

Sprint 1 Plan

CSCE 600: Software Engineering

September 2024

1 Team Role

Sprint Master	- Yash Honrao
Product Manager	- Omar Khater
Developers	- Caroline Li, Manikanta Gudipudi, Brandon Hill, Likhith Majjigapu, Venkat Pitta

2 Customer meeting date/time/place

Tuesday, 24 September 2024, 6-7 PM over Zoom Meetings

Summary- Kicked off the project by getting an overview of the project and its status until now, discussing why we team members were interested in this project. Got access to the google account and github.

3 Links

Deployed App:	https://nxtfolio.herokuapp.com/
Github:	https://github.com/FashioNXT/NXTFolio
Slack:	csce606-nxtfoliogroup.slack.com

Summary

It has been challenging for people in creative fields to promote themselves, find a job, or hire talents on mainstream media platforms such as LinkedIn, Indeed, Behance and Instagram. These popular sites do not provide much opportunity to stand out or find creatives that match one's needs. General job portals like LinkedIn and Indeed focus on text and offer little room for visuals, which are essential for creatives to showcase their work. Additionally, there is no single platform that can connect all creatives in one place, including designers, suppliers, or manufacturers. While Instagram is great for visuals, portfolios are not structured there, and it's not an effective site for searching

for a specific freelancer. Although Upwork allows you to manage contracts, the visual presentation is lacking.

To address this problem, NXTFolio is a niche platform for creative professionals to share their work and connect with others in the industry. NXTFolio simplifies the process of starting a project by bringing together designers, clients, and other professionals in one place. With features such as portfolio organization and advanced search capabilities, creatives can easily showcase their work, and clients can find talent more effectively. Additionally, NXTFolio will integrate contract features, making the hiring process smooth and straightforward for both parties. The stakeholders are FashionNxt as investors/people interested in the outcome of the project. People who work in creative field: those who interact with the product(designers and employers)

4 User Stories

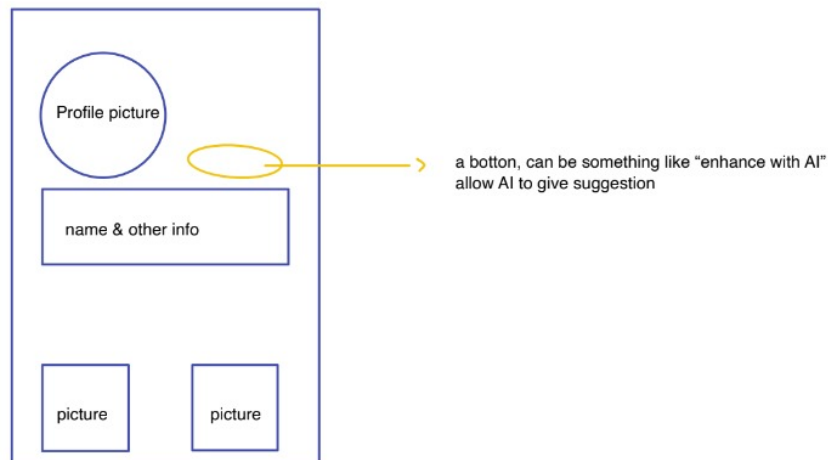
Feature: AI-Powered User Bio Improvement

As a fashion designer

So that I can Improve user portfolio

I want AI suggestions on how to refactor my bio

User story1: Improve user bio by AI

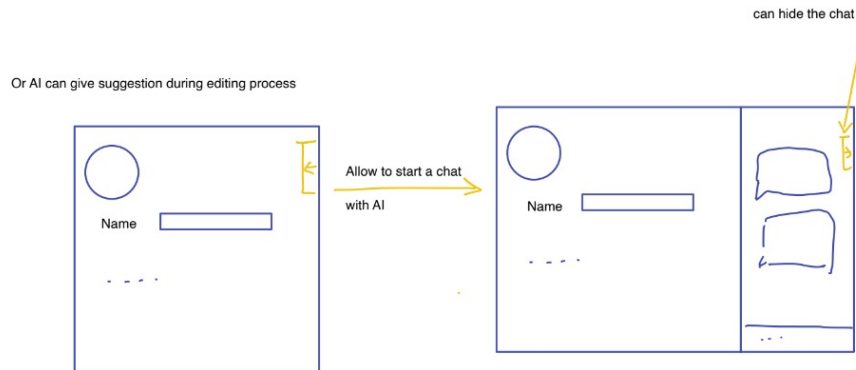


Feature: AI-Enhanced Profile Picture Selection

As a fashion designer

So that I can Improve my portfolio

I want to rate the pictures and show the best ones on top of my user profile



Feature: Friend suggestions

As a fashion designer

So that I can connect to people with similar taste

I want to decompose the profile to attributes, which can be used to match with others

Feature: AI-Driven Originality Check

As a fashion designer

So that I can determine the originality of the user designs

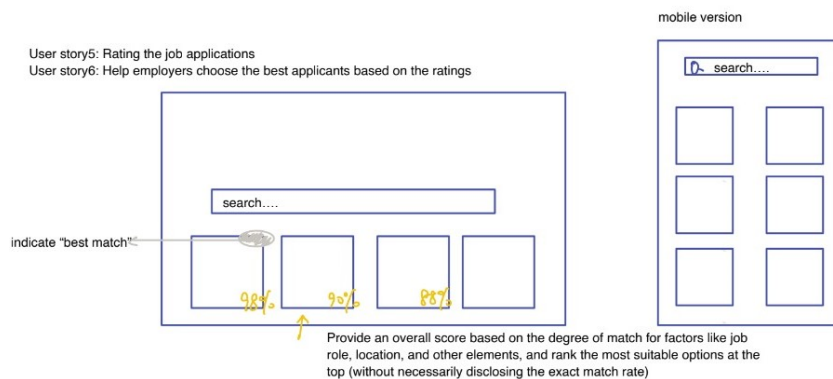
I want to have an AI-generator image checker

Feature: Job Application Rating System

As an employer

So that I can improve the hiring process

I want to rate the job applications based on their profession/location/etc



Feature: Help employers choose the best applicants based on the ratings

As an employer

So that I can improve the hiring process

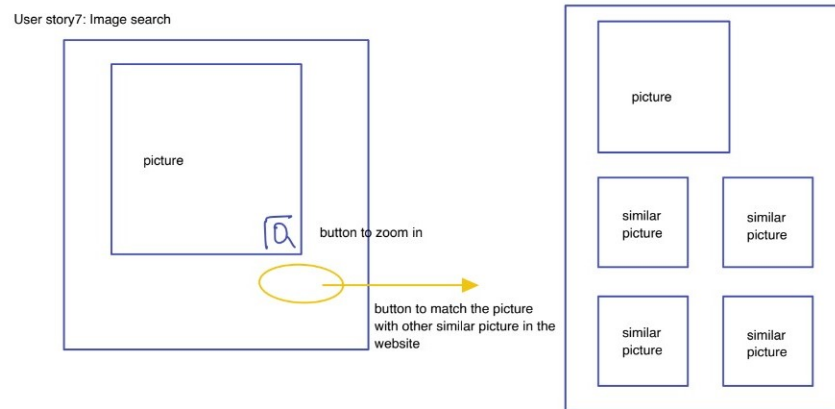
I want suggestions with the best match(eg. the highest rate) freelancers.

Feature: Enhanced Image Search

As an employer

So that I can improve the matchmaking process

I want the hiring party to be able to search for talents that can do some tasks by the images they have posted.



Feature: Mobile Interface

As a user

So that I can make the website more accessible

I want to make the mobile interface more dynamic to fit any screen size.

Feature: City Selector

As a user

So that I don't have to ensure a city is spelled correctly every time

I want to search for a city and select the corresponding city from a list to ensure that the city is spelled correctly without the need for manual entry.

Feature: Improve the Website User Interface

As a user

So that I have a better user experience while using the website

I want such a user interface that looks tidy and is well-organized.

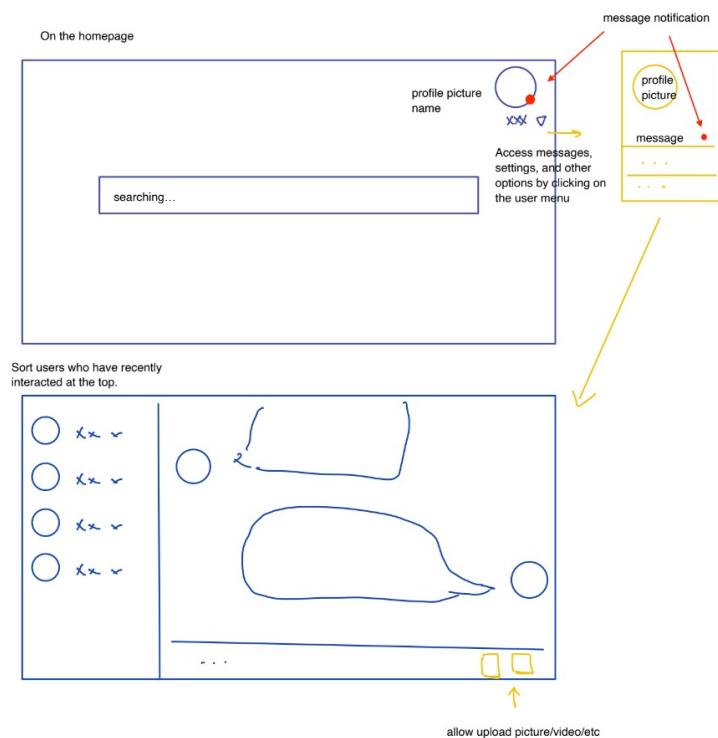
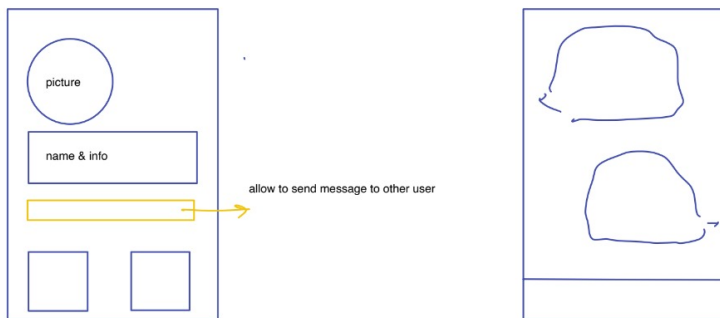
Feature: Improve the Chat Feature

As a user

So that I can seamlessly connect on chat with other users

I want an efficient chat facility that works smoothly and maintains chat history as well as pops notifications

User story 11: Add a Chat Feature



Feature: Improve the Sign-up page

As a new user

So that I can very easily create my new account

I want to easily sign up as a new user with a very easy to interact UI

Feature: Implement Email Verification of Sign-up

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: Improve the Login page User Interface

As a user

So that I can login to my account

I want a very easy to interact and appealing UI

5 Sprint Backlog

Sprint Goal

- Duplicate the development environment for the current deployed app.
- Ensure that the code is bug-free.
- Identify refactoring needs.
- Watch the video from the previous team and read the code.
- Set up a meeting with the customer afterward.

Stories Pulled into the Sprint

- None, as we should first get familiar with the existing documentation.

Story Assignments

- None. Everyone should work on reading the documentation.

6 Legacy Project Report

Initial Ramp-up

Project Understanding

We first met with the client to understand our project goals, the purpose of the app, and the desired improvements. Then, we reviewed the documentation and

presentation video. We looked into the code to gain an overall understanding and assessed the format of the code to refactor it as needed for improved readability. Additionally, we aimed to reduce code complexity where possible while adhering to the DRY (Don't Repeat Yourself) principle.

Identifying Key Components

- **High-priority modules:** Focus first on the most critical parts of the system (e.g., core features, modules that frequently change, or areas with known bugs).
- **Code dependencies:** Understand key dependencies within the code and any external libraries or services.
- **Version control history:** Examine commit messages and past pull requests to understand recent changes and problem areas.

Testing and Debugging

We plan to assess the current automated testing suites to ensure the tests are correctly validating the code and not just increasing coverage. This includes:

- **Automated testing coverage:** Assess current test coverage and identify key areas where more tests are needed.
- **Functional testing the application:**
 - **Manual Test Cases:** Execute test cases based on real-world usage scenarios, going through workflows (e.g., logging in, submitting forms, examining search results) to ensure the application functions as expected.
 - **Automated Tests:** Perform functional tests by sending HTTP requests to the running API and validating the responses. Use an automated testing framework that interacts with the running app. Tools like Cypress or Selenium/WebDriver can simulate user behavior by interacting with the app's interface or API.
- **Bug tracking review:** Review bug tracking tickets and user complaints to understand problematic code areas.
- **Log review:** Analyze application logs for recurring errors or warnings.
- We also test the features implemented previously in the app.

Refactoring and Improvements

We identify incomplete and faulty features, planning to discuss these points with the client for implementation or refinement. Key practices include:

- **Refactor with caution:** Plan targeted refactoring efforts in well-understood areas without changing functionality.
- **Small, incremental changes:** Break refactoring into small tasks to reduce risk.
- **Technical debt assessment:** Identify areas where technical debt needs addressing and schedule it into future sprints.

Knowledge Sharing and Team Collaboration

- **Pair programming:** Encourage team members to pair on complex areas of the code to facilitate knowledge transfer.
- **Internal documentation:** Plan to document any newly understood or refactored areas of the code, including decisions made.

Sprint 1 Scope

Specify specific user stories to work on in the first sprint and assign each team member.