Application: Palette5

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

Team Members

Name	GitHub	Email
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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

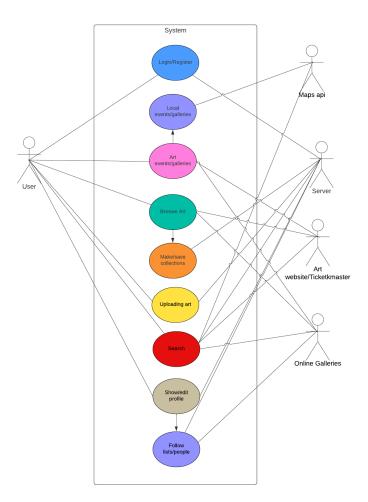
APIs:

- 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: Project Setup and Planning	Saturday (Week 3):	
Marcha (Mart 4)	Refinement and Testing:	
Monday (Week 1): Sprint Planning Meeting:	 Address feedback and make necessary refinements. Conduct thorough testing to identify and fix any bugs 	
Discuss project goals, features, and user stories.	or issues.	
Define initial tasks and assign responsibilities.		
Set Up Development Environment:	Week 4: Additional Features and Enhancement	
Install necessary tools (e.g., IDE, version control).		
Create project structure and repositories.	Monday (Week 4):	
Create project structure and repositories.	Feature Addition:	
Saturday (Week 1):	Implement personal collections functionality.	
Initial Development:	Work on profile customization features.	
☐ Start developing basic functionalities: user	Saturday (Week 4):	
registration, login, and browsing art.	Integration and Testing:	
Set up database schema for user data storage.	Integrate newly developed features with existing ones.	
Week 2: Core Features Development	Conduct comprehensive testing to ensure all	
	functionalities work together seamlessly.	
Monday (Week 2):		
Review Progress and Adjust:	Week 5: Finalization and Deployment	
Check the progress of the initial development.	Monday (Week 5):	
Adjust tasks and priorities as necessary.	Final Review and QA:	
Continue Development:	Conduct a final review of the entire application.	
Implement event discovery functionality using the Ticketmaster API.	Perform QA testing to catch any remaining issues.	
Work on following collections and artists.	Saturday (Week 5): Deployment:	
Saturday (Week 2): Feature Integration:	Prepare the application for deployment to a production environment.	
☐ Integrate developed features into the main	Deploy the art gallery website.	
application.	Celebrate the successful completion of the project!	
Test functionalities and ensure seamless user		
experience.	Throughout the agile process, regular	
Week 3: Refinement and Testing	communication and collaboration among	
Week o. <u>Remiement and resting</u>	team members are crucial. Adjustments to	
Monday (Week 3):	the plan may be necessary based on	
Review and Feedback Session:	feedback, progress, or unforeseen	
Gather feedback from the team on the integrated features.	challenges encountered during development.	
☐ Discuss any necessary adjustments or improvements	S.	

Case Diagram:



https://lucid.app/lucidchart/ffb7e506-4585-4d5d-9927-e21eff7691c4/edit?viewport_loc=-133%2C_121%2C3316%2C1533%2C.Q4MUjXso07N&invitationId=inv_f01eb8ed-c36e-4c82-8c51-13ed4_52c5d99

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=SUJXCtTDYIGPVcfJ-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