Week 6 Hackathon - Planning for Meme Generator App - BENFASIMO Generator:

<https://trello.com/b/QIkTfaAw/react-athon>

The link above is for the Trello with the plan below

Planning:

Definition of the Dreamer, Realist and Critic (so we are on the right pathway):

The Dreamer Taking on the Dreamer role in this first phase, you and your group focus on free association and brainstorming of ideas. Anything goes here. It's your chance to let your imagination run wild!

The Realist Next, it's time to be realistic and decide which of your ideas are actually possible or practical. What would you need to do in the real world in order to make them happen?

The Critic Here you need to examine your chosen proposal and its real-world implications from a more critical viewpoint. You want to make sure that your plan is as comprehensive as it can be. Every detail needs to be scrutinized and refined.

Dreamer

Our vision is to create a website that has “unlimited” choices of memes

Give the user the control to select whatever memes they want

Complete freedom/autonomy to choose, create, share and rate.

When you download a meme then have a library that stores it for you

You have option to view other meme libraries

You also have the option to have private library just for yourself

Function to upload your own image to create your own memes

Rating other memes and allowing others to rate yours as well

It has to be free platform

Create a “Meme of the Day” winners

Create a function that lets you choose to be either a “Producer” or “Consumer” user

Create “Categories” of Meme and/or “Favourite Meme” line

Eventually allow users who are researching in maybe a University to collect data and/or research (algoritim to remember the trends and so on/ the statistic side)

Create a feature that censors negative language/meme (Not safe for Work”

Creating MEME communities

Realist

We are on a time limit

We are also on a budget (which is basically ZERO)

We have limited knowledge of REACT

We are one man down

We need back-end knowledge to create libraries

Critical

There is no over complicated reason for this not be achieved in the near future (when we are more confident in our knowledge)

Why would the users use our meme generator when there are so many other platforms to use?

Focus on the UX to separate ourselves from the market but the database to collect information over time takes too long, and too expensive

Creating algorithm could be time-consuming

We don’t control who uses the platform as much

There will always be negative people on the platform

Testing the features and websites is a hassle (too expensive).

Our main audience/user:

Our audience of producers are people who are happy to create the memes

Our audience of consumers are people who are happy to consume memes that were created by the producers

Smaller group that are interested in the statistic side of the meme generator (i.e algorithm) to collect data

Our audience that could be both a producer and consumers as well

Person number 1:

Meet Ben

He works all the time and he does not have enough time to relax for long period of time

Thus he likes to consume memes for short time only

Person number 2:

Meet Farhiyo

She is unemployed and likes to be on her phone at all times

She also likes stand up comedy and likes to make lots of jokes

Thus she prefers to produce the memes

Person number 3:

Meet Qasim

He is a 3rd University student who is expected to be studying and writing dissertation to graduate Univeristy

He also likes to consume and produce memes when he is supposed to be studying

He reached out to the BENFASIMO team to get data for his research paper

Step by step plan:

High level plan -

Find and agree on an API

Once we decide on the API and look at the parameters it offers as we need it to have all of the features that we are going to use on REACT

We need to fetch/import the URL

Plan and construct how our app is going to look like (we already decided based on the API we have chosen and we decided to give the easy route)

We need create our components and folders in the VS code

Then we need to NPM i afterwards

Then write simple code using REACT to test if we can create and input text

Fetch our API

In depth Plan:

Our agenda is: To make a meme generator using ReactJS.

We need two text fields in which we enter the first text and last text.

After writing the text when we click the Gen button, it creates a meme with an image and the text written on it.

In this React app, we have only one component: MemeGenerator.

MemeGenerator contains a render method that returns a controlled form

The form contains two input fields and one Gen button

When the MemeGenerator component gets rendered on the screen, the componentDidMount() method gets activated and makes an API call, and stores the data received in an array.

When the user fills the input field and clicks the Gen button, the form gets submitted, and a random image URL is assigned to the randomImg state variable. The image is shown on the screen along with the text.

Prerequisite: The pre-requisites for this project are:

React

Functional and Class Components

React AJAX and API

ES6

Getting Started with React: Our React app contains two components, the App component, and MemeGenerator component.