[Link to image](#)

Big User Stories:

There were zero changes made to big user stories. We think this version of the those will be the final one, unless major changes are proposed by our client.

Iteration 2 User stories:

Originally, our user stories looked something like this:

1. UI Design figma (Abdullah and Lukasz)
2. Account verification (Kashif)
3. Integrate course schedules within each course (Marko)
4. Improve the look of the chat, give it a new tab (Farzin)
5. Be able to suggest assignment, test, etc dates (Haaris)
6. Server creation (express.js) (Abdullah and Lukasz)
7. Database integration(MongoDB) (Abdullah and Lukasz)
8. Basic Security (Abdullah and Lukasz)

However, soon after we realized that we will not be able to accomplish all of this due to time constraints and we had to cut down our user stories.

These are the updated Iteration 2 User Stories:

1. Improve GUI (Lukasz and Abdullah) 5 days
2. Signing up and storage of users (Lukasz and Kashif) 5 days
3. Searching up course schedule (Marko) 5 days
4. Creating a group (Haaris) 5 days
5. Updating the look of the chat (Farzin) 5 days

Time estimate for all user stories was quite liberal and thus no one took more than 5 days to do their part

Website Layout

Changed from iter1. Now users will be sent to the starter page if they are not signed in which contains the option to sign in/sign up. If they are logged in it will send them to the home page which then branches out to the different components of the website.

Project Structure/Architecture

Since we are using the MERN stack the architecture is well known and defined:
- Frontend (React)
  - Handles UI, manages routes using React Router, and sends requests to the backend.
- Backend (Express)
  - Exposes API endpoints for user authentication, registration, and data management.
  - Manages business logic and connects to MongoDB
- Database (MongoDB
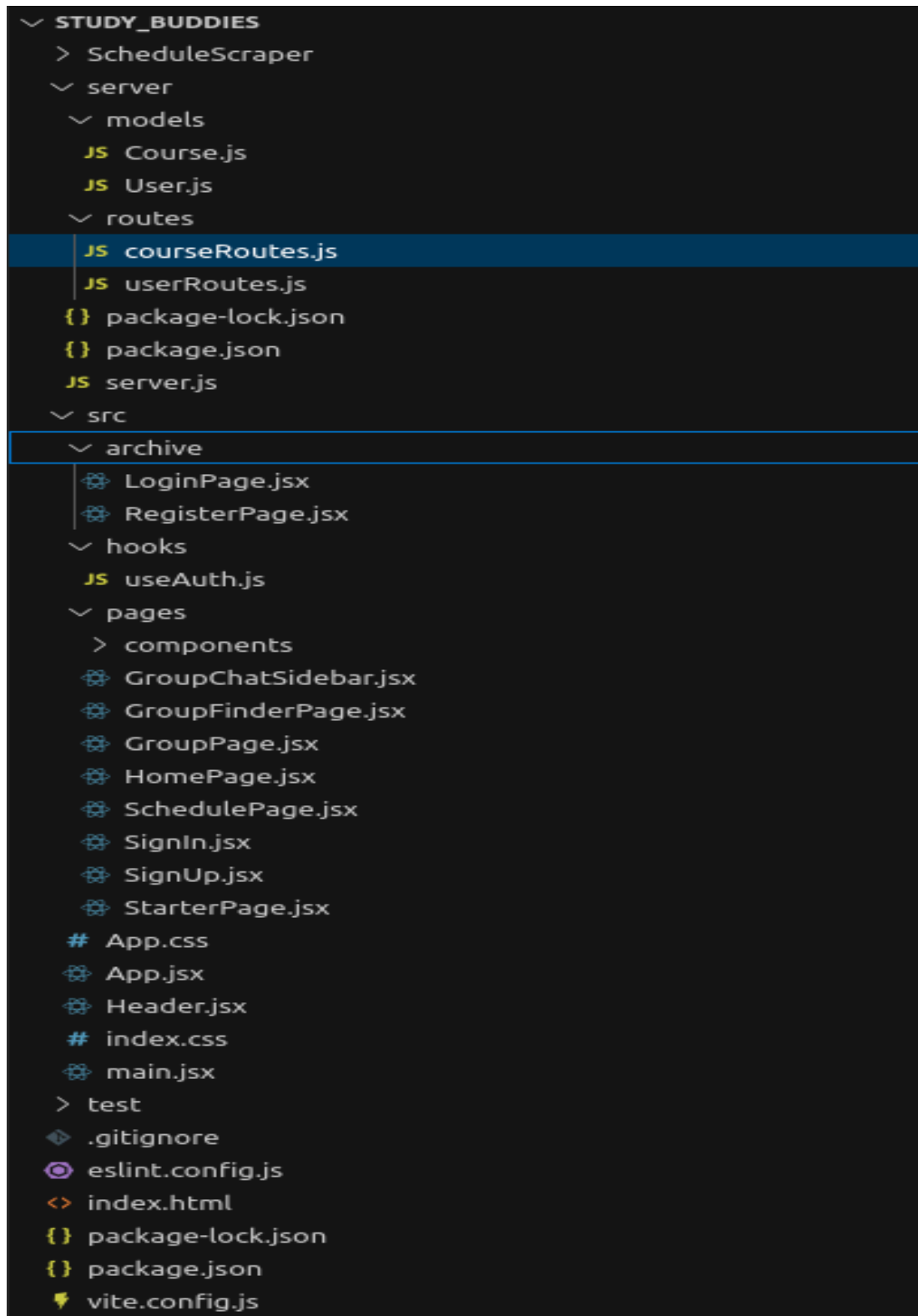 - Stores user data securely and efficiently.

The overall project structure remains similar. The changes made were:
1. Adding components folder to store reusable svg components
2. Archive folder for deprecated pages

3. Creation of hooks folder for custom hooks (useAuth)

Also pages and mongoose schema were added as well as routes.
Here is a screenshot of the project structure:

```
∨ STUDY_BUDDIES
  > ScheduleScraper
  ∨ server
    ∨ models
      JS Course.js
      JS User.js
    ∨ routes
      JS courseRoutes.js
      JS userRoutes.js
    {} package-lock.json
    {} package.json
    JS server.js
  ∨ src
    ∨ archive
        ⚙ LoginPage.jsx
        ⚙ RegisterPage.jsx
    ∨ hooks
      JS useAuth.js
    ∨ pages
      > components
      ⚙ GroupChatSidebar.jsx
      ⚙ GroupFinderPage.jsx
      ⚙ GroupPage.jsx
      ⚙ HomePage.jsx
      ⚙ SchedulePage.jsx
      ⚙ SignIn.jsx
      ⚙ SignUp.jsx
      ⚙ StarterPage.jsx
    # App.css
    ⚙ App.jsx
    ⚙ Header.jsx
    # index.css
    ⚙ main.jsx
  > test
  ◈ .gitignore
  ◉ eslint.config.js
  <> index.html
  {} package-lock.json
  {} package.json
  ⚡ vite.config.js
```

A better picture can be seen in the markdown file in the Iteration 2 folder.

Comments on DB choice:

Since day one of the project we decided to use the MERN stack which uses MondoDB as it integrates well with the rest of the project.