1 Introduction

1.1 Choice of Problem

As mentioned in my previous write-up, I chose **problem 2**, where I wanted to do a re-design of a current website. I chose **Piazza**.

1.2 Purpose of Website

THe files required have been attached together with the writeup.

The main purpose of the redesigned website is to redesign the following components of the Piazza Website as mentioned in the previous write-up. While at the same, work on the User Interactions which Piazza has been lacking in and fixing the layout of the pages that I have done from my wireframes and prototype.
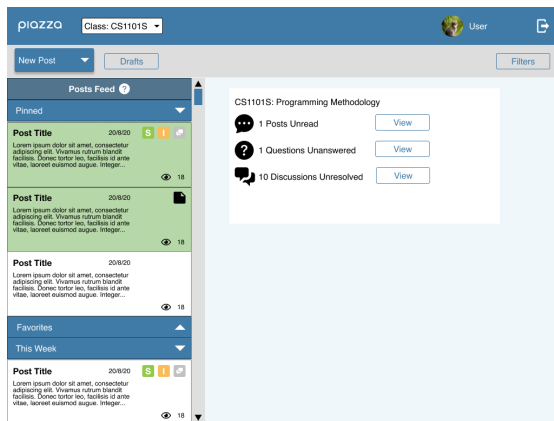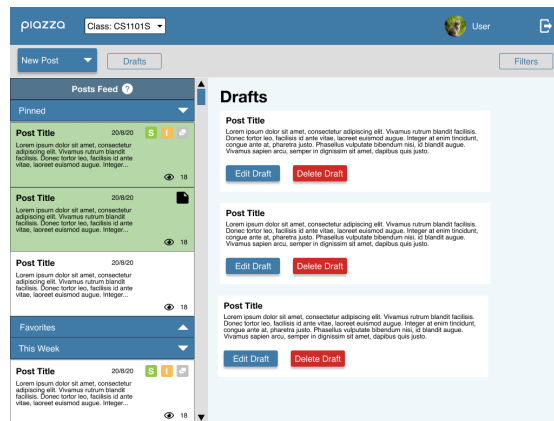

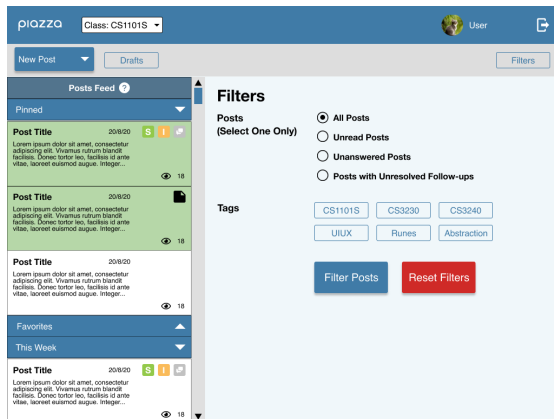Figure 1: Home Page
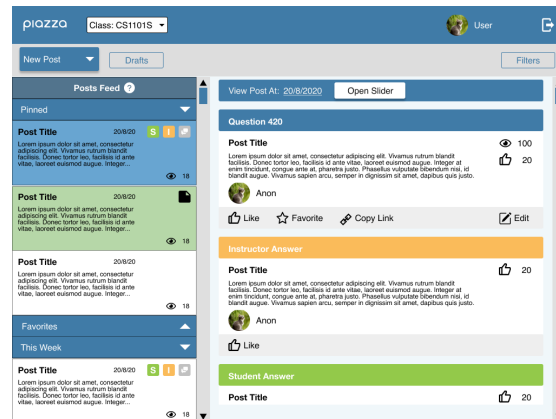

Figure 2: Drafts Page

Figure 3: Filters Page

Figure 4: Posts Page

1.3   Rationale To Choosing Piazza

Piazza is a Q&APlatform for Students and Instructors to interact with one another to solve relevant questions with respect to a subject or a module. As I have schoolmates who have used Piazza, they find that interactions are inadequate and it does not make it very interactive. As a result, I would constantly define the user group here to be **students**. There are a **few issues** with respect to piazza, to name a few:

1. **Unique Interactions** such as viewing a post's history are not **obvious** to the user and users have no idea such a feature even existed!

2. Not only that, they are unware of their **drafts** and that they had issue finding their saved drafts.

3. It is difficult to find the **favorite** button to bookmark a specific post for reading in the future.

The wireframes to solve these problems will be discussed in later sections.
As a result, this website would be a good choice to re-design and make further improvements on.the usability and the interactiveness of the website as a Q&A platform.

2   Changes from Previous Design

I would to talk about a few main changes from my wireframes that I have did previously. They mainly aim to fix the following from the prototype that I have designed.

1. Color Coding and Arrangement of Posts Feed

2. Adjustment of Buttons for Posts Page

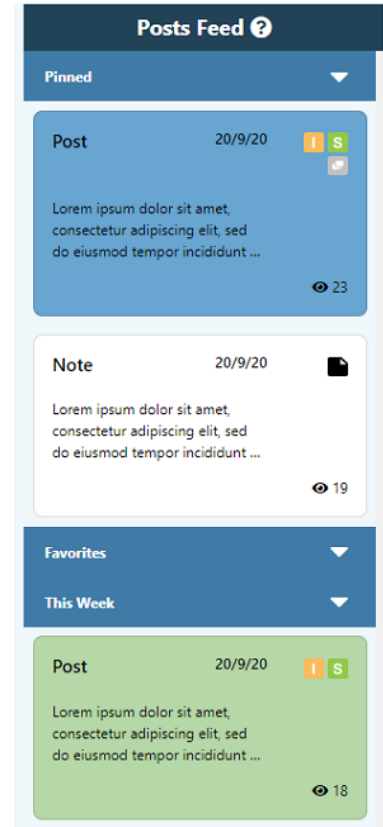## 2.1   Changes to Posts Feed

Figure 5: Old Posts Feed

Figure 6: New Posts Feed

2.1.1   Prototype

With Regards to the Prototype of the **Posts Feed** section, there were a few things that I needed to change:

1. The Posts Feed header was not obvious.

2. The Cards were too tighly pakced and awkwardly boxed

As a result, simple and slight changes were made to solve these issues.

2.1.2   Website Design

With Reference to Figure 6, there were a few changes made.

1. The Posts Feed header is now of a **much darker shade of blue** to give **greater constrast** in terms of headers and dropdowns.

2. For the Cards, a slight border radius was added to them and margin was given to give adequate spacing between the individual cards. As a result, it is no longer too tighlt packed and uncomfortable for the eye.

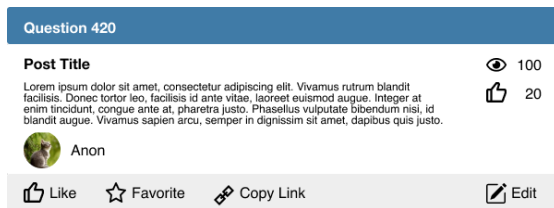## 2.2   Buttons for Posts Page

Figure 7: Old Question Card

Figure 8: New Question Card

2.2.1   Prototypes Vs Website Design

Basically, the Edit Button was removed as there was no need for such functionality at the moment. Also, the text was placed below the icons, so that the icons would not look too stretched.

3 Bonus

3.1 Interactivity

3.1.1 Using Local Storage

The idea of Local Storage is to cache the **data based on the last visit of the student**.
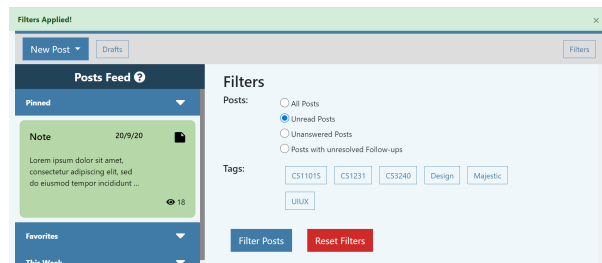

Figure 9: Filters Applied

For example, if the student were to apply the **unread filter**, he or she would have his or her local storage updated on his or her browser.
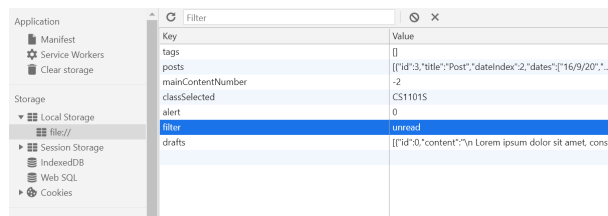

Figure 10: Local Storage Updated with latest filter

3.1.2   Using Local Storage to simulate site interactivity

Also, views, likes, and whether a post is favorited or not will be saved into one's local storage and be updated accordingly. As a result, when the user re-visits the page, the data from the previous visit will still be saved.
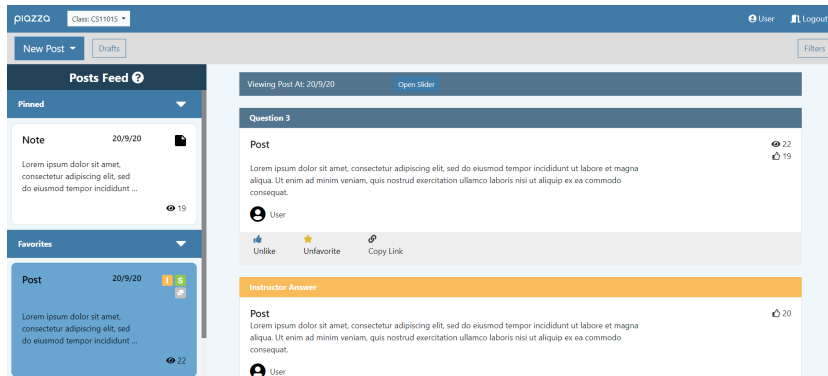

Figure 11: Dynamic Updates to Post

For example, when favoriting a post, the local storage will be updated such that the post summary under the posts feed will **shift into the correct category**.
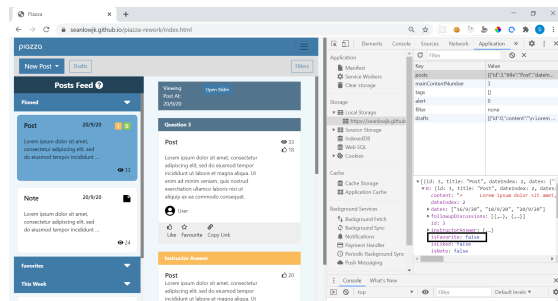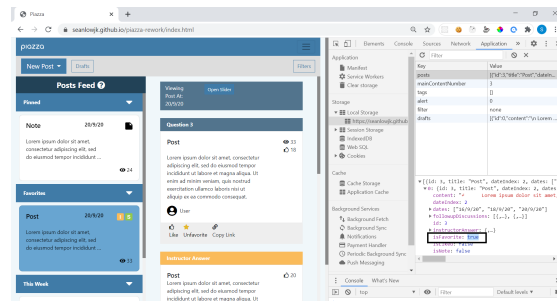

Figure 12: before

Figure 13: After Favorite

3.1.3 Alerts

Figure 14: Alerts Activated

As mentioned in the write-up for the Figma Prototype, simple alerts will be shown on **the top of the screen** to simply indicate the success of an action or not. This is **essential** to provide feedback to a user whenever an action is completed or not.
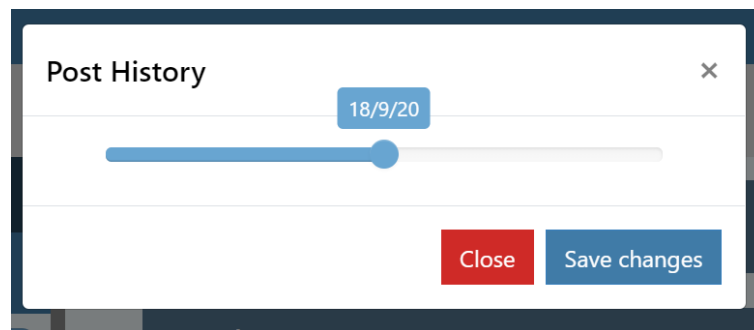
3.1.4 Post History Slider

Figure 15: Post History Slider

As mentioned in the write-up for the Figma Prototype, the Post History Slider is implemnted in a separate modal and that the color scheme makes it easy and obvious as to how the slider should be used.