

## **Part 3: Low-Fidelity Prototypes**

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**Wiki Page:** <https://montclair.instructure.com/groups/6731/pages>

### **What we did:**

We analyzed each sketch and discussed things we liked and disliked from them. We pooled the good ideas together into the final prototype and discarded some features which would be too much to implement. The goal of the group was to aggregate as many sketches as possible and then pull out the best ideas. With enough variation and input from each of us, our ideas were able to come together in order to best meet our goals. For example, we knew we wanted a quiz page and a forum page. Louis had created a sample quiz layout and Greg had created a sample forum layout. Joseph also created a side navigation panel which is in alignment with everyone's overall design philosophy. Also everyone seems to have had a tiled-interface in mind as all of our drawings reflect that. This consistency will translate over to our future prototypes. Each of these will contribute to our prototype and ultimately how we would want to make the site function for the users. Generally speaking, we agreed that it was important for each of us to articulate with the sketches what we envisioned. We also decided to keep the entirety of our focus on creating a demo site based on Computer Science. Although a complete implementation of our project would allow for any subject matter to be discussed and fleshed out, it is important to narrow the focus to a single avenue.

### **What we learned:**

We have discovered that trying to implement this project in full scale is actually quite daunting. Although it would be wonderful to have all the complete functionality, it seems best to cut out the forum section for now. There are a few practical reasons for doing this--some from a development perspective and some from the usability perspective. In terms of development, creating a smooth functioning forum system could be a project in its own right. A comprehensive forum supports many features including private messages, multiple text editors, signatures and so forth. For the sake of implementation, we are focusing on more of a messaging feature where one user can send a simple text message to another user. This also relates to the usability perspective. Although we want the site to encourage deep learning, and be open to the users, we don't want it to be so accessible that individuals with malicious intent can come and bring a negative attitude to the site.

Another thing we learned was that many of our designs had common ground, our home screens all shared similar ideas. So we included them in our final prototype. The design process is essentially a multitude of our ideas merged together and tweaked for the optimal layout.

### **Final prototype Description/Tutorial:**

We will use a home screen with a centralized search bar. Below the search bar will be tiled panels with picture & textual representations of topics/pages of possible interest. The selection of these will come from the most popular pages on the site by # of views. At the top right of the screen will be a link to access the user's account.

From the home screen, a user can choose 1 of 4 paths:

- 1) Search topics by keyword using the search input
- 2) Go directly to a topic page using one of the tiled links
- 3) Access their account profile (only if they are signed in)
- 4) Sign in/Register (only if they are not signed in)

User chooses 3)

This is a “leaf” page where the user will just be shown account info, and they can see their rating and change account details.

User chooses 4)

Here the user can fill out a short registration form with username, password, and email address. After registering, they will be taken back to the home page.

User chooses 1)

If the user chooses to search, they will be taken to a search results page showing a tiled list of topic pages, similar to the home screen. However, these topics should be related to the user's search criteria. The search bar should still be visible on this screen, as the user should be able to adjust their search if they do not find what they are looking for. Also still present are links to their account profile (if signed in) or a link to sign in/register. This screen's look and feel should be consistent with the home screen.

From this search screen the user can choose 1 of 4 paths (same as before):

- 1) Search topics by keyword using the search input
- 2) Go directly to a topic page using one of the tiled links
- 3) Access their account profile (only if they are signed in)
- 4) Sign in/Register (only if they are not signed in)

If the user chooses 1), it is a repeat of 1) from before. If the user chooses 2) they will be taken to a topic page. On the topic page (E.g: Robotics) will be a list of links to user submitted content related to the topic. The page should display the top 5-10 links based on popularity, with breadcrumbs to see more should the user want to. Below this list should be a list of 5-10 user submitted quizzes with breadcrumbs to see more. Below this list should be a link to create a new page and a link to create a new quiz. On the right side will be a navigation section, with a link to access the user's account (or sign in register). This nav bar will remain regardless of what the user chooses to do next. The nav bar should provide access to the site no matter where the user goes. There will also be links to access the topic's “community” section. Finally there will be a search bar to start searching over again.

From here the user can choose 1 of 9 paths:

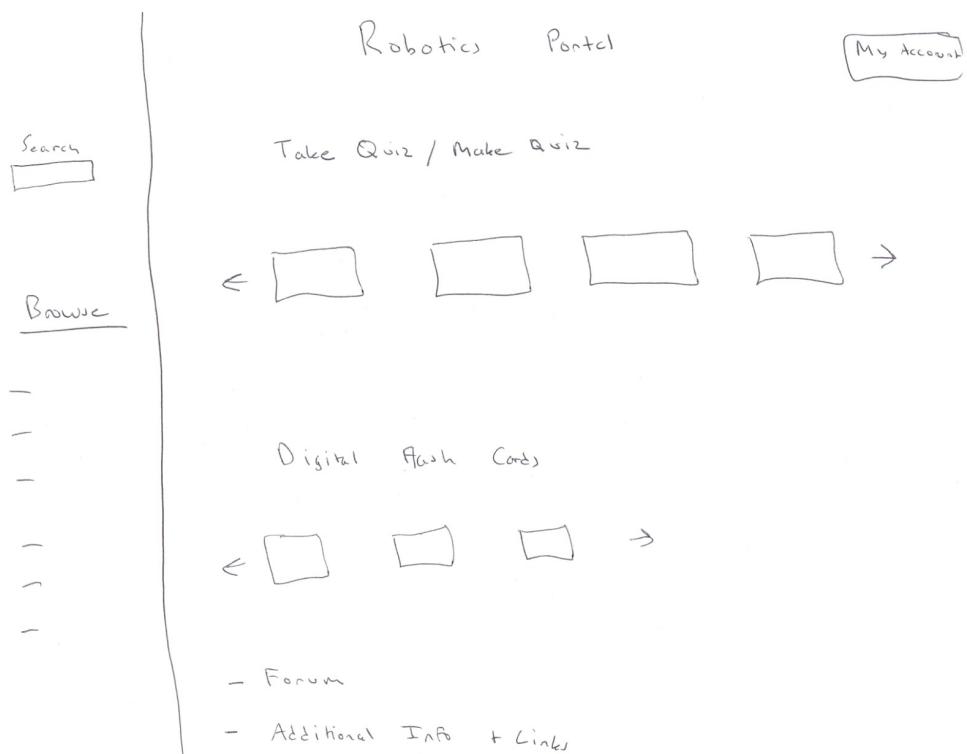
- 1) View user submitted page
- 2) Take user submitted quiz
- 3) Create a page
- 4) Create Flash cards
- 5) Create a quiz
- 6) Go to community section
- 7) Access their account profile (only if they are signed in) -- already covered
- 8) Sign in/Register (only if they are not signed in) -- already covered
- 9) Search topics by keyword -- already covered

Options 1) and 2) are leaf pages where users can view already submitted content. The user submitted page could be a set of flash cards or an article about the topic, for example Robotics. The user submitted quiz can be taken and after submission, the user's score will be displayed and any questions scored correctly will be indicated with a green checkmark. Any questions scored incorrect will be marked with a red X.

Options 3) and 4) and 5) are leaf pages where the user is taken to an editor where they can create a general article about the topic, flash cards on the topic, or a quiz on the topic.

Option 6) will take the user to a community page with a list of ongoing discussions relating to the topic. The user can read an existing discussion and post a reply or they can create a new discussion thread.

## Sketches



- Find New
- Restart Current

Q1

A  
B  
C  
D

Q2

A  
B  
C  
D

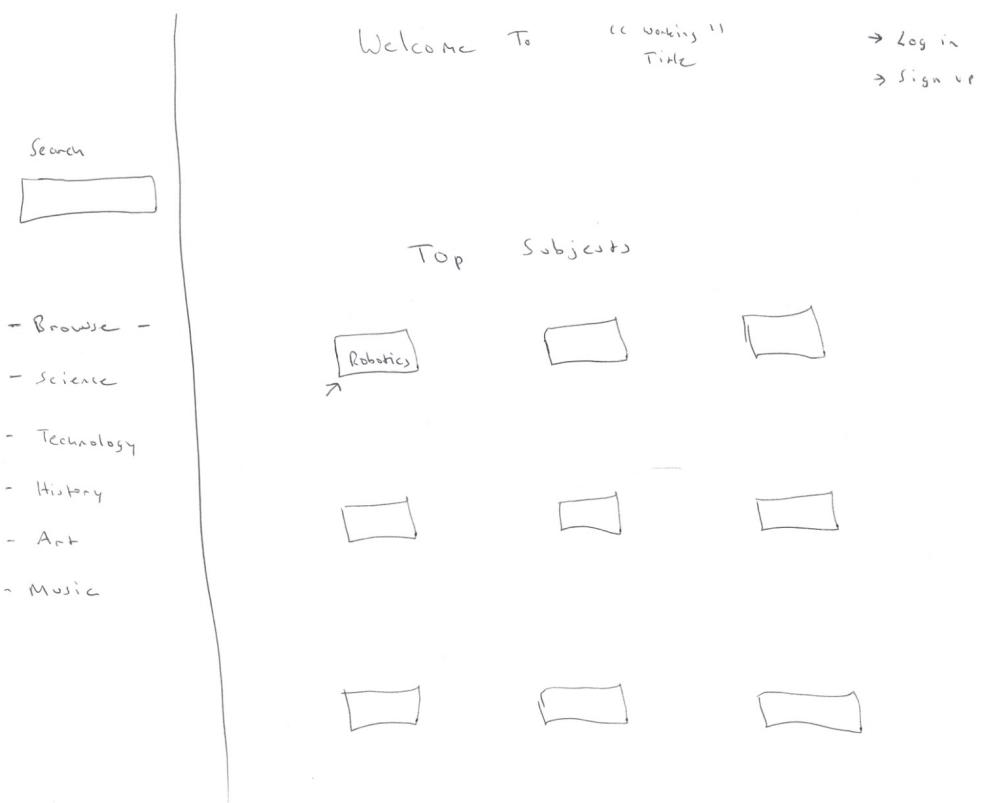
Q3

A  
B  
C  
D

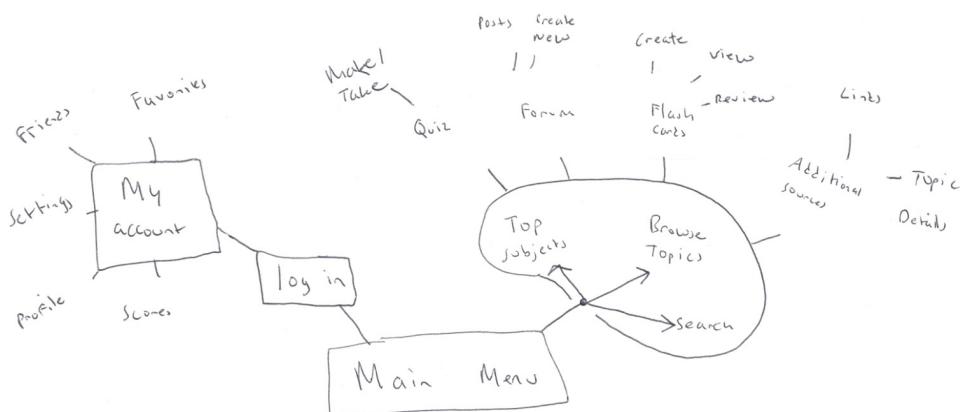
Quiz

My Account

- Quiz
- Forum
- Flash Cards
- Scores



### Transition Overview

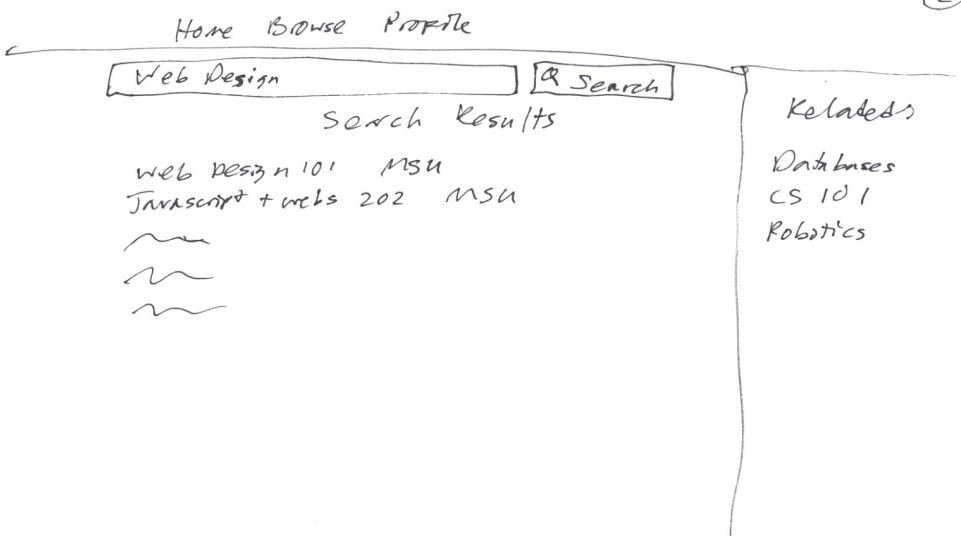


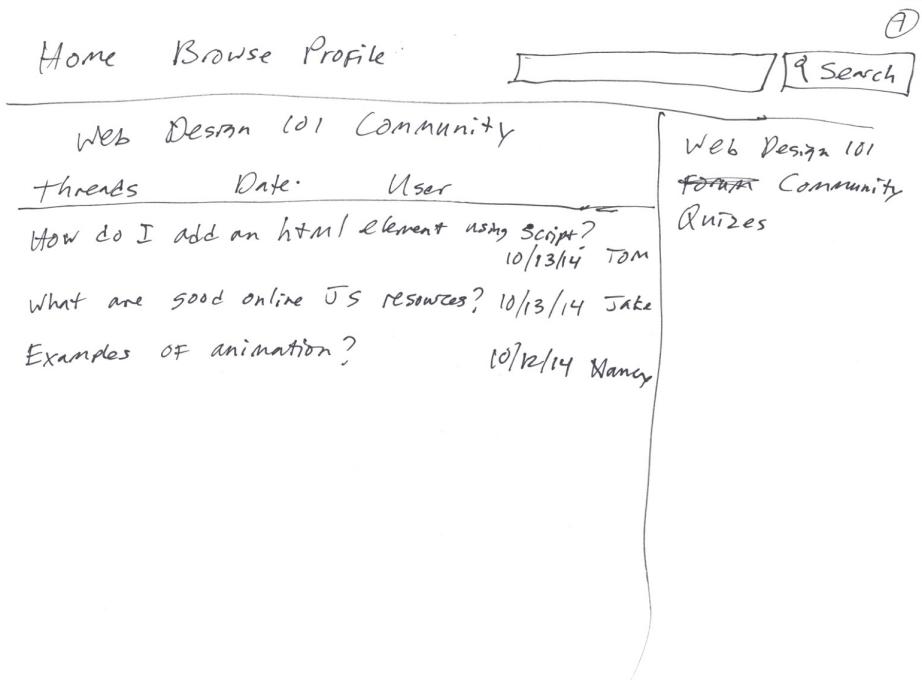
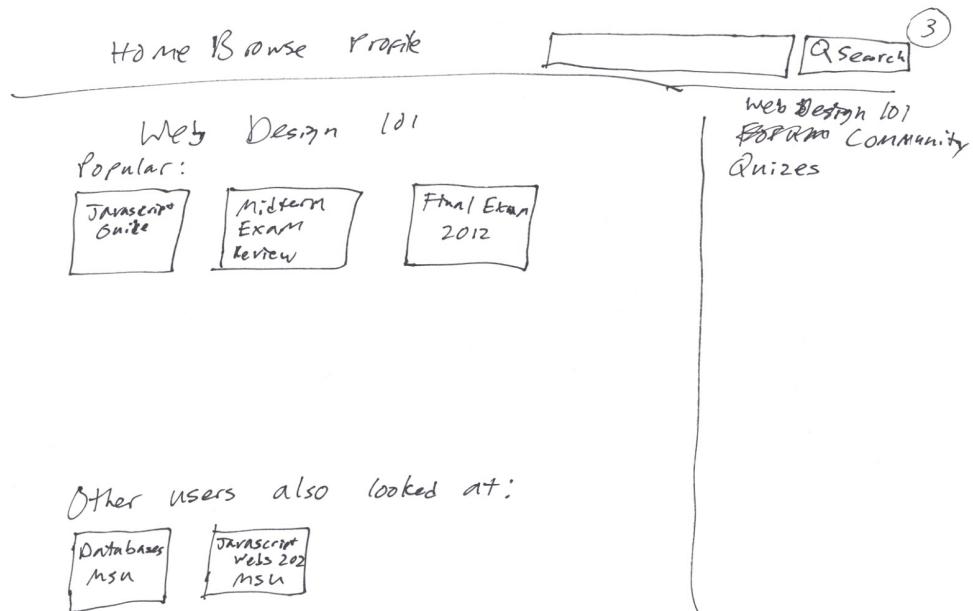
(1)

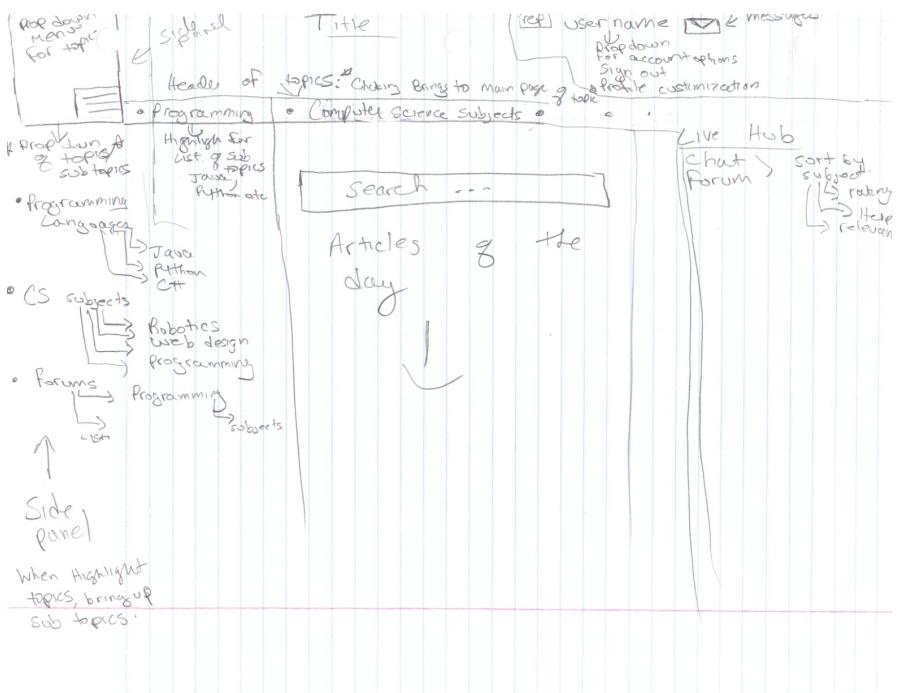
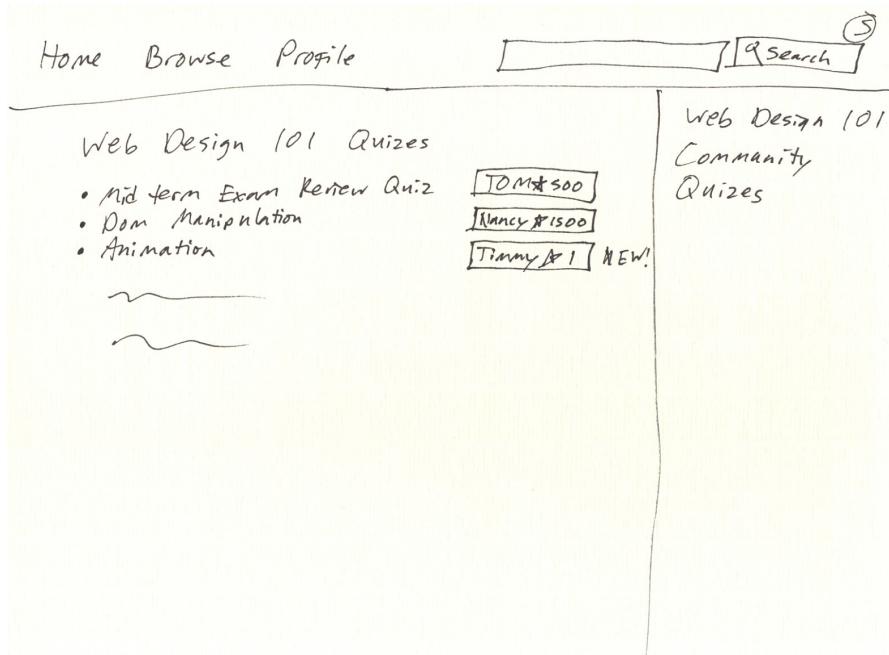
## Deep Learning



(2)

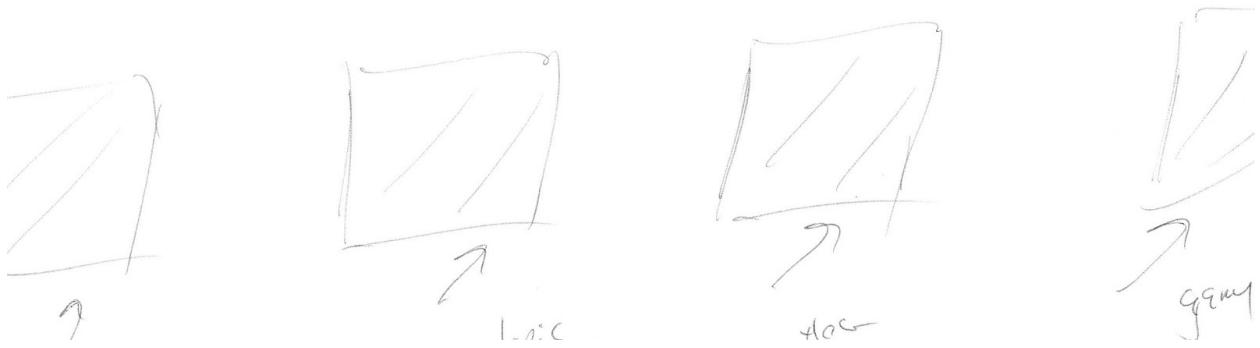
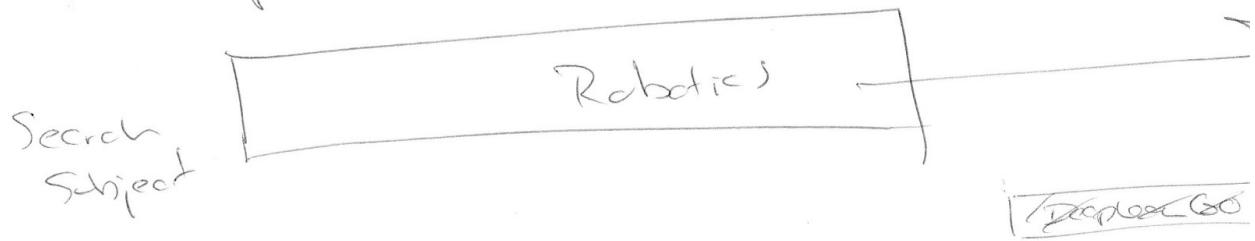






Sera y de

# Deep Learn



Result 1 - search result for  
soccer

Result 2 - soccer result for

Result 3 - soccer result for



1st 10 quizzes

Link will relate quest

Result - Details her short  
Result - Details her

Form

