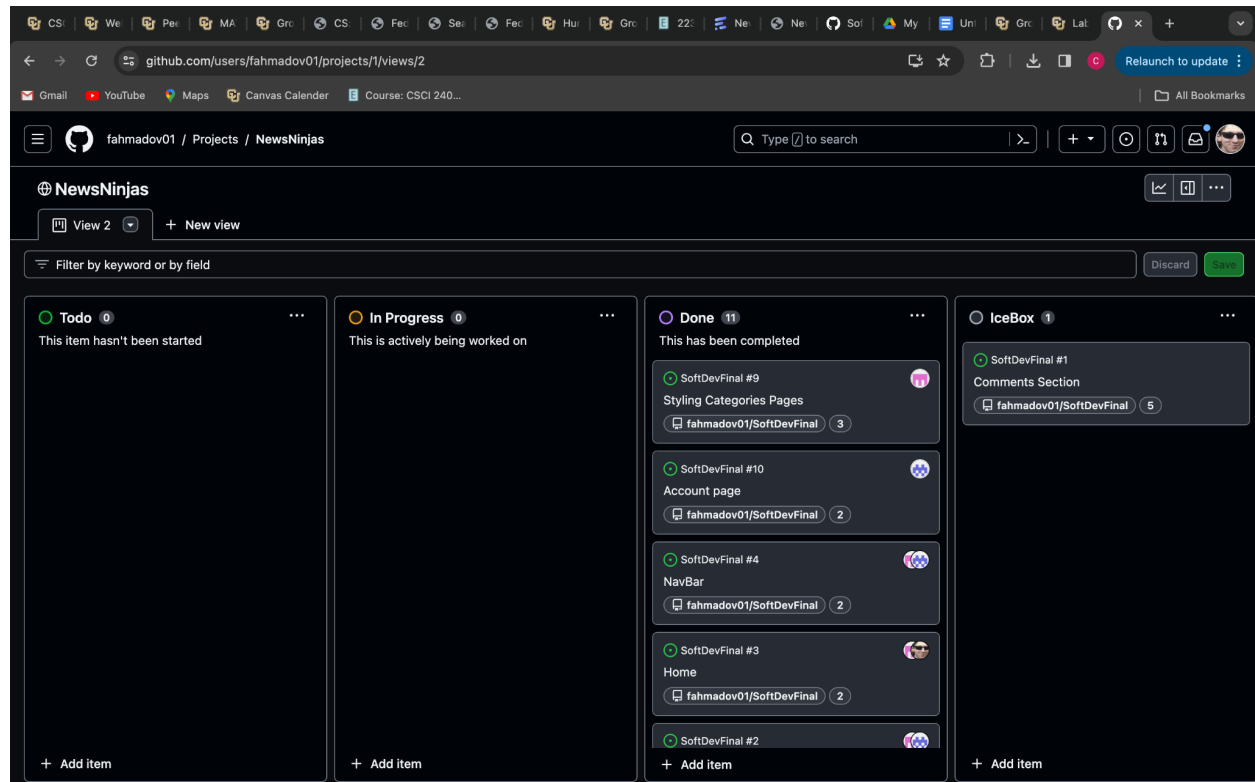


NewsNinja

By: Christian Ortiz, Zach Conroy, Farid Ahmadov, Jeremy Varghese

Project Description: The project was like a marathon, the methodology we used (agile) was very helpful for the project. We started with planning the basic ideas of what we wanted to do with the project and then all came to a common consensus about how the project should look. Afterwards, we started coding the basic components like the register and login page. Once we had those features set we implemented the login and register APIs from previous labs. We did run into merging troubles, but as the project progressed we got more comfortable with merging. Once we had the login and register page working we started working on getting the news API. We struggled a bit getting the news API to work properly with our code but once we got it working it was pretty easy to use. Then we talked again about how we wanted the site to look, if we wanted to add any other details. After talking and splitting up the jobs we got working on our individual stories again. We did run into a couple of hiccups like the home page carousel page not working properly, category tables not being correct size, but the hardest one was making the favorite articles work properly. In the end we went to office hours and got help which let us finish our project in time.

Project Tracker: <https://github.com/users/fahmadov01/projects/1>



Video: [Video](#)

VCS: <https://github.com/fahmadov01/SoftDevFinal>

Contributions:

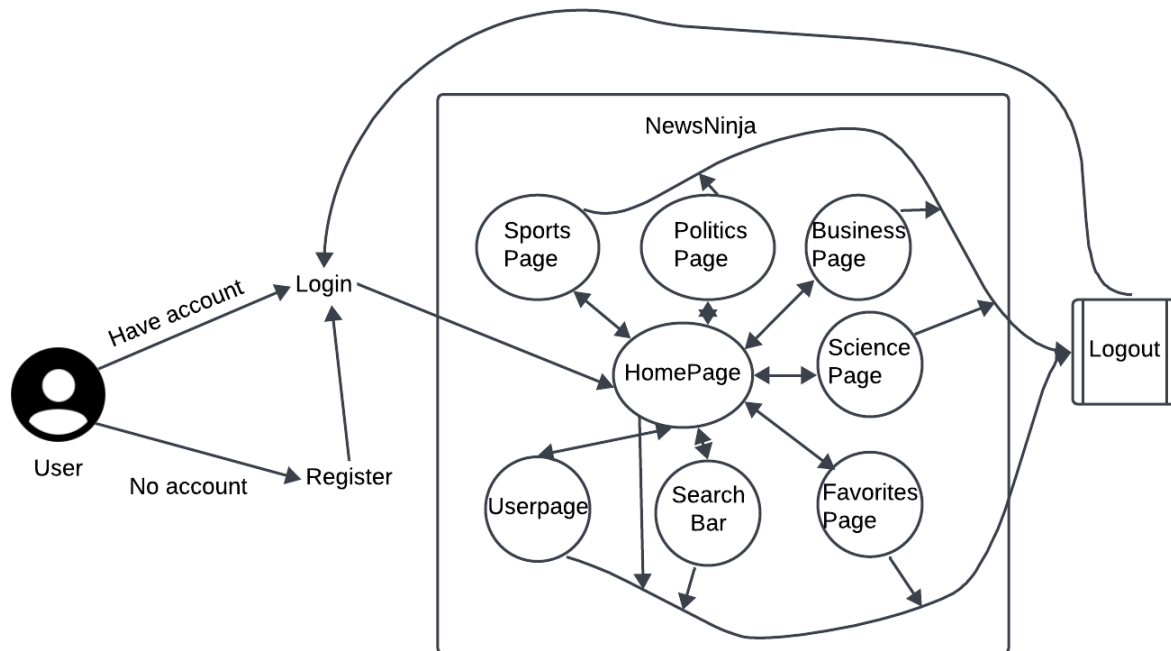
Christian: For the project I did both some backend and frontend. I worked on creating the register page. I used html and css to style it. I also created one of the database tables using SQL. Then I helped set up the newsAPI to work with our code properly so we could actually pull the information from the API. Afterwards I worked on the homepage with js, html, css and made sure the carousel was displayed correctly. That also included working on the homepages API/route to make sure the carousel was presenting today's top news. I helped out a little bit with the test cases.

Zach: I took charge of creating pages for displaying news articles by category. I also created a search bar, powered by javascript, where the user could enter a keyword and news articles containing that keyword would be dynamically displayed to the user. I created the login page as well to add security to the website and make every user experience personal as they could then use that login information to save articles. I used HTML and css for all the pages I created and used javascript to add functionality to the web pages. In addition to this I also collaborated with my group mates to implement the external news API into our website. I also did a bit of work to add error messages to a couple of the pages so the user would be updated on why a specific event wasn't working for them.

Jeremy: During the project I worked mainly in the backend, creating routes to call from our API to our category and home pages and making sure articles were displayed on all the pages accurately. I also created the routes for the login and register pages. I also created the navbar and worked with our teams to create the logo for the project. Additionally, I created profile pages that display the user's username and also take the user to their favorite articles. The GitHub project board is linked above which also shows what we did through the user stories.

Farid: My contribution to the project mostly had to do with backend development, specifically working with the API. I found the API that we used for this project and set up the code to call on it. I also worked on making the favorite article feature, where the user can press the icon to add it to their list of articles they've liked. There were also a few minor things that I did, mostly aesthetic stuff, but the API and the favorite articles page were my two main contributions.

Use Case Diagram:



Test Results: We created and implemented 4 test cases throughout the project to test our register and login page. The first cases tested if when a user interacted with the register page it would store their username and password in our database so that they would be able to log in. Next, we created another registration test case to check that no user would be able to have the same username. We understood that users could try to use the same username so this test case checked our database to see if we had a user with that username already stored in the database.

Additionally, we wanted to be able to test our login routes so we created test cases one with an invalid username and a valid username. Both of these scenarios are very common to have on a website making sure that users are only able to log in to their website if they have a correct username and password. If not we will display a message to the user stating that their username or password is incorrect. By using these tests we were able to ensure the functionality of our website and a seamless user experience.

Deployment: We had to app working on Azure for a little bit but shut it down since we didn't want to waste the hour we had on it. We will use localhost and docker for deployment and that will be how you can access the website. When using a local host before docker compose up make sure to docker compose down -v before you start.