Uml diagram

Front end- react

Backend - django

**Authentication:**

**Front end**

React- we can make new components using react. And use it multiple time/. Reusable code.

Components

Authentication- is there in every page

I.e login, but there is no security. Anyone can change the code in the frontend.

Login

After verification, Token is sent token is stored in the database and the time of logout is stored next authentication request every token is sent.

The frontend will send a message to the backend.

**Backend**

Jwt- java web token

Username and password is received from the request. It will check . if valid database will store jwt and the group is defined to show what to show and then send it to the front end. Backend knows jwt corresponding uname and password.

1 username and password - frontend

2. Backend - authenticate using ldap/db

3. If yes , it will generate a token for the session.

4. Store user related , token,time of logout(time+30min)

5. Return token + user group + user info to front end.

6. Frontend: store token, user group, user info to local storage for next api call.

Private route jwt token in http header

Front end structure:

React js : component sent

Every page is made as a component and called.

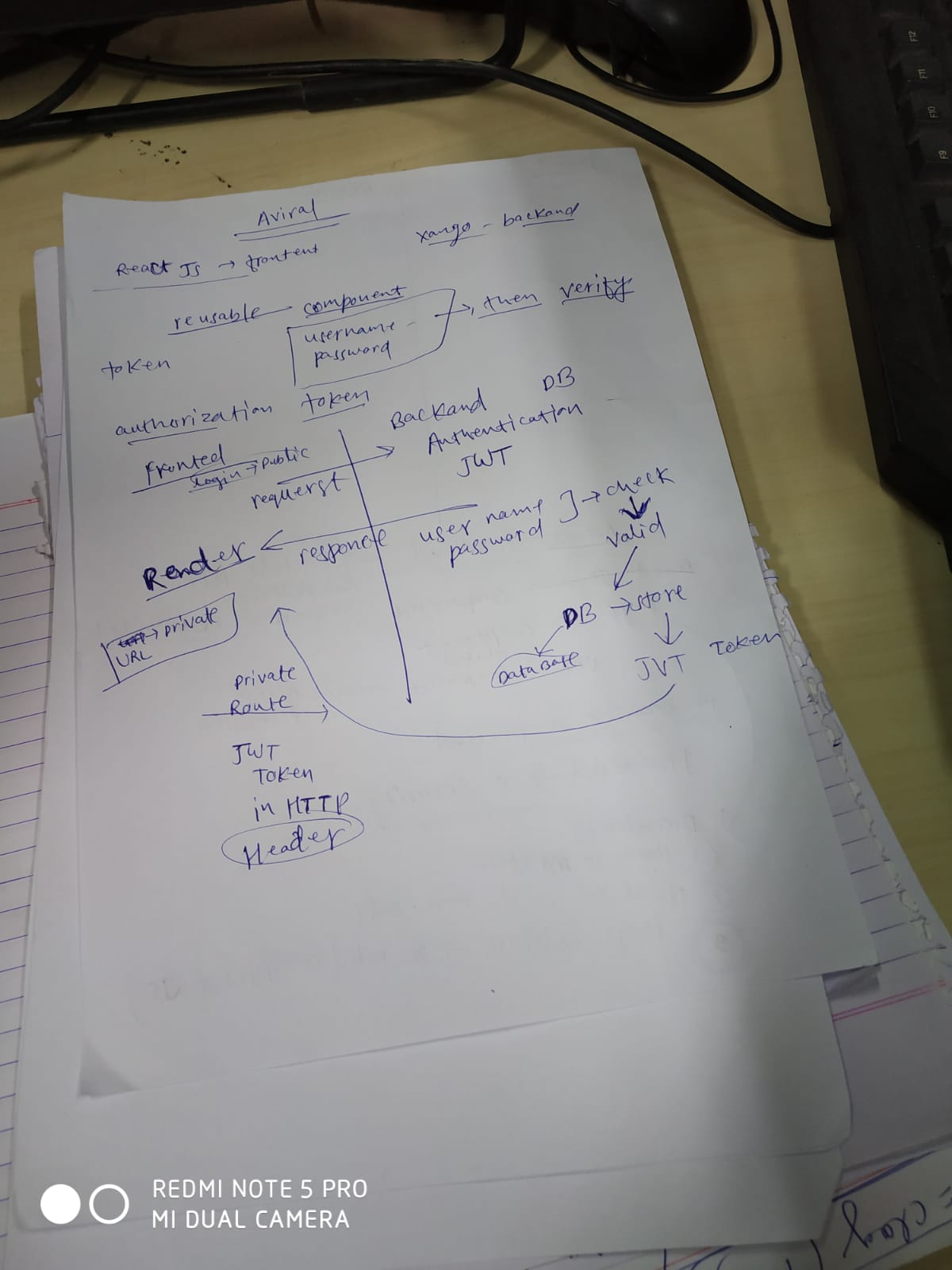
Every url ->1. which component is related ,2. access permission- are stored in browser local storage and can be manipulated easily and there is no security since the code is available publicly. 0 security.

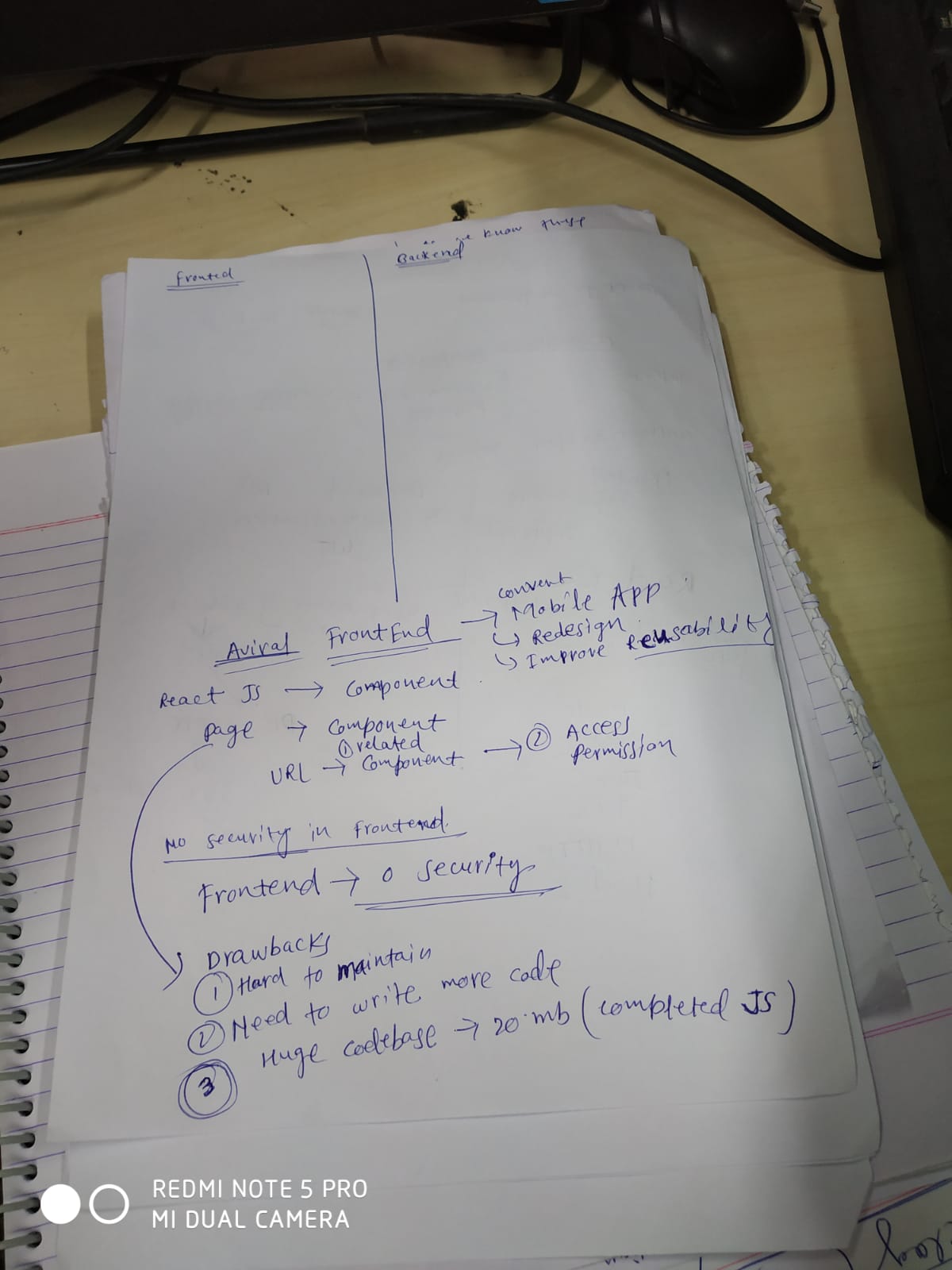
Things to do:

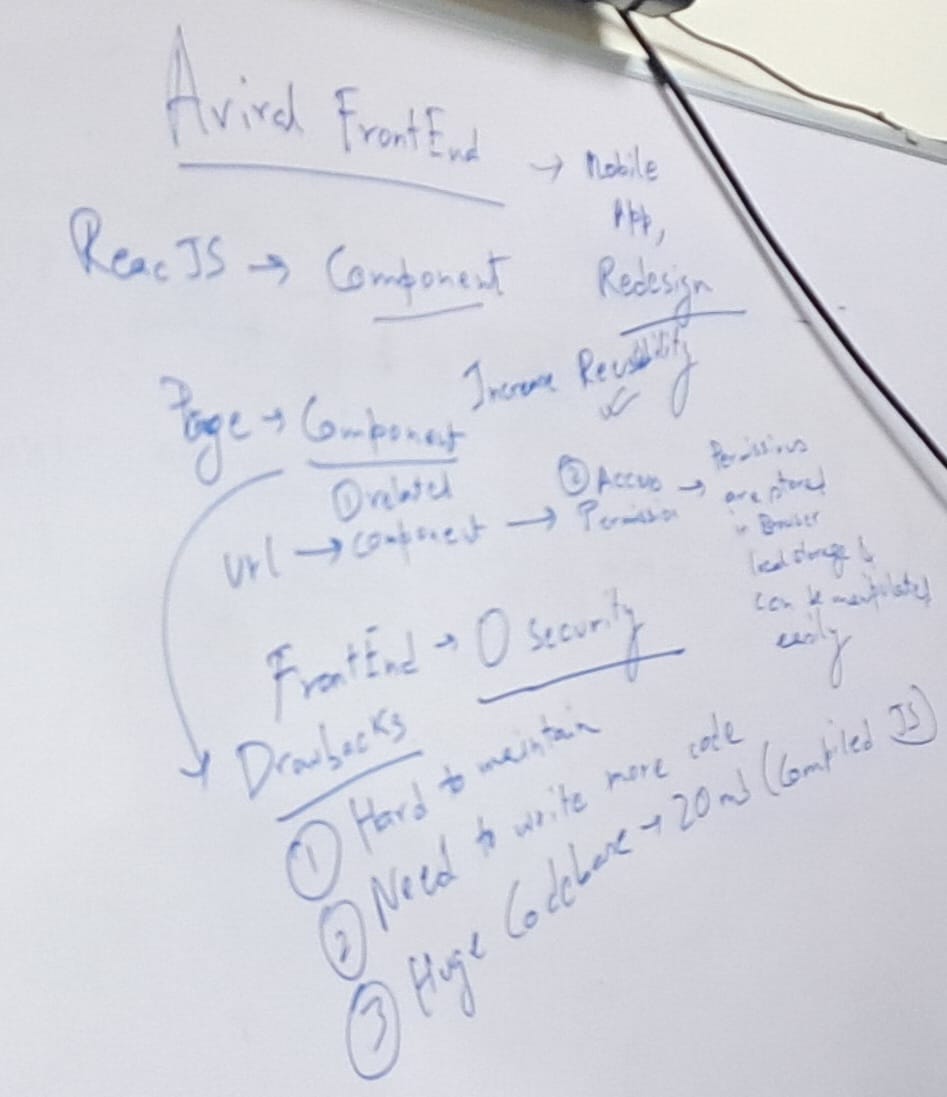
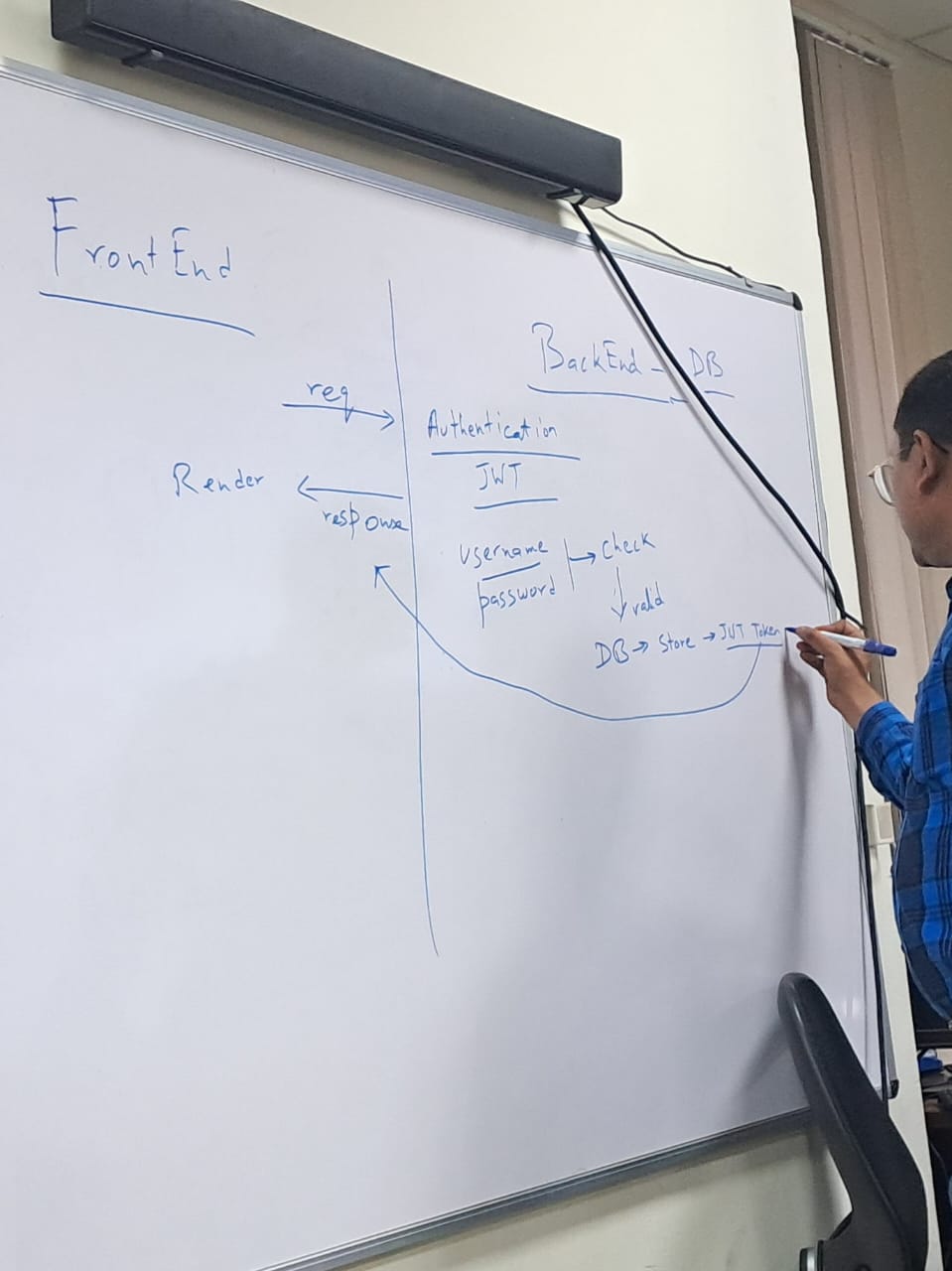
1. Convert to mobile
2. Redesign
3. Reusability

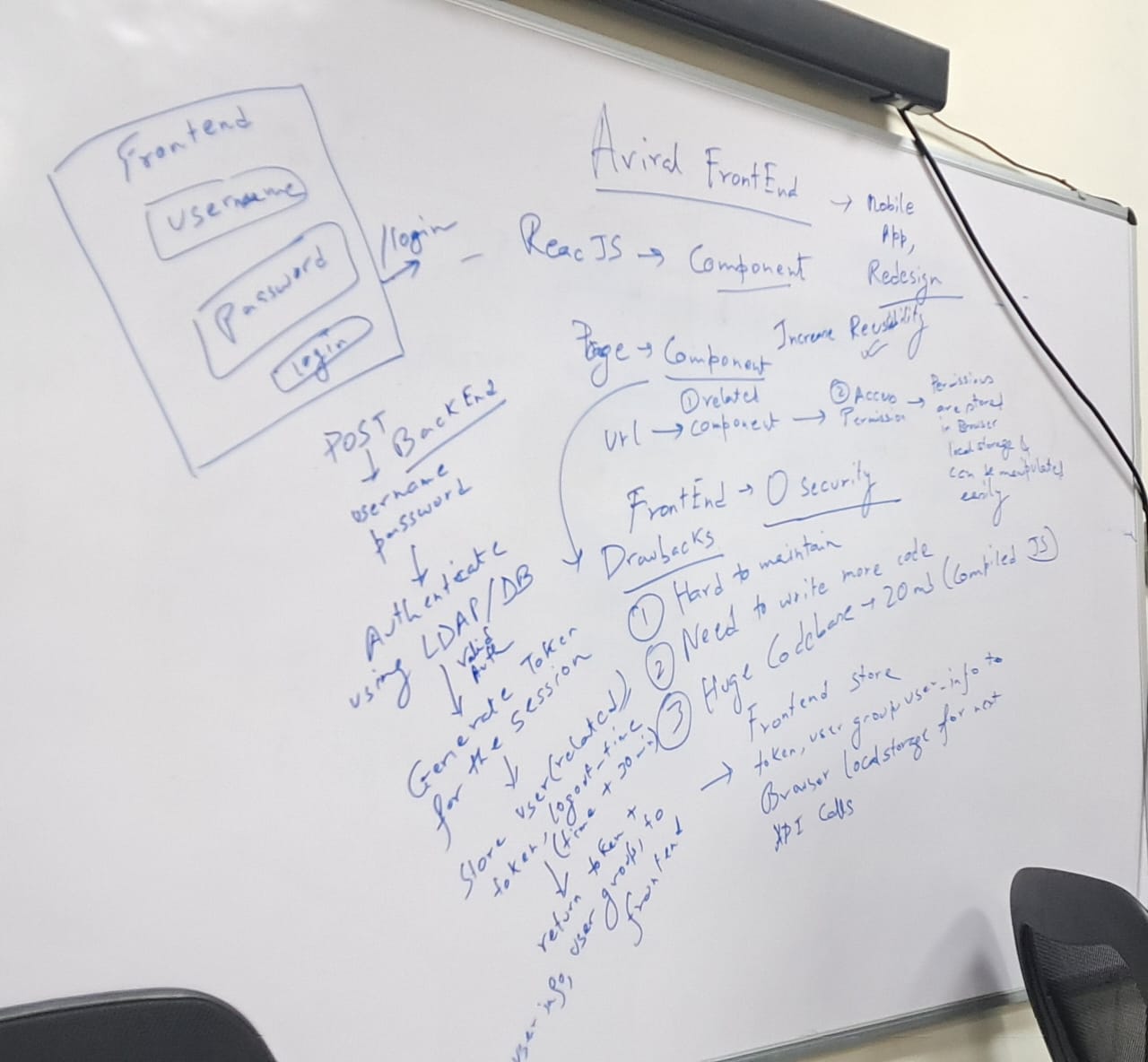
Drawback for every component:

1. Hard to maintain
2. Need to write more code
3. Huge codebase-> around 20mb compile version (avairal.js)

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