MINOR PROJECT ON ASCII

ASCII

Astute Students Community Interaction Interface

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I.   Problem Definition

Communication:

Many students find it challenging to communicate with seniors and peers from other classes since they are frequently preoccupied with their normal classes or lack any prior connections.

Support:

Students need a guide to assist in navigating the complexities of higher education, and the uncertainty and anticipation of what post-college life has in store. Mentorship is an important part of a student's education, and often goes unnoticed until students experience its impact for themselves.

Accessibility:

Even though we have access to the internet and we have access to all study material. It's still a problem that we have to go to different sites for different topics and sometimes it becomes a distraction for students to maintain their flow of study.

II.   Introduction

ASCII: (Astute Student Community Interaction Interface) A web application that

provides the platform to solve all of these problems. ASCII is basically a social sharing web

application. This web application brings together all the students and teachers on the same

platform. We provide accessibility to most of the study material that a student requires for

his/her education. We have created a platform for student community building and

discussion. Here people can seek connection and engagement with others. We provide a

space for users to share their opinions and ideas, learn from others, and engage in meaningful
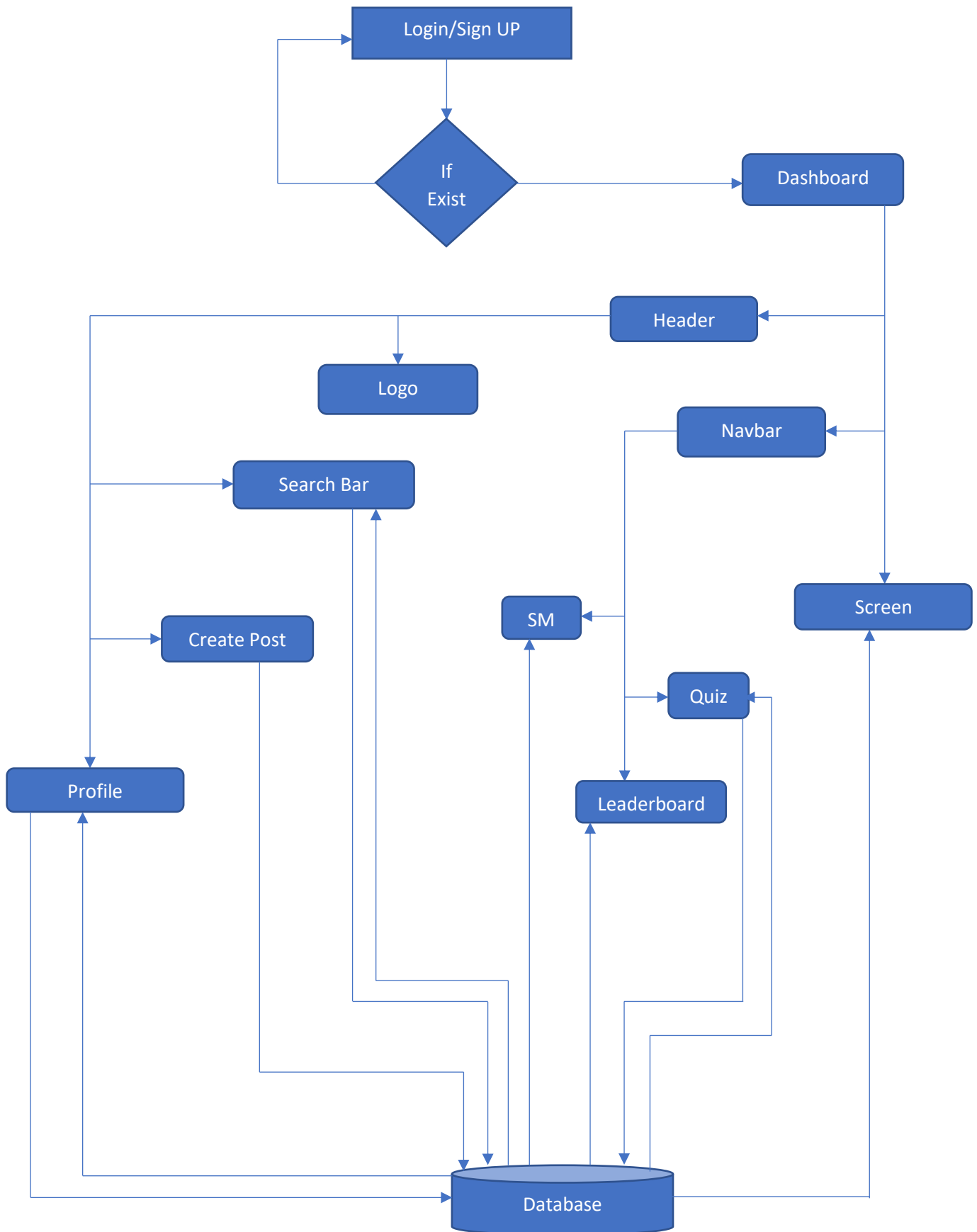
conversations

III.   Objectives

i.   To Provide a platform where students can interact with Teachers, seniors and

classmates.

ii.   To Provide a Platform to have access to most of the study material related to their

subjects.

iii.   To Provide an environment where students can grow their capabilities and reach their
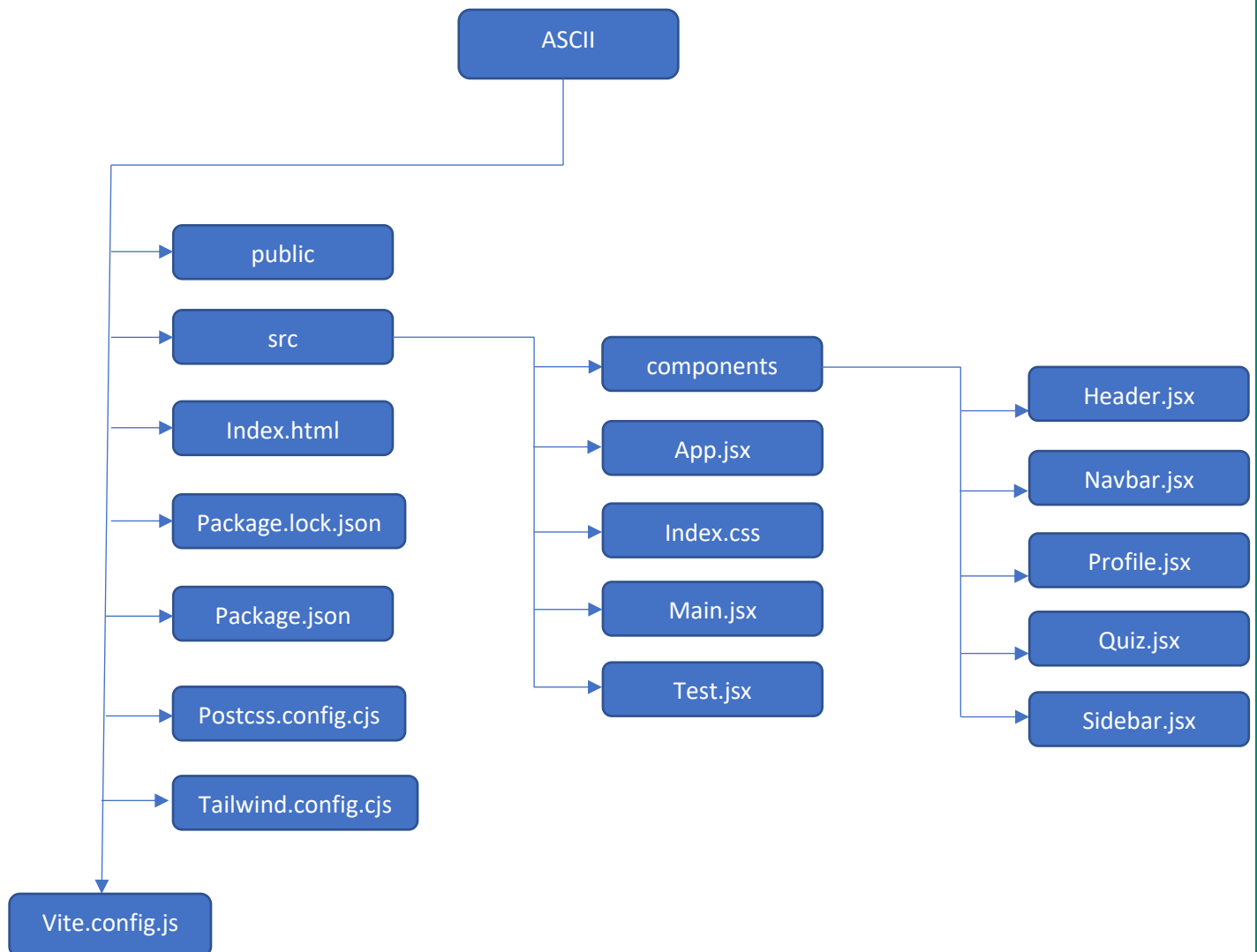
full potential.

IV.   Features

- ASCII is a public community web application.

- Anyone can post messages, images, and videos.

- These posts are managed by an authorized team.

- A post will be deleted automatically after 30 days.

- ASCII is a platform for most of the study material related to students and their subjects.

- Students can download their study material from the SM section.

- Quizzes to sharpen the knowledge of students.

- Quizzes can be made by an authorized team.

- Quizzes can be attempted by anyone who has an account in ASCII.

V.   Flowchart

VI.   Project Files

```
ASCII
├── public
├── src
│   ├── components
│   │   ├── Header.jsx
│   │   ├── Navbar.jsx
│   │   ├── Profile.jsx
│   │   ├── Quiz.jsx
│   │   └── Sidebar.jsx
│   ├── App.jsx
│   ├── Index.css
│   ├── Main.jsx
│   └── Test.jsx
├── Index.html
├── Package.lock.json
├── Package.json
├── Postcss.config.cjs
├── Tailwind.config.cjs
└── Vite.config.js
```

VII. Components of ASCII

a. Login

- Retrieve Username and Password.

- If user exists open dashboard and retrieve user account in application.

- If user doesn't exist show message on login page.

b. Sign Up

- Sign up page contains these fields:

  1. First Name and Last Name

  2. Gender

  3. Class

  4. Roll No

  5. Profile Photo

  6. Contact No.

  7. Email

  8. Password

- Store data in database and open account in application.

c. Dashboard

- Dashboard contains three components:

    1. Header

    2. Navbar/Sidebar

    3. Screen

- While the dashboard is open all the posts will be shown on the screen.

- These posts may contain text, links, images and videos.

- Authorized person can delete any content which may be inappropriate.

- Any post will be deleted after one month (i.e. 30 days from posting).

d. Header

- There are four components in Header: Logo, Search Bar, Create Post, Profile.

- **Logo** is an image which contains the link for dashboard.

- In S**earch Bar** user can search study material and posts.

- By using **Create Post** user can create a post and share on application.

- **Profile** contains the user account where user can view or update his data.

e. Sidebar/Navbar

- Sidebar contains four sections: Dashboard, Study Material, Quiz, and

  Leaderboard.

- Sidebar is displayed on the left side of screen.

- Study Material section contains all the material and links.

- In Quiz section user can attempt quizzes and admin can create quizzes.

- Leaderboard section contains the score of students, these scores are obtained from quizzes given by the student.

VIII.   Benefits

- ASCII provides a platform for students and teachers to communicate with each other.

- Students can seek support from teachers and their seniors.

- It makes easy for teachers to reach their students on a single application.

- It provides competitive environment for students to hone their skills.

- Quizzes can be made and attempted to enhance the problem solving skills of students.

- Study Material is provided for students so they can access all the important material in one place.

IX.   Future Scope

ASCII is currently at its beginning stage. We are hoping to add many features that may benefit student and make this application more user-friendly and interactive.

In future we'll provide online meeting system so that classes can be attended by using this app.

Group feature will be introduced in future so that it can also be used by a group privately. Where posts uploaded on a group will only be seen in that group, and a post uploaded to public will be seen by everyone.

References

Introducing react.dev – React

React Native · Learn once, write anywhere

References

Introducing react.dev – React