's
Application Form**

First Question:

Lorem Ipsum

Second Question:

Lorem Ipsum

CV/Resume:

View Attachment

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8. Admin view of applicant's user profile

Admin Dashboard

Full Name
username

short description

Profile

View Applications

JOB TITLE ex. [Quality Assurance | Web Developer]

Full Description:

EDUCATION DETAILS
Description

PORTFOLIO: [Images]

Portfolio #1

EMPLOYMENT HISTORY DETAILS
Description

SKILLS

CERTIFICATION DETAILS
Description

CONTACT INFO

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About Us

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B. Documentation Format:

>   Page Size: 8 x 11" Document

>   Border: 1" ALL sides

>   Font: 11 Arial

>   Paragraph Spacing: 1.5

C. Rubrics for Grading:

>   **Final Project will be graded according to the following rubrics:**

RUBRICS FOR GRADING

CRITERIA	%	SCORE
ORGANIZATION, FORMAT AND GRAMMAR The document should be properly organized and should be wellformatted and free from grammatical errors.	20%	
RELEVANCE AND IMPACT OF THE DESIGN The design should be clear enough to show the functionality of the proposed system.	60 %	
ORAL PRESENTATION The group members were able to discuss the system design and answer the question related to it.	20%	
TOTAL SCORE	**100%**	

D. Deadline of Submission:

   The required documentation should be submitted in PDF format It should be uploaded in our MS Teams FILES – Final Project Folder. The deadline for submission of the documentation should be 1 day before the presentation. The presentation of the project is also scheduled for January 24, 2025.

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Goodluck and God bless!

Prepared by:

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