Application: Artibitify / Palette / Galleria / idk

Team Number: 011-005; **Team Name:** Gallery5

Team Members

Name	GitHub	Email
Khizar Pasha	KhizarPa	khpa8186@colorado.edu
Austin McCutcheon	austinmcc1908	aumc5796@colorado.edu
Amy Bowers	amyjbowers	ambo5119@colorado.edu
Ethan Epperson	eth4n-e	etep9497@colorado.edu
Nathaniel Covington	nate-covs	naco2555@colorado.edu
Catherine Xie		catherine.xie@colorado.edu

Vision Statement: A site where artists are immersed in their communities, can share and interact with the local arts and artists.

Application Description:
Short: We're developing an art gallery website where users may log in, customize their profiles, and browse available artwork. Users will have the ability to click on individual artworks to view detailed descriptions, titles, and any supplementary information. Additionally, users may choose to search for events to include local art shows.

Long:
Our team project revolves around creating an art gallery website, akin to Pinterest but with a focus on art pieces and collections. Users will have the ability to register accounts and subsequently log in, unlocking a plethora of features tailored to both artists and art enthusiasts alike.
Key functionalities include:

- Browsing Art: Users can explore a diverse array of artworks and delve deeper into each piece with comprehensive descriptions.
- Event Discovery: Find art-related events with ease. Users can even search for events in their vicinity.
- Following Collections and Artists: Stay updated on favorite collections or artists by following them.
- Personal Collections: Users can curate their own collections of art, tailoring their browsing experience to their preferences.
- Profile Customization: Personalize user profiles to reflect individual tastes and interests.

To achieve this, we'll develop several pages using Handlebars, dynamically populating them with user data and information using JavaScript. User data, including usernames and passwords, will be stored using SQL databases, ensuring security and accessibility. Furthermore, we'll integrate various APIs, such as Ticketmaster for event information and art gallery APIs for accessing artworks, including images and descriptions, enriching the user experience.

Ultimately, our project aims to cater to both artists and art enthusiasts, offering a platform where they can explore, engage, and appreciate art in its myriad forms.

Version Control: https://github.com/eth4n-e/csci3308-Gallery5
- **Clone: git@github.com:eth4n-e/csci3308-Gallery5.git**

Development Methodology:
    Agile, see following page.

Communication Plan:
        Persistent Communication: Discord
        In person meetings: Monday   @1:00 pm
                                   Saturday   @11:00 am

Meeting Plan:
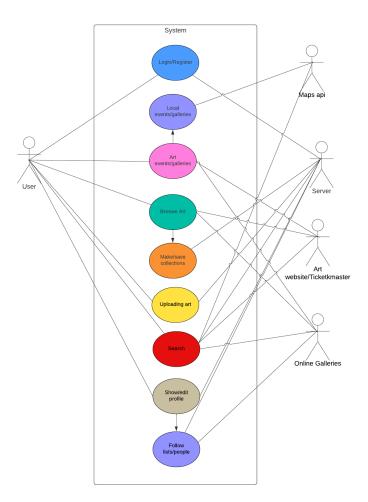   TA Meeting: with Varsha Natarajan over Zoom: https://cuboulder.zoom.us/my/varsha.natarajan

APIs:
- https://api.artic.edu/docs/#introduction
- https://developer.ticketmaster.com/products-and-docs/
- https://developers.google.com/maps/apis-by-platform
- Artsy APIs
- Pinterest Developers
- Event - Graph API Reference (facebook.com)
- https://metmuseum.github.io/
- Figure out how we interact with APIs in first week

Agile Schedule:

Week 1: <u>Project Setup and Planning</u>

Monday (Week 1):
Sprint Planning Meeting:

- ☐ Discuss project goals, features, and user stories.
- ☑ ~~Define initial tasks and assign responsibilities.~~
- ☐ Set Up Development Environment:
- ☐ Install necessary tools (e.g., IDE, version control).
- ☐ Create project structure and repositories.

Saturday (Week 1):
Initial Development:

- ☐ Start developing basic functionalities: user registration, login, and browsing art.
- ☐ Set up database schema for user data storage.

Week 2: <u>Core Features Development</u>

Monday (Week 2):
Review Progress and Adjust:

- ☐ Check the progress of the initial development.
- ☐ Adjust tasks and priorities as necessary.
- ☐ Continue Development:
- ☐ Implement event discovery functionality using the Ticketmaster API.
- ☐ Work on following collections and artists.

Saturday (Week 2):
Feature Integration:

- ☐ Integrate developed features into the main application.
- ☐ Test functionalities and ensure seamless user experience.

Week 3: <u>Refinement and Testing</u>

Monday (Week 3):
Review and Feedback Session:

- ☐ Gather feedback from the team on the integrated features.
- ☐ Discuss any necessary adjustments or improvements.

Saturday (Week 3):
Refinement and Testing:

- ☐ Address feedback and make necessary refinements. Conduct thorough testing to identify and fix any bugs or issues.

Week 4: <u>Additional Features and Enhancement</u>

Monday (Week 4):
Feature Addition:

- ☐ Implement personal collections functionality.
- ☐ Work on profile customization features.

Saturday (Week 4):
Integration and Testing:

- ☐ Integrate newly developed features with existing ones.
- ☐ Conduct comprehensive testing to ensure all functionalities work together seamlessly.

Week 5: <u>Finalization and Deployment</u>
Monday (Week 5):
Final Review and QA:

- ☐ Conduct a final review of the entire application.
- ☐ Perform QA testing to catch any remaining issues.

Saturday (Week 5):
Deployment:

- ☐ Prepare the application for deployment to a production environment.
- ☐ Deploy the art gallery website.
- ☐ Celebrate the successful completion of the project!

Throughout the agile process, regular communication and collaboration among team members are crucial. Adjustments to the plan may be necessary based on feedback, progress, or unforeseen challenges encountered during development.

Case Diagram:

Notes: APIs and Scope for TA meeting
APIs (some don't give access to images) -> RapidAPI
Explore APIs for first meeting
Reviews, rating, filtering, sorting
Search function
Artwork downloadable or shareable
Project Demo: Full application with all features
Test case adding to document and push into solution
Wireframes: figma

Figma:

- https://www.figma.com/file/QBgACBJmyqy5YFnarhrDG2/Untitled?type=design&node-id=0%3A1&mode=dev&t=SUJXCtTDYlGPVcfJ-1

Directory & Pages:
```
|--<Project Repository> /
|    | TeamMeetingLogs
|    |-MilestoneSubmissions
|    |-Readme
|    |-ProjectSourceCode
        |--docker-compose.yaml
        |--.gitignore
        |--src
            |--node_modules
            |--package.json
            |--Views:
            ||--pages:
                | Home
                | Profile
                | Login
                | Personal Collection
                | Discover Local
                | Register
                | Events
            ||--partials:
                | header.hbs
                | footer.hbs
                | nav
            ||--resources
             | | css
                | style.css
             | | js
                | script.js
             | | img
                | background image
```