Sprint 4 Retrospective

Links

- Deployed App: https://nxtfolio-fall-24-ff06e002a0ca.herokuapp.com/
- GitHub: https://github.com/omarkhater-school/NXTFolio
- Slack: https://csce606-nxtfoliogroup.slack.com/
- Tracker: https://tree.taiga.io/project/honraoyash-fashionxt-nxtfolio/

Sprint Duration

Start Date: Nov 11th 2024

End Date: Nov 22nd 2024

Team Members' Contributions

- **Likhith Majjigapu (Scrum Master)**: Conducted weekly stand-up meetings(3 times a week). Worked on API integrations feature where we integrated APIs of LinkedIn, Meta and Behance to extract user profile information to generate better user profile by using openAI API. Worked on Improve sign-up page and added email verification before user registers in the website.
- **Brandon Hill (Developer):** Improved mobile UI experience by ensuring all pages use bootstrap or appropriate css elements allowing each page to adjust to various resolution sizes. Improved the UI and file structure of multiple admin views.
- **Caroline Li (Developer):** Improved mobile UI experience, allowing each page to adjust to various resolution sizes. Improve the UI for search pages, sign-in and sign-up pages. Improved header for mobile interface.
- **Manikanta Gudipudi (Developer):** Improved code climate maintainability from D to B and code climate test coverage from B to A. Worked on API integrations feature where we integrated APIs of LinkedIn, Meta and Behance to extract user profile information to generate better user profile by using openAI API.
- **Yash Honrao (Developer):** Worked on improving the sign-up feature and wrote tests for the feature following TDD practices. Worked on improving overall test code coverage by writing all the 77 rspec tests, bringing test coverage to 91%. Worked on completing the Instagram integration feature by solving the issues related to the API and redirects. Revised the Team Working Agreement.
- **Omar Khater (Developer):** Worked on refactoring code for better maintainability including refactoring of generalInfoController and Admin creation test cases. Handled bill galleries gracefully. Worked on Improving Sign-up user experience feature.

- **Venkat Pitta (Product Owner):** Communicated with the client and scheduled meetings to discuss sprint plans, documenting the meeting minutes and reviewed the pull requests.

Member	Contribution (by story point)
Likhith Majjigapu	2
Brandon Hill	2
Caroline Li	2
Manikanta Gudipudi	2.5
Yash Honrao	3
Omar Khater	1.5
Venkat Pitta	N/A (Product Owner)

Iteration	Likhith	Brandon	Caroline	Manikanta	Yash	Omar	Venkat	Team	Assigned
1	1	1	1	1	1	1	1	7	7
2	1.5	0	0	1.5	0	0	0	3	14
3	1.5	2.5	2.5	0.5	2	3	2	14	4
4	2	2	2	2.5	3	1.5	0	13	15
Total	**6**	**5.5**	**5.5**	**5.5**	**6**	**5.5**	**3**	**37**	**40**

*Hence, Assigned points in sprint-3 is only 4 (corresponding to new story pulled) because there were 3 user stories which were incomplete and were pulled to sprint-3 for completion. But our team achieved 14 points due to completion of backlogs and gaining previous sprints' points.

Sprint Goal

The main focus of this sprint was to improve the mobile user interface, improve the sign up process with email authentication and improve Ai profile building feature by extracting user profile details from other websites like LinkedIn, personal blogs, etc..

We have enhanced the mobile interface to make the app easier to use and more responsive, especially since users have requested a better experience on mobile devices. We have improved User bio generated by AI by extracting more personal information of the user (but could not extract professional information) from various other sites like LinkedIn and improved the prompt given to AI. In addition, we have also refactor parts of the legacy code to improve performance, readability, and maintainability, making it run more efficiently and easier to understand. We have reduced the number of code smells and lowered overall code complexity, leading to a higher score on the code climate and ensuring that the code is in line with best practices for long-term sustainability.

Sprint Achievements

Feature 1: Improve Mobile Interface
Points: 4
As a user
So that I can make the app more accessible
I want to make the mobile interface more attractive. Scenario: Update Mobile Interface Design
Given I am accessing the app on a mobile device
When I am on the main page of the app on a mobile device
And I should see a cleaner, more responsive layout
And I will see larger buttons for easier navigation
And I will see improved visual elements, such as icons and fonts
Then I should be able to navigate the app more easily on my mobile device

Feature 2: Improve User Bio by integrating and extracting info from other websites
Points: 4
As the CEO of FashioNXT
So that I can Improve my user portfolio
I want ask user to authenticate our access to user's other platform's accounts
So that we can extract personal and professional information about user from those profiles
And generate a better user profile by providing that data to AI

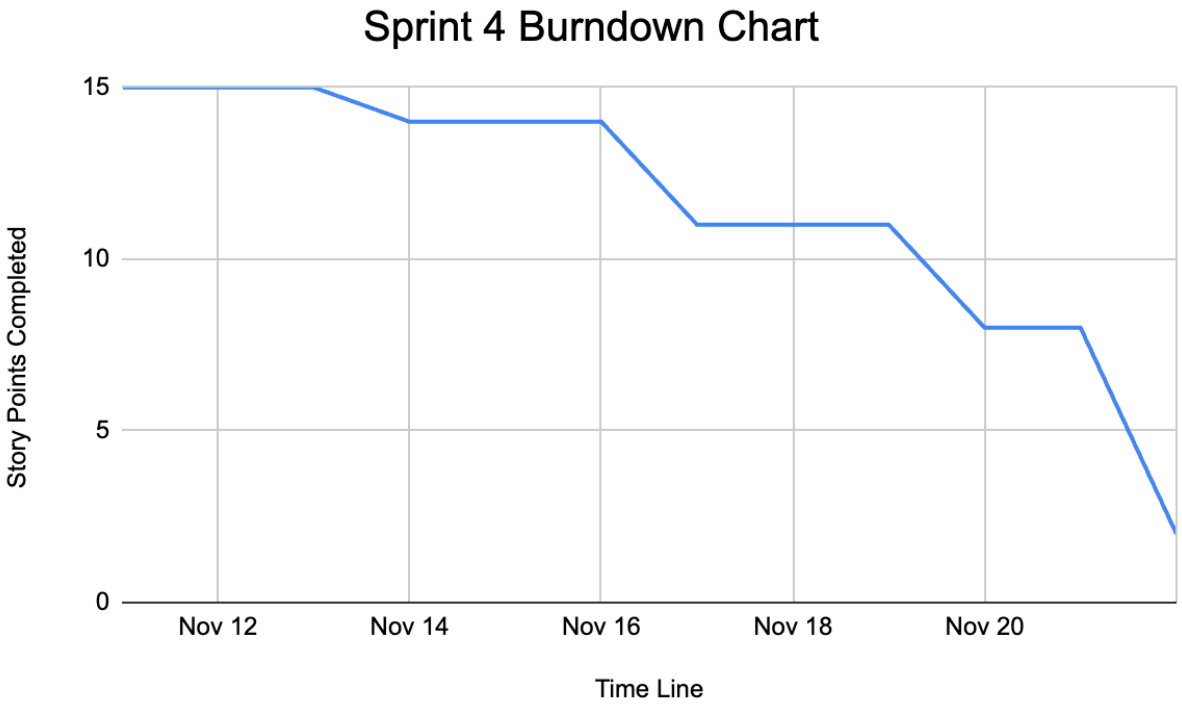
Feature 3: Improve Sign-up with email authentication, message pop-ups and better UI
Points: 4
As a new user
So that I can verify myself on the new sign-up page
I want to have email verification when I try to create my new account

Feature 4: Improving Code Climate and Test Coverage
Points: 3
As a developer
I want to reduce the number of code smells
To improve performance, readability and maintainability of the code
And I want to add more test cases
To make sure that code is bug free

Sprint Backlogs and Status

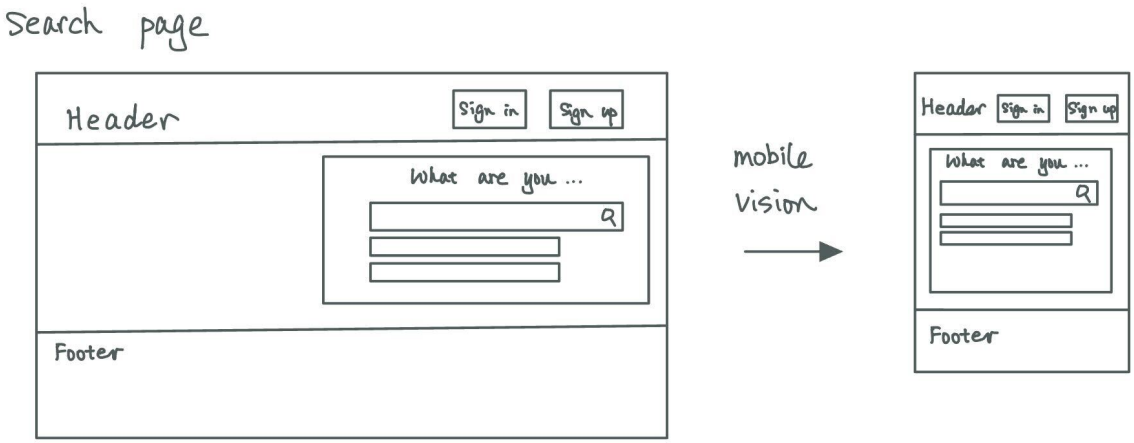
Shelved user stories: Improve user bio by integration of other websites.
We have integrated our app with LinkedIn, Facebook, Instagram and Behance by using their respective APIs. But, we are only able to extract personal information and are unable to retrieve professional information such as their projects, skill-sets or instagram posts. To retrieve them we must prove that we work for a legitimate business establishment and we have to provide details such as TaxID, company's legal terms and conditions, privacy policies, etc. The client could not provide all the details and hence LinkedIn, Meta and Adobe could not verify our business identity. So the client has decided to shelve the feature and decided to proceed with the current status of the app where we can retrieve only personal information and information provided by user during registration to improve the users' profiles accordingly using openAI.

Burndown Chart

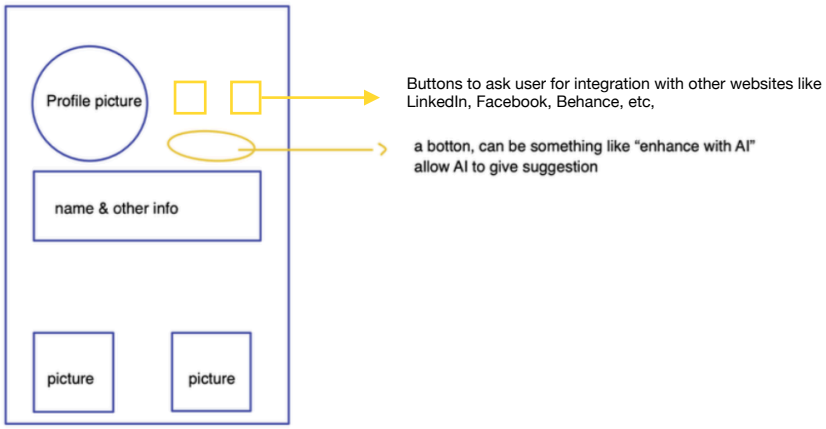


Design Diagrams

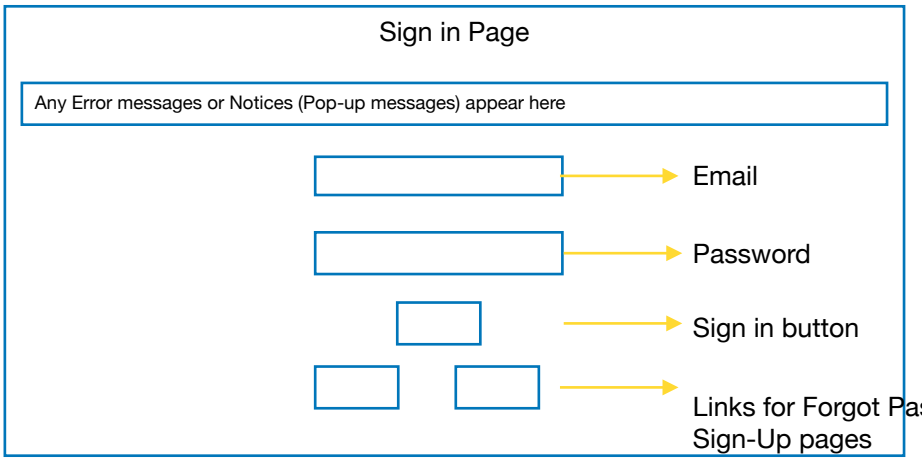
Feature 1: Improve Mobile Interface

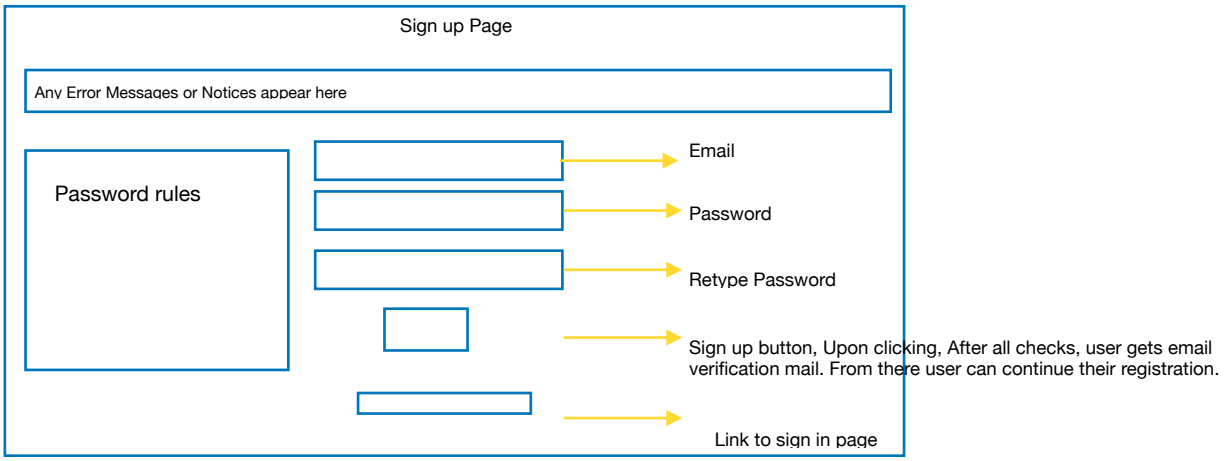


Feature 2 - Improve user bio by integrating and extracting info from other websites



Feature 3: Improve Sign-Up





Documentation of Changes

The mobile interface has been improved. Headers and footer for mobile UI are fixed. The website has been made responsive. Sign-up and Sign-in pages were separated and handled accordingly. New password rules for sign-up were added. Extra step of email verification before proceeding to register on the website was added. “Generate About Me” button now takes only personal information from user’s other website’s profiles and information given by users during registration to generate a better user bio. Other refactoring and organization changes to code were made as needed.

Code and Test Quality

Code coverage: 90.9%
Code climate grade: B [33 Smells] [5 Duplications]
Code climate report: https://codeclimate.com/github/omarkhater-school/NXTFolio

Customer Meetings

Sprint Meeting

- Date: Nov 12, 2024, 6PM-7PM
- Location: (Zoom)
- Summary: Discussed plans for the current sprint and brought up concerns. Explained the necessity of refactoring, and displayed diagrams and documents for the current sprint.

MVP Meeting

- Date: Nov 19, 2024, 6PM-7PM
- Location: (Zoom)
- Summary: Showcased demo of the current application. Discussed Current sprint features and progress. Also discussed future plans and concerns regarding the state of the app and how much progress needs to be done to release the app to public.

BDD & TDD

All of the new and in-progress code was written using BDD and TDD principles. All new features from this sprint are covered by rspec and cucumber tests.