

Meme Storage

Class: ENSE 374

Instructor: Timothy Maciag

Date: Dec. 02, 2022

Team Riker

Prepared by: Ihab Mohamad, Mhd Feras Aljoudi and Muhammad Zaman

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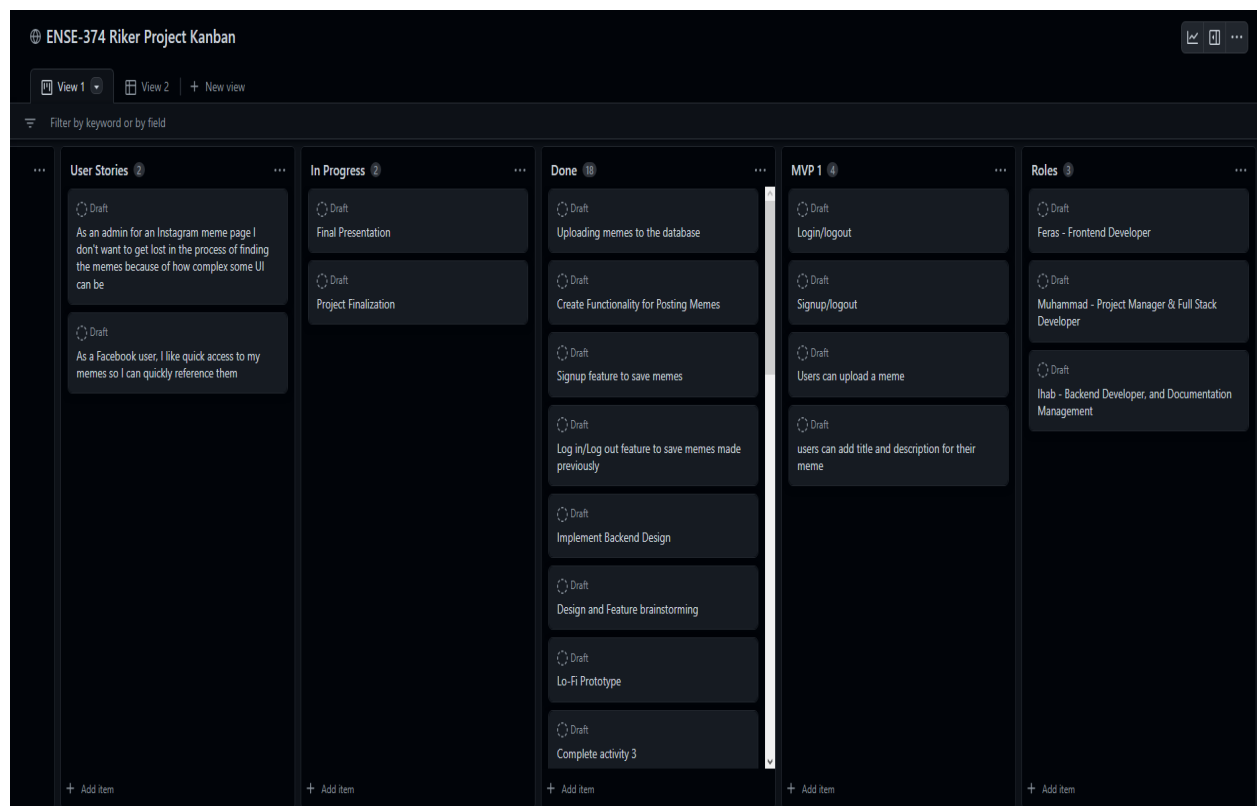
1-Introduction:

Life is full of problems and situations which give us stress at some point. That lets most of us try to go somewhere and find something to make us smile and reduce stress. We as a Riker team decided to design a project that can reduce depression and increase smiling faces. We decided to create a meme generator where people can express their feelings in generating their own meme. Our main reason for choosing that idea was to lighten the mood in our business and personal lives. During the process of the project we ran through some challenging issues which made us change our project idea from designing a meme generator to designing a meme storage. Although the idea of the design changed, we kept in mind to achieve the main purpose of the design which is reducing depression and increasing smiling faces. In the report, we will go over the main process of the design and the final execution.

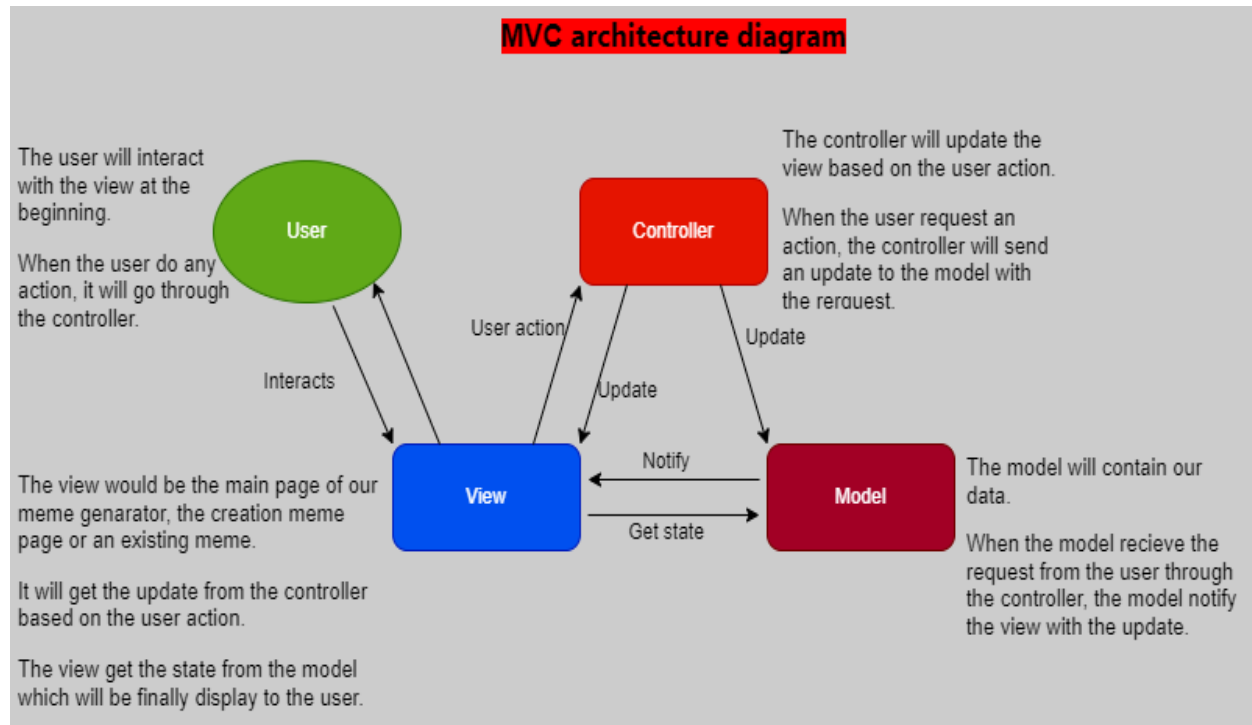
2-Documentation:

In order to make our project and our process accessible for everyone, we kept our process up to date on github. We started the project with creating some documentation to assist us identifying the process of the project. Some of the documents which we created are the roles and responsibility document which shows the role and the responsibility which each one of the team members holds, the project scope statement which details the deliverable design and the project exclusions, and the project charter which details the project goals, objective, and the stakeholders of the

project. Fig.1 below shows the Kanban from our github which shows the roles of everyone in the team, the MVP, the tasks which are in progress, the tasks which are done and two user stories which shows an example of when our final project can be needed.



We created a Model View Controller (MVC) architecture diagram to show the interaction of the user at one side and the view, model and controller at the other side. Fig.2 below shows the MVC architecture diagram which shows the details of the interaction between the user, the view, the model and controller explained in detail.



During the process of the project we realized that continuing with creating a meme generator will require us time which is longer than what we have left before the due date of the project. As we were doing the first demo with our instructor Tim, he told us that he finds an issue sometimes when saving his favorite meme to his folder because of the memory size. That brought to our attention creating a meme storage instead of a meme generator. We were happy with that idea for two main reasons. The first one is continuing with our main goal of the design which is reduce depression and increase smiling faces, and that could be done with either a meme generator or an meme storage. The second reason is being able to complete the project within the given time frame.

3-Execution:

We created our website using some tools which we learned in our school, and we were able to complete a simple, nice, and user-friendly website. We used HTML, CSS and BOOTSTRAP in our front-end side, and we used JavaScripts, MongoDB and Mongoose in our back-end side and for saving our data. In order for anyone to use our meme storage, he/she needs to create an account first by going through very simple and user friendly page as you see in Fig.3 below.



The image shows a web interface for 'Meme Storage'. At the top, there is a teal header with the text 'Meme Storage' in a pink, italicized font. Below the header, there are two main sections: 'Log In' and 'Register'. The 'Log In' section has a teal box with the text 'Log In' in pink, followed by two white input fields labeled 'Username' and 'Password', and a pink 'Log In' button. The 'Register' section has a teal box with the text 'Register' in pink, followed by three white input fields labeled 'Username', 'Password', and 'confirm Password', and a pink 'Sign Up' button. The background is a light green and blue geometric pattern.

After signing in as a member, you will be able to use the storage to upload and save the meme you like. Also, you will be able to see other memes which other members uploaded and others will see yours as well. We decided to keep the storage public for all members to increase the fun and the smiling faces. When you upload a meme, you will be able to add a title and a description for it then submit it to the main page as you see in Fig.4 below.



The image shows a web form titled "Meme Storage v1.0". The form is set against a light gray background. It contains the following elements:

- Title:** "Meme Storage v1.0" in a large, dark blue font at the top center.
- Image Title:** A label followed by a text input field containing the word "Name".
- Image Description:** A label followed by a larger text area with a small icon in the bottom right corner.
- Upload Image:** A label followed by a "Choose File" button and the text "No file chosen".
- Submit:** A rectangular button at the bottom center.

4-Conclusion:

As you see, we were able to come up with a simple, nice and user-friendly design to reduce depression and increase smiling faces. Our meme storage is not only used to store your meme, moreover, you can join as a member to see memes that were uploaded by other members and that will make you have some smiles even if you do not have a meme to upload. Although we had to change our idea from creating a meme generator to a meme storage, we were able to achieve the main goal of reducing stress and having some good laughs.

As a team we are so proud of our final design and we believe that completing this project will motivate us to design more valuable designs for the customers in the future. Although we had some challenges throughout the process, especially with the time, we were able to go through them and gain more knowledge and skills as we passed over each challenge. We were happy to work with building a design which will be useful for others to use and which made us increase our skills and work at something fun at the same time.