CEN 4010 Fall 2021 Milestone Beta Launch and Reviews

Enliven

Group 21

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November 15, 2021

Revision History:

Date	Revision Version	Comments
10/25/21	V1.0	Users can now add a bio. Posts are loaded in user's profiles. Posts now have an associated user and user email. Updated home page for better UI. Added update profile options, add signed up user to collection.
10/31/21	V1.1	Added image upload functionality. Cleaned up code. Fixed minor bugs and issues.

11/13/21	V1.2	Installed semantic UI dependency. Added search bar for news API. Finalized uploading images.
11/14/21	V1.3	Added news search functionality. Added styling for the news page. Polished code and fixed small issues.

1. **Product Summary:**

It's been more than a year since the COVID-19 pandemic began. Since then, governments around the world have issues lockdowns, quarantines, and for the safety of all, connecting with others has become much more difficult. Although social media today still helps in keeping touch with others, many social media platforms have their own way of doing things, or some are only meant for texting/sending pictures instead of spreading good information.

To solve this problem, we are introducing a new platform where users can share anything they'd like, whether it be a link to an article on how to keep up a good routine during a lockdown, or just about anything they'd like to share with other users who are having a difficult time during the pandemic. This platform's main target audience are users who would like to connect with others with the purpose of sharing good content to foster better at-home tasks, self-care, or simply to motivate others. Many social media platforms today are simply used for entertainment, whereas our platform encourages users to share helpful content to focus on the positives and how we can continue to foster positive perspectives during a difficult time in all our lives.

We call it Enliven, accessible through the web. With Enliven, you can sign up or log in if you've already made an account. From there, you're free to post content or share images with anyone else who has made an account on the platform. No followers like we find in many social media platforms nowadays, everyone can see your unique ideas! Feel free to express yourself here or share ways that you have coped with the pandemic. Next, you have your profile. There, you'll see the posts you've made and the images you've shared. You also have the option to log out or edit your biography. Next, we have a news page where you can search for news articles about any topic. Popular search terms such as "covid-19" or "covid vaccine" are some good places to start. You can follow the links to the full articles from their source. Aside from that, we have an About Us page where we describe ourselves and what our vision with Enliven is. In summary, with Enliven, you have the ability to:

- Login/Logout/Sign Up

- Make a post or share images
- View profile which shows posts you've made or images you've shared
- Edit profile biography, logout option
- News search bar which returns news articles based on the search term
- About Us page which describes the developer's goal behind Enliven

Visit us at: https://enliven-group21.github.io/enliven-project/

Usability Test Plan:

Test objective: The usability test plan will test the upload a post functionality. The goal of this test is to ensure that users can make a post. The users should be able to create a text post or a picture post. Their posts should display on the home screen with their username. Users should be able to upload any JPEG or PNG file.

Test plan: The first step is the setup. The user must go to the website and create an account. The user must start at the home page while logged in. The user should complete the following tasks: create a text post, create a picture post, and test if their newly created posts are visible on the home page. This platform's main target audience are users who would like to connect with others with the purpose of sharing good content to foster better at-home tasks, self-care, or simply to motivate others. Once the user has created a text post and a picture post and can see both posts on the home page, then the user has completed the test. URL of the website for testing: https://enliven-group21.github.io/enliven-project/

Questionnaire form:

Questions	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
It is easy to upload a text post					
It is easy to upload a picture post					
No errors occurred when creating a post					

QA Test Plan:
Test Objectives: The objective of this specific test is to test the usability of the upload image function on the enliven website. The objectives of this test include being able to sign in and selecting the image upload icon on the home page, selecting either a png or jpg file, the data for the upload properly storing in the data base, and the image showing both on the homepage of the website and the profile page of the appropriate use that uploaded the image. All of this

should be able to execute from the user selecting an image and choosing to upload the selected image.

Hardware and Software Setup: The hardware and Software setup for this objective should be relatively minimal and not difficult for the end user to be able to function. The user will need a functioning computer with internet connection for the hardware and as of software, the user will just need access to an internet browser. To be able to view the database, the creators of the website will have to have access to the database to make sure the required information properly stores in the database.

Features to be tested: The feature that is to be tested is the upload image function. The user should be able to without incident upload either a png image or jpg image and see their image on both the homepage of enliven and on their enliven profile page.

Test Case #1: The user is able to upload a jpg image to enliven using google chrome.

Test Case #1 Result: Using google chrome the user is able to upload a jpg image by logging onto enliven, selecting the image icon on the home page, and selecting their jpg image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.

Test Case #2: The user is able to upload a png image to enliven using google chrome.

Test Case #2 Result: Using google chrome the user is able to upload a png image by logging onto enliven, selecting the image icon on the home page, and selecting their png image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.

Test Case #3: The user is able to upload a jpg image to enliven using safari.

Test Case #3 Result: Using the safari browser, the user is able to upload a jpg image by logging onto enliven, selecting the image icon on the home page, and selecting their jpg image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.

QA Table:

Test #	Test Title	Test Description	Browser	Result
1	Upload JPG	The user is able to upload a jpg image by going to google chrome and logging onto enliven, selecting the image icon on the home page, and selecting their jpg image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.	Google Chrome	PASS

2	Upload JPG	The user is able to upload a jpg image by going to safari and logging onto enliven, selecting the image icon on the home page, and selecting their jpg image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.	Safari	PASS
3	Upload PNG	The user is able to upload a png image by going to google chrome and logging onto enliven, selecting the image icon on the home page, and selecting their png image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.	Google Chrome	PASS
4	Upload PNG	The user is able to upload a png image by going to safari and logging onto enliven, selecting the image icon on the home page, and selecting their png image. The user is then able to see their post on the enliven home page and is also able to see the image with the other images they have posted on their specific profile.	Safari	PASS

Code Review:

Self-check on best practices for security:

Major assets being protected:

- User's email address and password.
- User posts.
- User images.

Confirm Password encrypted in DB:

- Firebase handles all the encryption for everything stored. Google follows the best practices for security standards.

Confirm input data validation:

- On Signup, data being validated are passwords. If passwords do not match, the website shows a red alert informing the user they do not match. This is done by a simple comparison with Javascript.
  (if (passwordRef.current.value !== passwordConfirmRef.current.value))
- In news search, if the search term is null, empty, or is only spaces, an error is shown informing the user of an invalid search term
  (if (searchQuery.current.value === '' || searchQuery.current.value == null || !searchQuery.current.value.trim().length)).

Self-check: Adherence to original Non-functional specs:

- The app needs to run on the 2 latest versions of all major web browsers. - DONE
- Data storage on a database in the server - DONE
- User privacy should be protected, and privacy policies should be communicated to the user – ON TRACK
- Language of the app should be English - DONE
- Intuitive, easy to use site - DONE
- Attractive and with lots of information - DONE
- Registration and login for security - DONE
- Make the site easily searchable on major search engines – ON TRACK
- Performance of the app, the goal is to have minimal load time for posts. - DONE
- The app should be easily accessible to users and the registration and login process should be simple yet secure. - DONE
- Password requirements should ensure that the users use a strong password. – DONE

YouTube demo video link: https://youtu.be/2-Q1q5laAWw