You are tasked with creating a simple **single-page application** following the requirements handed to you. This task is not meant to be strict, if you find yourself having to make a decision, just choose whatever you think benefits you the most.

Requirements

Given a chat log file(**.txt**) and a number ***k***, determine the top ***k*** *chattiest* users.

- Chattiest means how many words a user has chatted (typed in)
- A word is simply anything between whitespace.

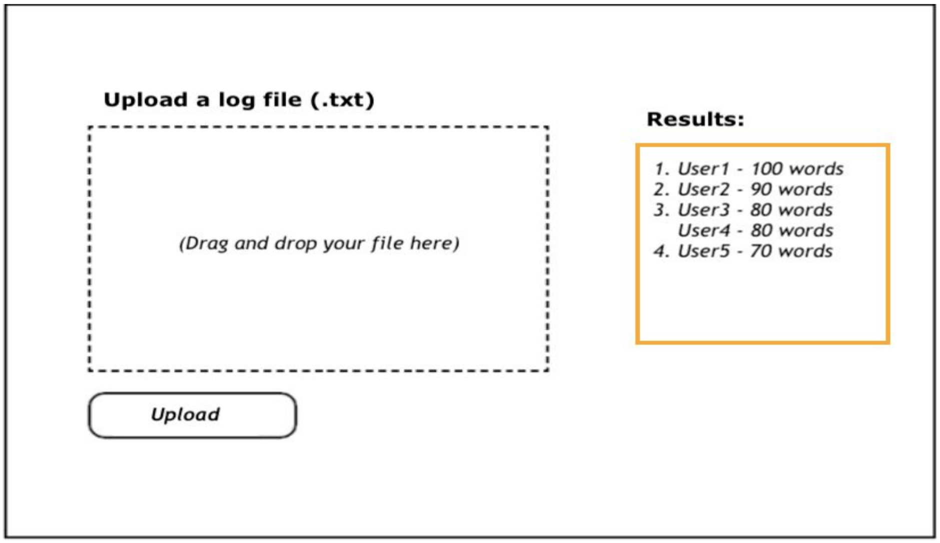
The logfile format is like this:

<user1> *this is some chat words*
<user2> *the sky is blue*
This line is still attributed
This line is still attributed!
<user1> *more chat from me!*
<user3> *this is some chat words 1*
<user3> *this is some chat words 2*
<user3> *this is some chat words 3*
<user2> *the sky is blue*
This line is still attributed
<user1> *more chat from me!*
This line is still attributed!

You can assume the characters “**<**” and “**>**” only appear in the file for attributing a username.

Create a web/mobile app which has:

- A one page front-end to upload a **.txt** file. You’re free to use any library or framework but Next Js is recommended. It should look roughly like this:



  - Return a list of the **chattiest** users, in **descending** order
  - **Validate the file type** of a file upload, prompt error to user if it’s not a txt.

Optional task: ***[completing this will get special considerations]*****:**

- You separate your application into 2 independent parts, one for frontend and one for backend.
- Your application allow multiple file upload, and display results accordingly
- You deploy your application to cloud server (any cloud server)
- You write tests for your application.

What we expect from you

- You write efficient code, reusable code and efficient loop
- You handle errors and exceptions
- Your application is well structured

Please include all applicable tests, push your code to GitHub or any Git repository hosting service and **send us the link**. As a final note, remember that this is more about **showcasing your knowledge** than about **solving a problem.**