Documentation

2023 FBLA State Leadership Conference
Mobile Application Development

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Wallace McCarthy
Dheeraj Vislawath

Documentation

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1. Software Documentation

1.1 Overview

Noodl is a versatile and intuitive software tool designed to streamline the process of building interactive applications and prototypes. Leveraging a visual, node-based interface, Noodl empowers users to create dynamic and engaging experiences without the need for extensive coding knowledge. From rapid prototyping to full-scale development, Noodl offers a seamless workflow that accelerates the creation of innovative digital solutions.

1.2 Key Features

Node-Based Interface: Noodl's intuitive visual interface allows users to construct applications by connecting pre-built nodes, representing various functionalities and components. This approach simplifies the development process and fosters creativity.

Modular Design: With Noodl, users can easily organize their projects into reusable modules, promoting efficiency and consistency across different parts of the application. This modular approach enhances collaboration and facilitates scalability.

Rich Component Library: Noodl offers a comprehensive library of customizable components, ranging from basic UI elements to complex interactive modules. Users can effortlessly integrate these components into their projects to enhance functionality and aesthetics.

Real-Time Preview: Noodl provides a real-time preview feature, allowing users to visualize their applications as they develop them. This instant feedback enables rapid iteration and refinement, leading to faster development cycles.

Cross-Platform Compatibility: Applications developed with Noodl are inherently cross-platform, ensuring seamless performance across various devices and operating systems. Whether targeting desktop, mobile, or web environments, Noodl empowers users to reach their audience effectively.

Integration Capabilities: Noodl seamlessly integrates with popular tools and platforms, facilitating collaboration and extending functionality. Whether integrating with data

sources, APIs, or third-party services, Noodl offers flexibility and versatility to meet diverse project requirements.

1.3 Login Screen

The login screen allows the user to either enter an email and password or to login via a browser application which include: Apple ID, Twitter, Facebook, and Google. For logging in with an email and password, if one or both of these fields are incorrect, the text box surrounding them will be highlighted red, allowing the user to identify if either their password is incorrect, their email is incorrect or both. Under the password textbox there is a button called "Create Account" which can be used for a new user to create a new account. This button will direct the user to a new screen full of information about creating an account.
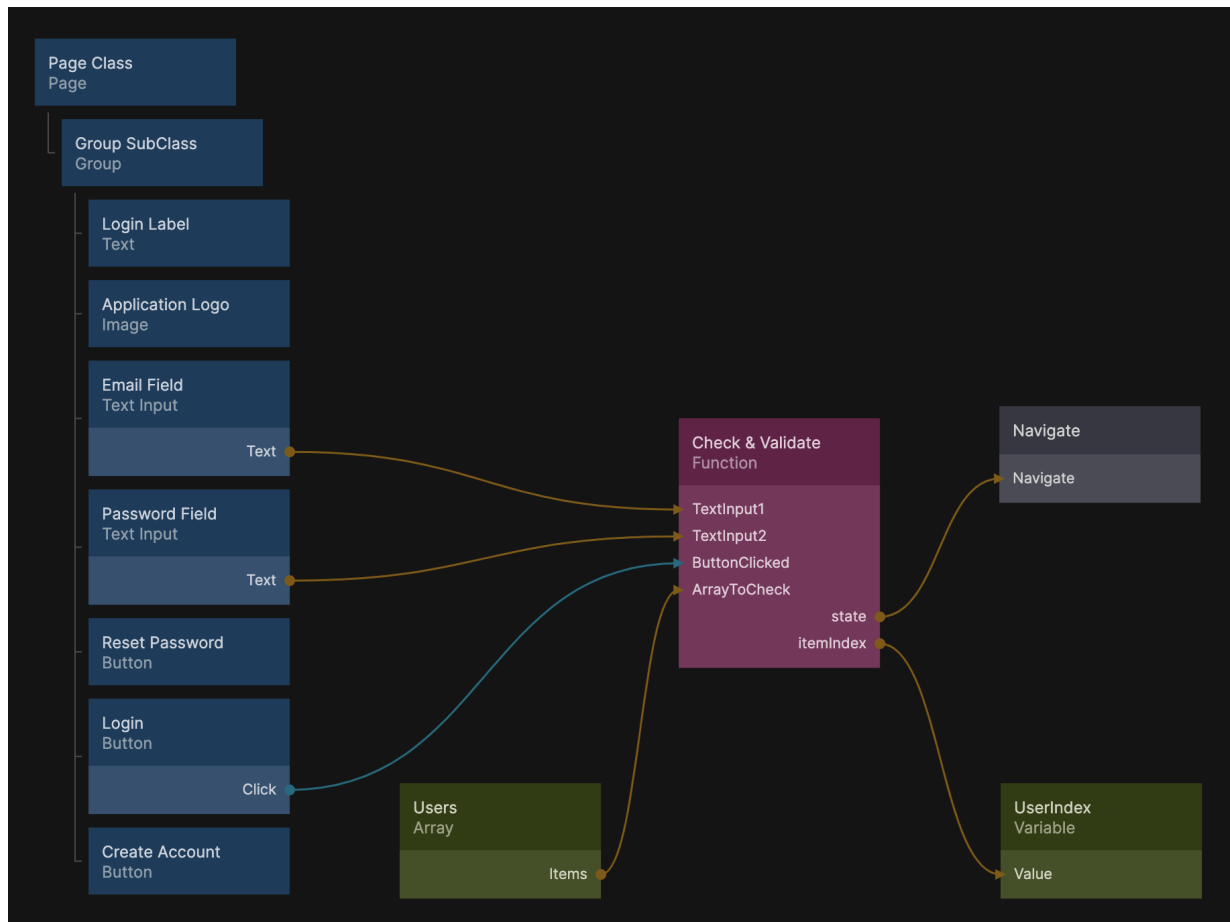
Login

EMAIL

    Type here

PASSWORD

    Type here

Reset Password

 👤 Login

 👤+ Create Account

Login Page Logic and Block Code

1.3.1 Create Account Screen

The create account screen prompts the user with 9 different text boxes all of which ask the user a different question. These include:

1. Full Name: The user is prompted for their Full Name. The user's full name is used for identification later in the application.
2. Email Address: The user is prompted for their personal or work email address. The user's email address is used for logging into the application as well as for newsletters and urgent information from the application.
3. Graduation Year: The user is prompted for their grade Graduation Year. As this is an application to aid mainly high school and middle school students, the user's grade is important for identification purposes later in the application.
4. Birthday: The user is prompted for their birthday. The user's birthday is used mainly for identification purposes including identifying if the user is age restricted to certain posts, competitions, drawings, etc.
5. School / University: The user is prompted for their school. The user's school is used to ensure that this user is connected with the correct school or a school of their choice.
6. Password: The user is prompted to enter a password for their account. The user's password is used every time that user logs into this application as well as with changing any sensitive information throughout the application such as account information.
7. Confirm Password: The user is prompted to confirm their password. The user's confirmed password is compared with the previous field "Password" to ensure that the user both did not make a keystroke mistake and making sure that the user will remember this password as they must enter it twice.

Following answering all prompt fields correctly, the user will have made a new account and will be directed back to the login page to login.

1.4 Home Screen

Welcome Message and User Information:
Upon launching the app, the home screen warmly greets the user with a personalized welcome message, addressing them by their registered name. This friendly greeting sets a positive tone and enhances the user experience. Adjacent to the welcome message, the app prominently displays the user's name, ensuring that they feel recognized and valued within the platform.

Portfolio Overview:
Below the welcome message and user information, the home screen provides an informative overview of the user's portfolio. This section offers valuable insights into the user's academic and extracurricular achievements, showcasing their diverse interests and accomplishments. The portfolio summary includes the total number of events stored in the user's profile, serving as a quick reference point for tracking progress and engagement.

Events Categories:
The portfolio overview further categorizes the events stored in the user's profile, providing a comprehensive breakdown of their accomplishments. Each category represents a distinct aspect of the user's academic and extracurricular involvement, allowing them to easily navigate and explore their achievements. The categories include:

- ❖ Academic Achievements
- ❖ Athletic Participation
- ❖ Performing Arts
- ❖ Clubs
- ❖ Organizations
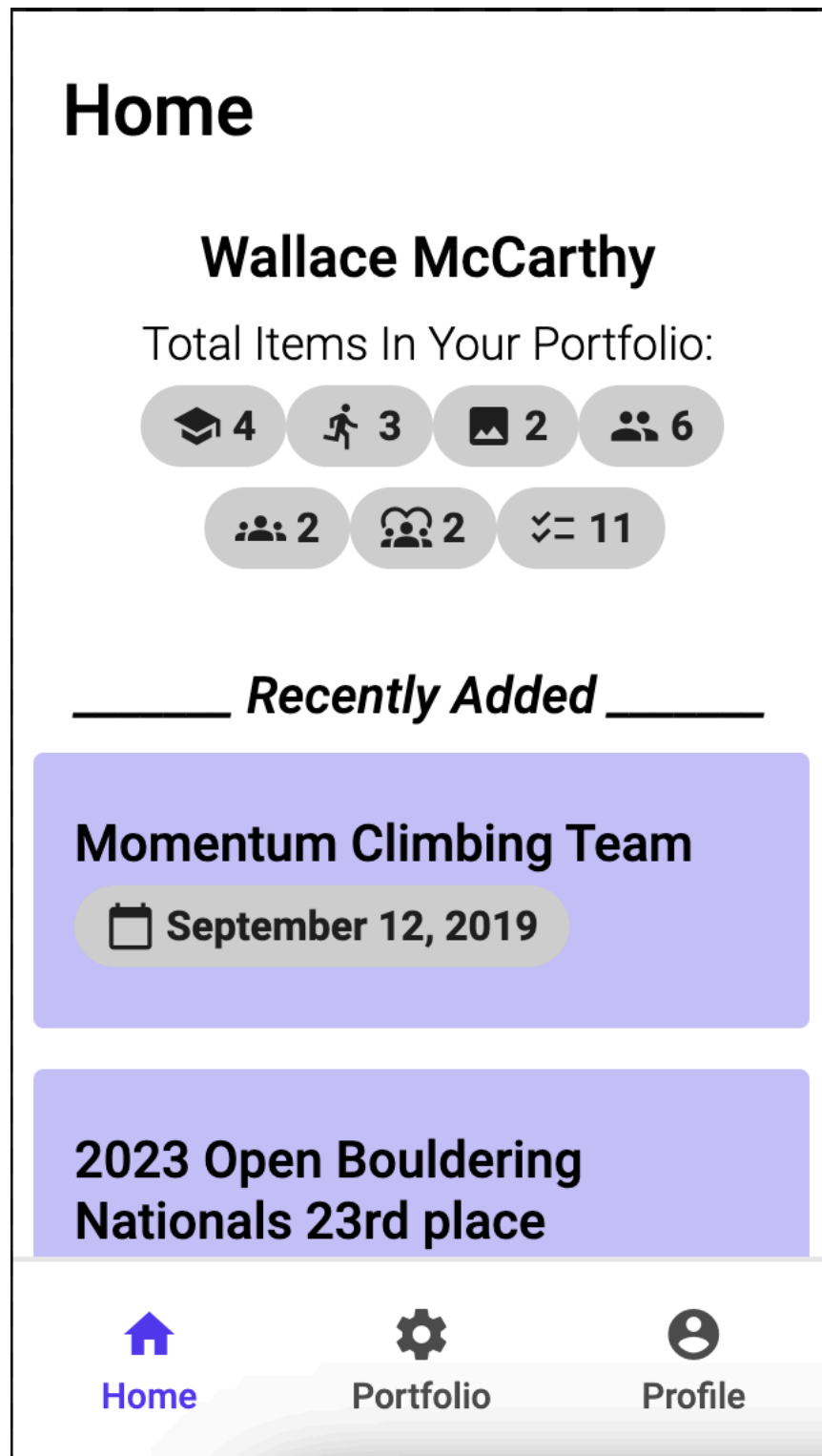- ❖ Community Service
- ❖ Honors Classes

By organizing events into specific categories, the app helps users gain a holistic understanding of their accomplishments across various domains. Whether it's academic excellence, athletic achievements, or community service initiatives, each category celebrates the user's diverse talents and contributions.

History Section:
Adjacent to the portfolio overview, the home screen features a dedicated history section that highlights the user's most recent activities and additions to their portfolio. This dynamic feed showcases the latest events that the user has added, providing a real-time glimpse into their ongoing journey of personal and academic growth. By displaying recent updates prominently, the app encourages users to stay engaged and actively manage their portfolio, ensuring that it remains up-to-date and reflective of their achievements.
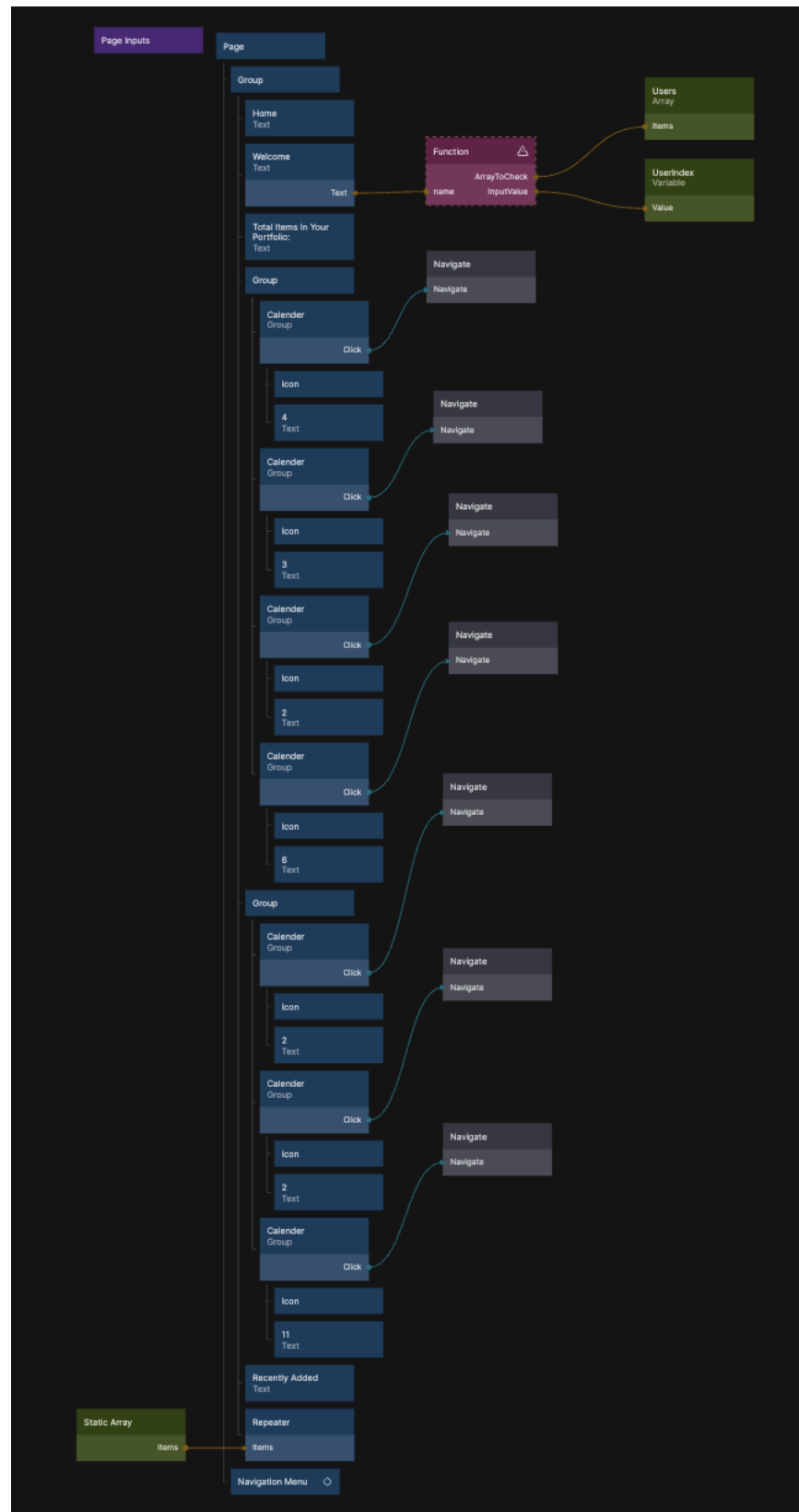
Overall, the home screen of our app combines personalized greetings, insightful portfolio overviews, and dynamic history sections to create a user-centric experience that celebrates and

showcases the diverse accomplishments of each individual user. Through intuitive design and thoughtful presentation, the app fosters a sense of pride, motivation, and accomplishment, empowering users to track their progress and celebrate their successes with confidence.

Home

Wallace McCarthy

Total Items In Your Portfolio:

🎓 4   🏃 3   🖼 2   👥 6

👥 2   👥 2   ✅= 11

_____ *Recently Added* _____

Momentum Climbing Team

📅 September 12, 2019

2023 Open Bouldering Nationals 23rd place

🏠 **Home**   ⚙ **Portfolio**   👤 **Profile**

Home Screen Block Code

1.5 Portfolio Screen

Portfolio Overview:
The portfolio page serves as a visually engaging and comprehensive showcase of the student's achievements and involvements across various categories. Organized and accessible, this page allows users to explore their accomplishments with ease and clarity.

Category Display:
The portfolio page prominently displays each category of the student's events, accompanied by relevant images and descriptive text. This visual presentation enhances the user experience, making it intuitive for students to navigate and engage with their achievements. Each category is thoughtfully represented, reflecting the diverse interests and talents of the student.

Academic Achievements:
Image: A scholarly icon or emblem, symbolizing academic excellence.
Description: Highlights academic milestones such as academic awards, scholarships, high grades, research projects, or participation in academic competitions. This section celebrates the student's dedication to intellectual pursuits and academic success.

Athletic Participation:

Image: Athletic gear or sports equipment, representing physical activity and sportsmanship.
Description: Showcases the student's involvement in sports teams, athletic competitions, or physical fitness activities. This section celebrates the student's commitment to health, fitness, and teamwork.

Performing Arts:

Image: A stage or performing arts venue, evoking the spirit of creativity and expression.
Description: Highlights the student's participation in performing arts activities such as theater productions, musical performances, dance recitals, or talent shows. This section celebrates the student's artistic talents and passion for creative expression.

Clubs:

Image: Club logos or symbols, representing various student organizations and extracurricular clubs.
Description: Showcases the student's involvement in extracurricular clubs and student organizations. This section highlights the diverse interests and leadership roles undertaken by the student within the school community.

Organizations:

Image: Icons representing community engagement and organizational involvement.
Description: Highlights the student's participation in community organizations, volunteer initiatives, or youth leadership programs. This section celebrates the student's commitment to social responsibility and community service.

Community Service:

Image: Images representing volunteer activities, community projects, or charitable causes.
Description: Showcases the student's engagement in community service projects, volunteer work, or philanthropic endeavors. This section celebrates the student's dedication to making a positive impact on their community and the world.

Honors Classes:

Image: Symbols representing academic excellence and advanced learning.
Description: Highlights the student's enrollment in honors classes, advanced placement courses, or specialized academic programs. This section celebrates the student's pursuit of academic challenges and intellectual growth.
Interactive

Features:
In addition to visual representation, the portfolio page may incorporate interactive features such as clickable icons or buttons, allowing users to view detailed information about each event within a specific category. This interactivity enhances user engagement and provides a deeper insight into the student's achievements and experiences.

Export to PDF Feature:

The portfolio page of the "Noodl" app includes a convenient feature that allows users to export their events and achievements into a PDF document. This functionality enables students to create a comprehensive and professional record of their accomplishments, suitable for sharing with colleges, potential employers, or personal reference.

How it Works:

Select Export Option:

Within the portfolio page, users can easily locate the export feature, typically located in the top-right corner or within a dropdown menu. Upon selecting the export option, a dialog box or menu appears, prompting the user to customize their PDF export settings.
Customization Options:

Users have the flexibility to customize their PDF export according to their preferences. They can choose which categories of events to include in the PDF, select the desired layout and formatting options, and add any additional notes or comments to accompany the document.

Generate PDF:

After customizing the export settings, users simply click the "Generate PDF" or similar button to initiate the export process. The app then compiles the selected events and generates a PDF document containing the user's portfolio of achievements.

Review and Download:

Once the PDF is generated, users have the opportunity to review the document to ensure accuracy and completeness. They can scroll through the pages, verify the content, and make any necessary adjustments before proceeding.

Download or Share:

After reviewing the PDF, users can choose to download the document directly to their device for personal reference or share it with others via email, messaging apps, or cloud storage platforms. The app provides convenient sharing options to facilitate seamless communication of the user's achievements.

Benefits of PDF Export:

Professional Presentation: The PDF export feature ensures that users' achievements are presented in a professional and polished format, suitable for academic and professional contexts.

Portability and Accessibility: By exporting their portfolio into a PDF document, users can easily access and share their accomplishments across various platforms and devices, without relying on internet connectivity or specific software applications.
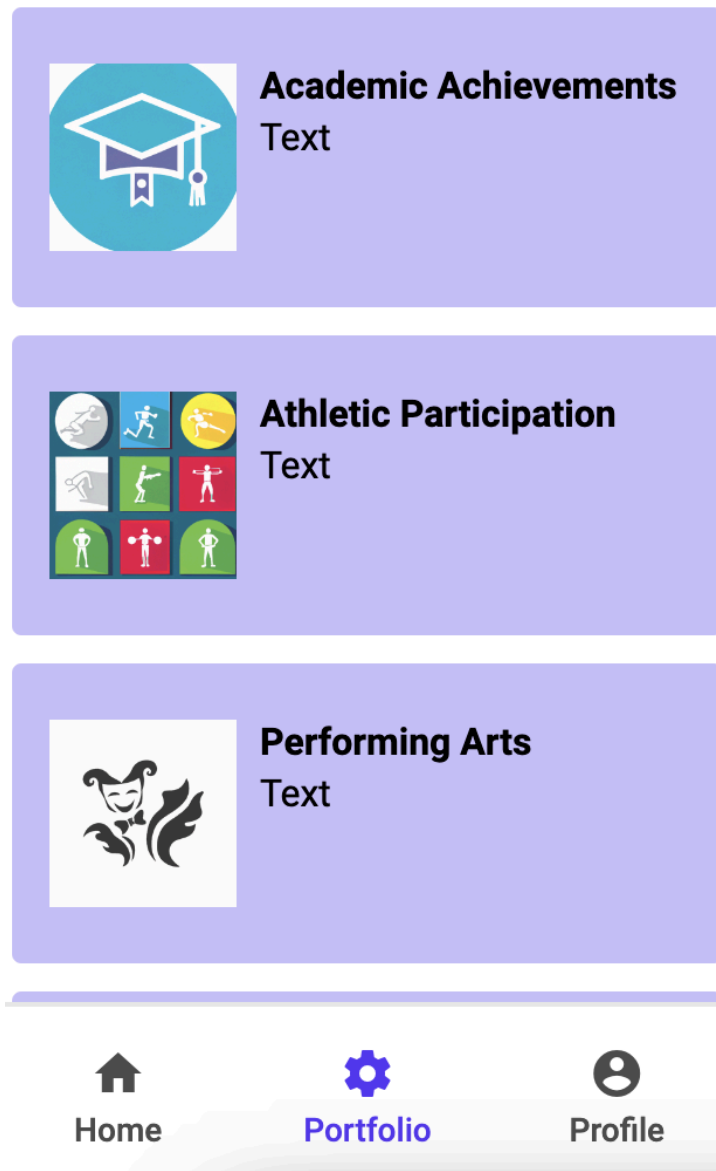
Documentation and Record Keeping: The PDF export serves as a valuable documentation tool, allowing users to maintain a permanent record of their achievements for future reference and documentation purposes.

Overall, the PDF export feature enhances the utility and versatility of our app, empowering users to showcase their accomplishments with confidence and professionalism. Whether applying to colleges, seeking employment opportunities, or simply reflecting on their personal growth

journey, students can leverage this feature to create a compelling and comprehensive record of their achievements.

Overall, the portfolio page of our app offers a visually compelling and user-friendly platform for students to showcase their accomplishments and celebrate their diverse talents and interests. Through intuitive design and thoughtful presentation, the app empowers students to take pride in their achievements and actively engage with their academic and extracurricular pursuits.

Portfolio

Academic Achievements
Text

Athletic Participation
Text

Performing Arts
Text

Home   Portfolio   Profile

Portfolio Page Block Code

1.5.1 Portfolio Event Viewer

When a user clicks on one of the categories displayed on the portfolio page of the "Noodl" app, they are directed to a dedicated Category Detail Page designed to accommodate multiple events within that category. This page provides an organized and comprehensive view of all events associated with the selected category. Here's how the Category Detail Page is structured for multiple events:

1. Category Header:

At the top of the page, the Category Header reaffirms the selected category, ensuring clarity and context for the user. It may include the category name and a brief description to provide context for the displayed events.

2. Event Titles and Dates:

Beneath each event thumbnail or list item, the Category Detail Page lists the title or name of the event, accompanied by its corresponding date or timeframe. This information helps users identify and understand the chronological order of events within the category.

Navigation and Interaction:

Back Navigation: Users can easily navigate back to the portfolio page or previous pages within the app by utilizing built-in navigation controls such as a "Back" button or breadcrumb navigation.

Interaction: The Category Detail Page may incorporate interactive elements such as clickable buttons or icons, allowing users to perform actions such as editing or deleting events, adding new events, or sharing event details with others.
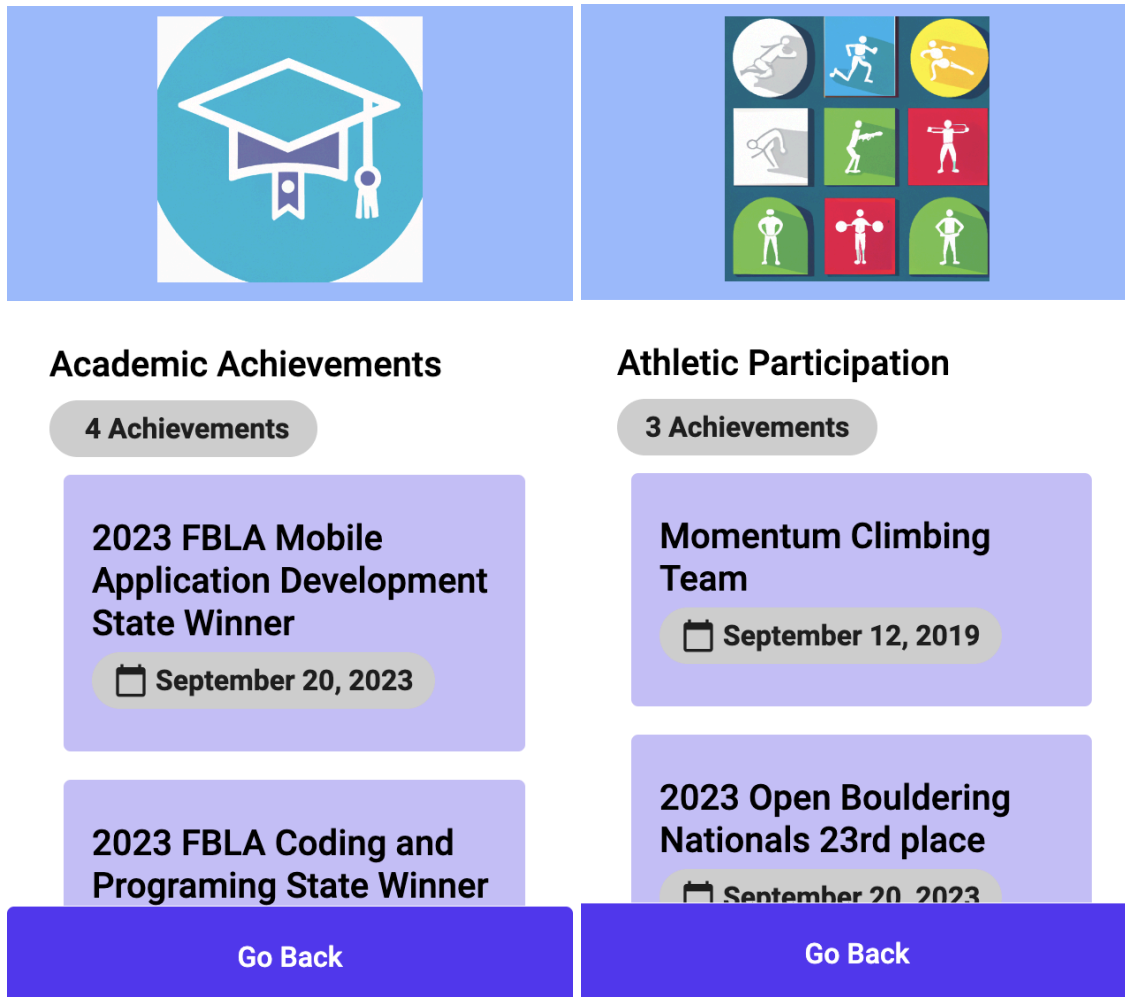
User Experience Considerations:

Visual Consistency: The Category Detail Page maintains visual consistency with the rest of the app, including consistent color schemes, typography, and design elements. This ensures a seamless and cohesive user experience throughout the app.

Responsive Design: The Category Detail Page is designed to be responsive, adapting to different screen sizes and orientations to provide an optimal viewing experience across various devices, including smartphones, tablets, and desktop computers.
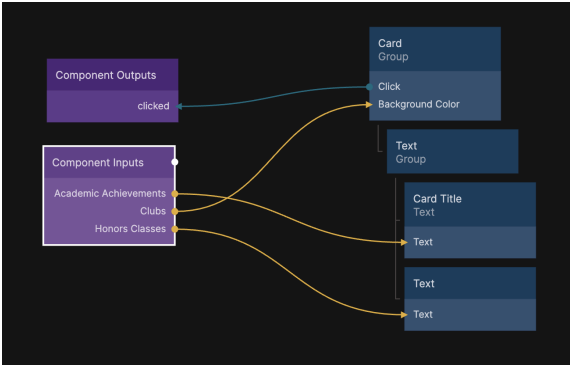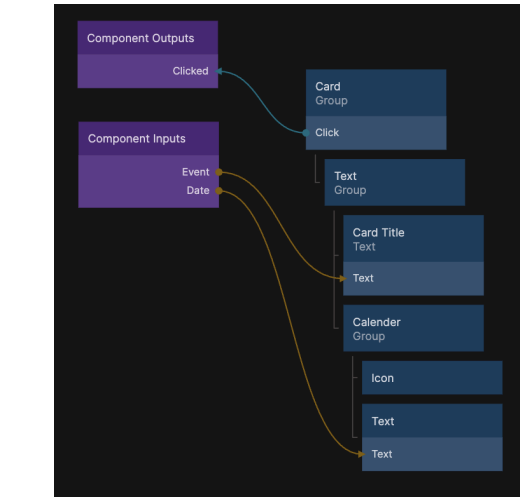
Accessibility: The app prioritizes accessibility by ensuring that text is legible, images are appropriately labeled, and interactive elements are easily navigable using assistive technologies such as screen readers.

Overall, the Category Detail Page for multiple events enhances the user experience by providing a structured and organized view of events within a specific category, allowing users to explore and engage with their achievements efficiently and intuitively.

Academic Achievements

4 Achievements

2023 FBLA Mobile Application Development State Winner

September 20, 2023

2023 FBLA Coding and Programing State Winner

Go Back

Athletic Participation

3 Achievements

Momentum Climbing Team

September 12, 2019

2023 Open Bouldering Nationals 23rd place

September 20, 2023

Go Back

Profile Event Block Code

1.6 User Profile Screen

The User Profile Page in the "Noodl" app serves as a centralized hub where users can view and manage their personal information. It provides a comprehensive overview of key details such as name, email, educational institution, graduation year, and date of birth. Here's how the User Profile Page is structured:

1. Profile Header:

At the top of the page, the Profile Header may display the user's profile picture along with their name. This personalized header serves as a welcoming visual element, reinforcing the user's identity within the app.

2. Personal Information Section:

Below the Profile Header, the User Profile Page presents a dedicated section for personal information. This section includes the following details:

Name: Displays the user's full name, allowing for easy identification.
Email: Shows the user's email address, which serves as their primary contact information.
School/University: Indicates the educational institution attended by the user, providing context for their academic background.
Graduation Year: Specifies the user's expected or actual graduation year, offering insight into their academic timeline.
Date of Birth: Displays the user's date of birth, which may be required for age verification or demographic purposes.

3. Account Settings and Security:

The User Profile Page may include links or buttons to access account settings and security features. From here, users can manage preferences such as notification settings, password changes, and two-factor authentication. Ensuring the security and privacy of user data is paramount, and the app provides robust measures to safeguard user information.

4. Navigation and Interaction:

Navigation controls such as a "Back" button or breadcrumb navigation allow users to navigate back to previous pages within the app. Interactive elements such as clickable buttons or icons provide intuitive means for users to perform actions such as editing profile information or uploading a new profile picture.

User Experience Considerations:

Visual Consistency: The User Profile Page maintains visual consistency with the overall design of the app, ensuring that colors, typography, and layout remain cohesive and visually appealing.

Accessibility: The app prioritizes accessibility by ensuring that text is legible, interactive elements are easily identifiable, and navigation is intuitive for all users, including those with disabilities.

Data Privacy: The app adheres to stringent data privacy regulations and guidelines, ensuring that user information is securely stored and only accessed for authorized purposes. Users are provided with transparency and control over their personal data, with clear explanations of how their information is used and protected.

Overall, the User Profile Page our app offers users a centralized platform to manage their personal information effectively, fostering a sense of ownership and control over their digital identity within the app.

Profile

Wallace M.

Email
webkitAnimationName@gmail.com

School/University
Hillcrest

Graduation Year
2023-2024

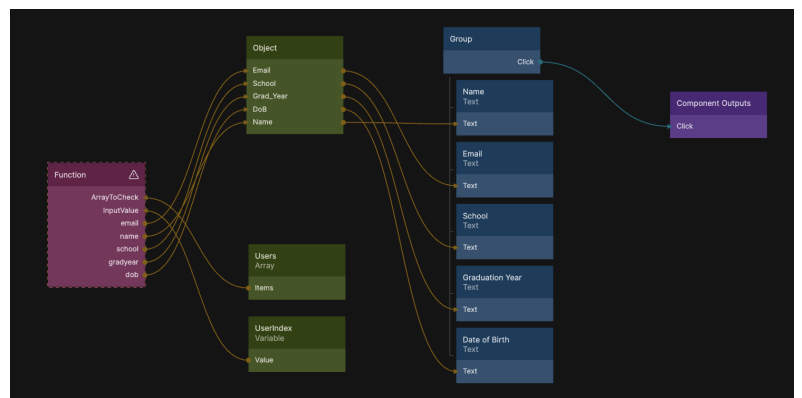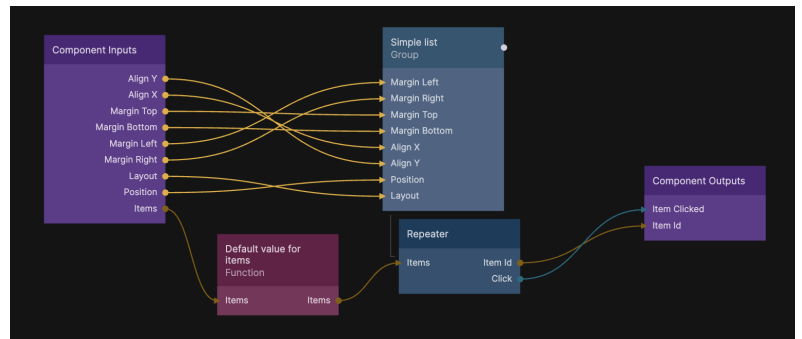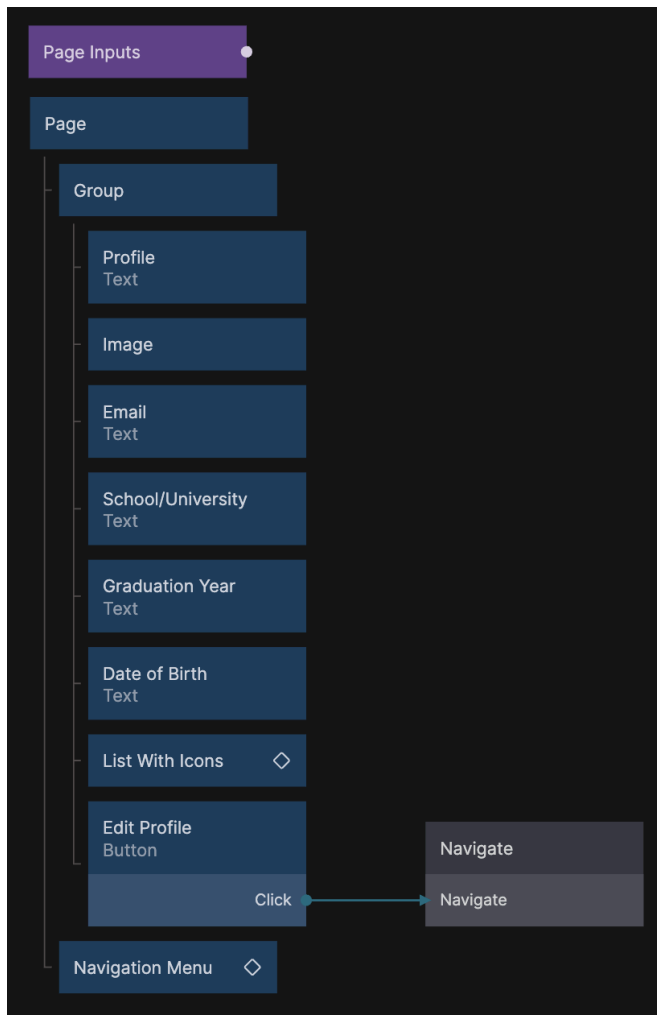Date of Birth
9/12/06

✏️ Edit Profile

🏠 Home   ⚙️ Portfolio   👤 Profile

Profile Block Code

1.6.1 Edit User Profile Screen

Users have the option to edit and update their personal information directly from the Profile Page. This functionality enables users to keep their profile details accurate and up-to-date. Clicking on an "Edit" button opens a form or dialog box where users can make changes to their profile information.

Edit Profile

FULL NAME

Type here

EMAIL

Type here

SCHOOL/UNIVERSITY

Type here

GRADUATION YEAR

Type here

DATE OF BIRTH
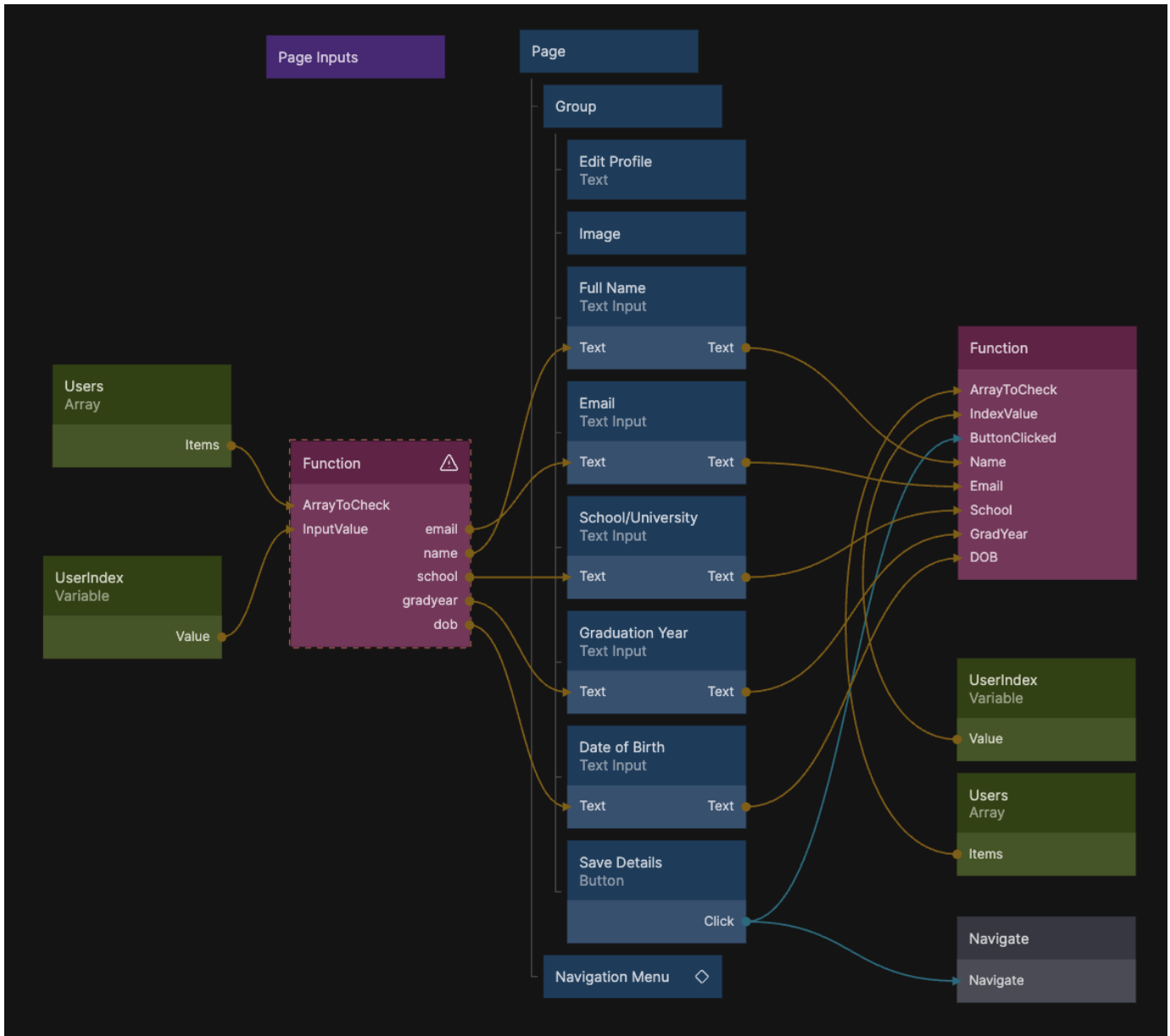
Type here

Save Details

🏠 Home   ⚙ Portfolio   👤 Profile

Edit profile Block Code

2. Source Documentation

2.1 Sources

Our App uses a variety of different libraries, modules, and resources. The external data and images we use are accredited properly. All images were given credit and copyright laws were followed.

2.2 Image Documentation
Our application makes use of attraction images, application logos and icons.
- Images
  - All images used in this app have been AI generated by Dall-E 2
  -

2.4 Code Documentation
Code documentation with comments is a way to provide explanations and details about the code within the code itself. This makes it easier for other developers to understand what the code does, how it works, and how it can be used.
Code Documentation with visual components and simple comments has been done throughout the entirety of the project.

2.5 Licenses
Within our application we used a multitude of different tools, libraries, and resources. Below are the licenses of the tools and products we used.
- **OpenAI:** "Noodl" is a hypothetical AI model or tool developed by OpenAI, potentially offering capabilities in a specific domain such as natural language processing, computer vision, or any other AI-related task.

  Like other offerings from OpenAI, the hypothetical "Noodl" would likely be governed by terms of service that dictate the terms and conditions for its usage. These terms would cover various aspects including usage restrictions, liability limitations, termination clauses, intellectual property rights, confidentiality agreements, and data privacy provisions.

  For your application, which involves utilizing "Noodl" for a specific task, it would be essential to ensure compliance with the terms of service. This would involve agreeing to the terms set forth by OpenAI, meeting any eligibility criteria specified, and adhering to relevant laws and regulations governing the use of AI technologies.

  Responsible and ethical usage of "Noodl" would also be paramount, requiring developers to respect the rights of others, avoid infringing upon intellectual property, and safeguard

user privacy. Additionally, considering the broader societal implications of "Noodl" usage and taking steps to mitigate any potential negative impacts would be necessary.

By following the terms of service and practicing responsible AI development, developers can leverage the capabilities of "Noodl" to enhance their applications while upholding ethical standards and legal obligations.

- **OpenAI:** OpenAI provides a range of APIs and software tools for artificial intelligence and machine learning, including natural language processing, computer vision, and reinforcement learning. These APIs and tools are subject to the OpenAI API Terms of Service, which govern the use of OpenAI's services.

  The OpenAI API Terms of Service outline the terms and conditions for using the OpenAI API, including restrictions on how the API can be used, limitations on liability, and provisions for termination of the agreement. The terms of service also include provisions related to intellectual property rights, confidentiality, and data privacy.

  In general, the OpenAI API is available to developers and researchers who agree to the terms of service and meet certain eligibility requirements. Developers are also required to comply with any applicable laws and regulations related to their use of the API.

  For our application we only use language processing to reply to users when problems are raised.

- **DALL-E 2:** DALL-E 2 is a continuation of OpenAI's DALL-E model, which is a neural network capable of generating images from textual descriptions. DALL-E 2 builds upon this capability, offering even more advanced image generation based on textual input.

  Similar to OpenAI's other offerings, DALL-E 2 is subject to terms of service that govern its usage. These terms outline the conditions under which developers and researchers can access and utilize the DALL-E 2 API and associated tools. They cover aspects such as usage restrictions, liability limitations, termination clauses, intellectual property rights, confidentiality agreements, and data privacy provisions.

  For your application, which involves utilizing DALL-E 2 for generating images in response to textual prompts, it's important to ensure compliance with the terms of service. This includes agreeing to the terms outlined by OpenAI, meeting any eligibility requirements specified, and adhering to applicable laws and regulations governing the use of AI technologies.

  As with any AI application, it's crucial to use DALL-E 2 responsibly and ethically, respecting the rights of others and ensuring that generated content does not infringe upon intellectual property or violate privacy rights. Additionally, developers should

consider the potential impacts of their usage on society and take steps to mitigate any negative consequences.

By abiding by the terms of service and employing responsible practices, developers can harness the power of DALL-E 2 to enhance their applications while upholding ethical standards and legal obligations.

3.   System Requirements and Setup

The Xcode requirements are:
1. A Mac running macOS Big Sur 11.0 or later.
2. At least 8GB of RAM, but 16GB or more is recommended.
3. At least 15GB of available disk space, but 50GB or more is recommended.

To launch and use the "Noodl" app, you'll need to ensure that your system meets certain requirements and complete a setup process. Here's a general outline of what you might need to consider:

System Requirements:

Operating System: Determine which operating systems are supported by the "Noodl" app. Commonly supported operating systems include Windows, macOS, and Linux distributions.

Hardware: Check the hardware requirements, including processor (CPU), memory (RAM), and storage space. The specific requirements will depend on the complexity of the tasks performed by the app.

Graphics Card (if applicable): Some AI applications, especially those involving computer vision tasks, may benefit from a dedicated graphics processing unit (GPU). Check if the app requires a GPU and, if so, ensure that your system meets the minimum requirements.

Internet Connection: Confirm whether the app requires an internet connection for usage. Some AI models may rely on cloud-based services for processing, while others may offer offline capabilities.

Setup Process:

Download and Installation: Visit the official website or designated platform for downloading the "Noodl" app. Follow the provided instructions to download the installation package appropriate for your operating system.

Installation: Once the installation package is downloaded, run the installer and follow the on-screen prompts to install the "Noodl" app on your system. This typically involves selecting installation options, specifying installation directories, and agreeing to any terms of service.

Account Creation/Login: Depending on the app's design, you may need to create an account or log in with existing credentials to access its features. Follow the provided prompts to complete this process, ensuring that you provide accurate information.

License Activation (if applicable): If the "Noodl" app requires a license key or activation code for usage, ensure that you have this information ready. Follow the provided instructions to activate your license and unlock the app's full functionality.

Configuration: Depending on the app's complexity, you may need to configure certain settings before using it. This could include specifying default preferences, adjusting performance options, or connecting to external services.

Training Data (if applicable): If the "Noodl" app is an AI model that requires training data, ensure that you have access to the necessary datasets. Follow any provided instructions for importing or accessing training data within the app.

Testing and Troubleshooting: Once the setup process is complete, perform initial tests to ensure that the "Noodl" app functions as expected. Address any issues or errors encountered during testing by referring to documentation, seeking assistance from support channels, or troubleshooting independently.

By following these steps, you should be able to successfully launch and use the "Noodl" app on your system. Remember to regularly update the app to access new features, improvements, and security patches provided by the developers.

4.   Version History

4.1 Planning Process

Prompt

Create a mobile application that enables students to create a portfolio of their high school experiences. This app should allow students to showcase any of the following: their academic achievements, athletic participation, performing arts experience, clubs and organization memberships, community service hours, honors classes, and other related items.
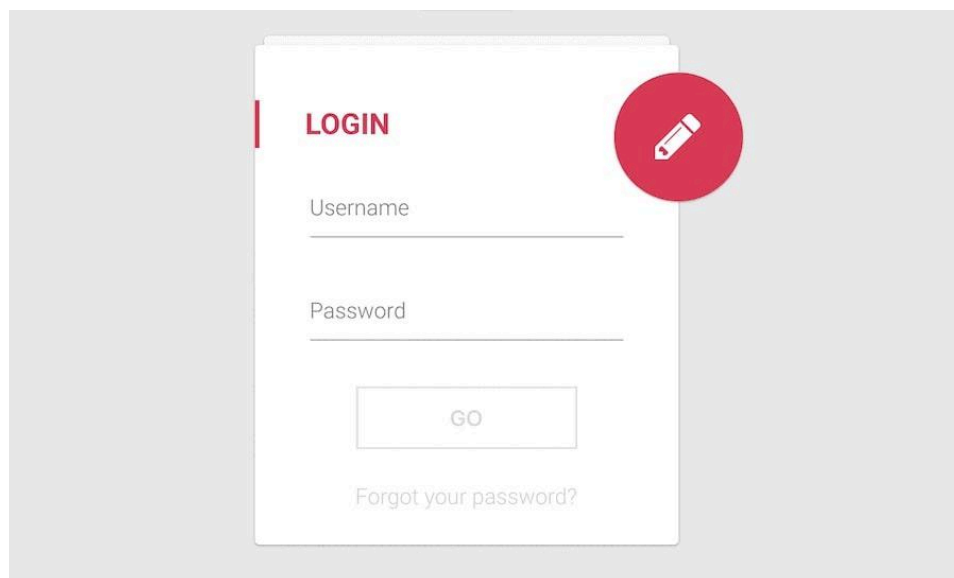
- The app must be designed for a phone/tablet.
- The operating system must be mobile based such as Android or iOS.
- The app should state its licensing and terms of use.

In order to accomplish this prompt, we just add the following Screens and Functionalities: Login Screen, Home Screen, Portfolio Screen, Data Structure for the Portfolio events, and a a way to convert the events to a printable pdf

Login

In order to develop a professional, industry leading, app, one must create a login screen to allow users to have separate accounts. In this App, there will be a login screen that requests an email and a password to login. If either of these fields are incorrect, the app will highlight them and display an error message. Lastly there will also be a "Create Account" Button that will allow the user to create a new account.
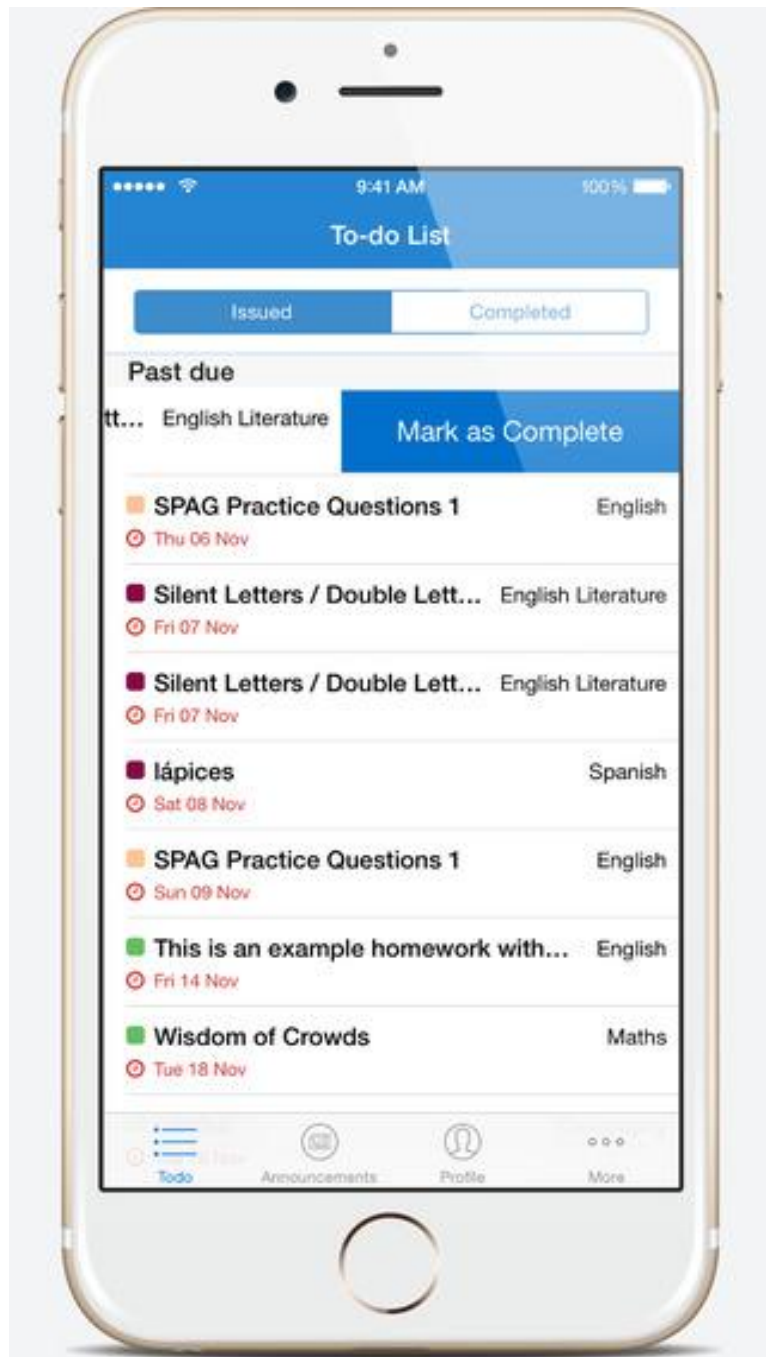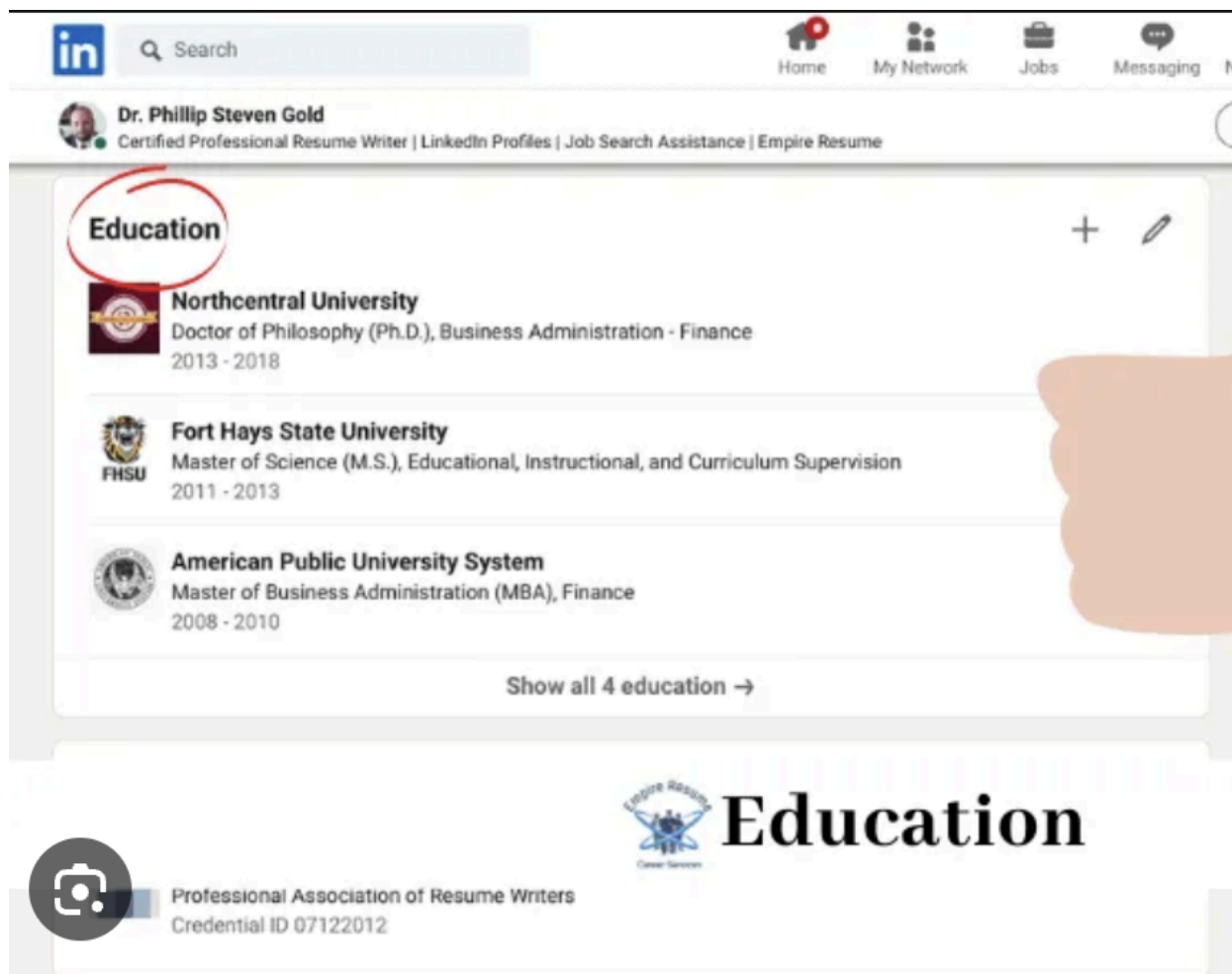The Login Screen will look something like the following:

Home Screen

To fulfill the task of creating a mobile application for your school to help keep parents and the community up to date, we must have a dashboard that can display important information. This dashboard will display the student's counted up portfolio events, they're history of events and a welcoming text.

The Home Screen will look something like the following:

Portfolio Screen
The Portfolio Screen will look something like the following:

4.2 Current Version

Our current app version includes the following:

1. Login Screen

The login screen allows for the user to either enter an email and password or to login via a browser application which include: Apple ID, Twitter, Facebook, and Google. For logging in with an email and password, if one or both of these fields are incorrect, the text box surrounding them will be highlighted red, allowing the user to identify if either their password is incorrect, their email is incorrect or both. Under the password textbox there is a button called "Create Account" which can be used for a new user to create a new account. This button will direct the user to a new screen full of information about creating an account.

2. Create Account Screen

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Full Name: The user is prompted for their Full Name. The user's full name is used for identification later in the application.

Email Address: The user is prompted for their personal or work email address. The user's email address is used for logging into the application as well as for newsletters and urgent information from the application.

Graduation Year: The user is prompted for their grade Graduation Year. As this is an application to aid mainly high school and middle school students, the user's grade is important for identification purposes later in the application.

Birthday: The user is prompted for their birthday. The user's birthday is used mainly for identification purposes including identifying if the user is age restricted to certain posts, competitions, drawings, etc.

School / University: The user is prompted for their school. The user's school is used to ensure that this user is connected with the correct school or a school of their choice.
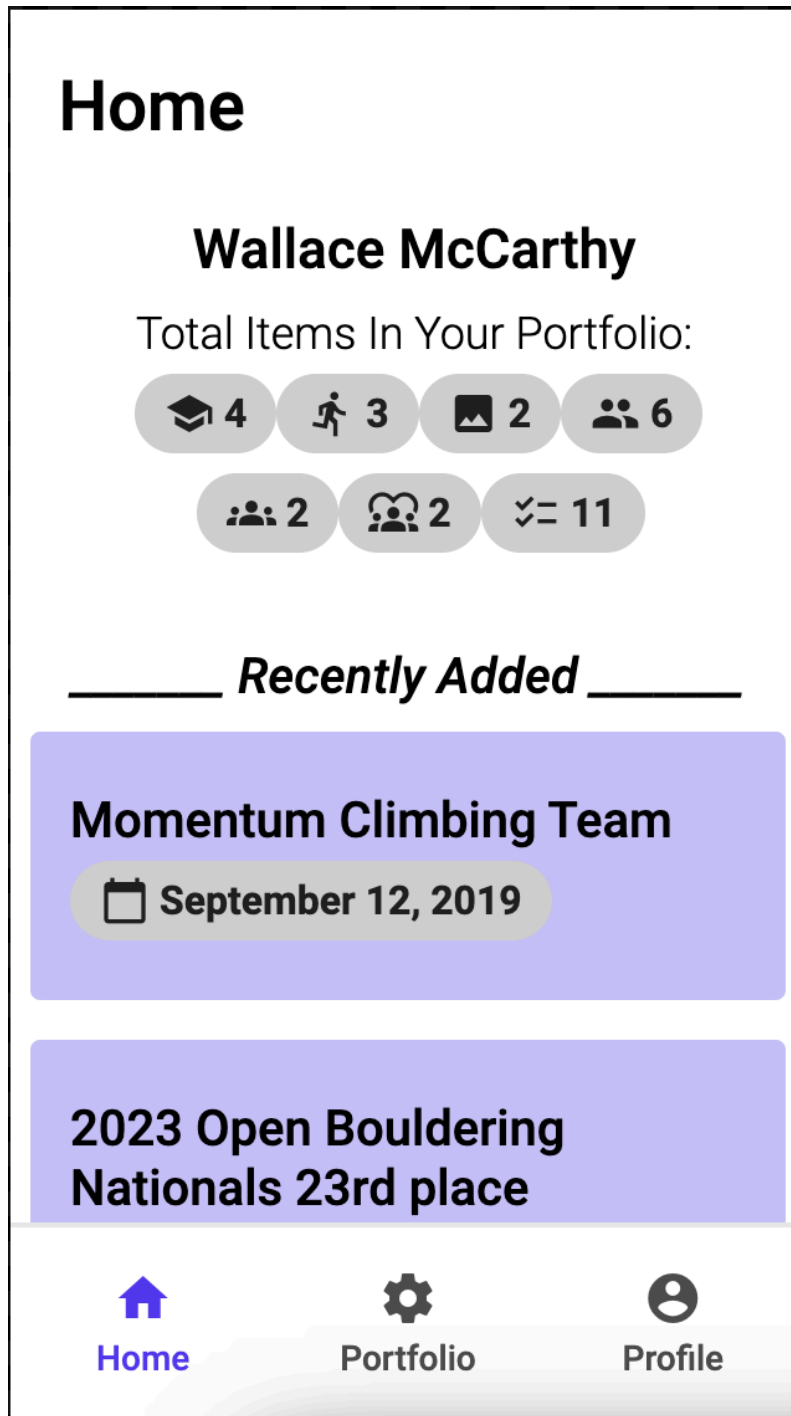
Password: The user is prompted to enter a password for their account. The user's password is used every time that user logs into this application as well as with changing any sensitive information throughout the application such as account information.

Confirm Password: The user is prompted to confirm their password. The user's confirmed password is compared with the previous field "Password" to ensure that the user both did not make a keystroke mistake and making sure that the user will remember this password as they must enter it twice.
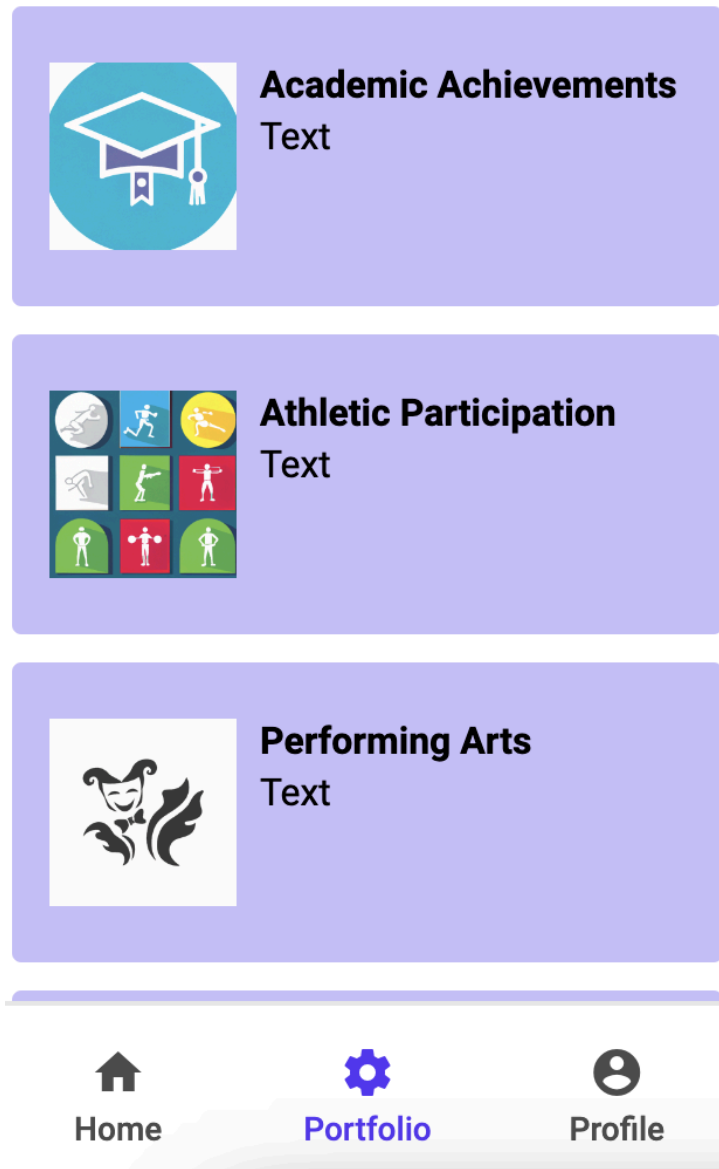
3. Home Screen

The home screen of our app combines personalized greetings, insightful portfolio overviews, and dynamic history sections to create a user-centric experience that celebrates and showcases the diverse accomplishments of each individual user. Through intuitive design and thoughtful presentation, the app fosters a sense of pride, motivation, and accomplishment, empowering users to track their progress and celebrate their successes with confidence.

4. Portfolio Screen

The portfolio page of our app offers a visually compelling and user-friendly platform for students to showcase their accomplishments and celebrate their diverse talents and interests. Through intuitive design and thoughtful presentation, the app empowers students to take pride in their achievements and actively engage with their academic and extracurricular pursuits.

Portfolio

Academic Achievements
Text

Athletic Participation
Text

Performing Arts
Text

Home   **Portfolio**   Profile

5. Portfolio Event Viewer

The Category Detail Page for multiple events enhances the user experience by providing a structured and organized view of events within a specific category, allowing users to explore and engage with their achievements efficiently and intuitively.

Academic Achievements

4 Achievements

2023 FBLA Mobile Application Development State Winner

🗓 **September 20, 2023**

2023 FBLA Coding and Programing State Winner

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Athletic Participation

3 Achievements

Momentum Climbing Team

🗓 **September 12, 2019**

2023 Open Bouldering Nationals 23rd place

🗓 September 20, 2023

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6. User Profile Screen

The User Profile Page our app offers users a centralized platform to manage their personal information effectively, fostering a sense of ownership and control over their digital identity within the app.

Profile

Wallace M.

Email
webkitAnimationName@gmail.com

School/University
Hillcrest

Graduation Year
2023-2024

Date of Birth
9/12/06

✏️ **Edit Profile**

🏠 **Home** ⚙️ **Portfolio** 👤 **Profile**

7. Edit User Profile Screen

Users have the option to edit and update their personal information directly from the Profile Page. This functionality enables users to keep their profile details accurate and up-to-date. Clicking on an "Edit" button opens a form or dialog box where users can make changes to their profile information.

Edit Profile

FULL NAME

Type here

EMAIL

Type here

SCHOOL/UNIVERSITY

Type here

GRADUATION YEAR

Type here

DATE OF BIRTH

Type here

Save Details

Home   Portfolio   Profile

4.3 Future Versions

❖ **Enhanced User Profiles:** Allow students to personalize their profiles with additional details such as interests, extracurricular activities, and academic goals.

❖ **Parental Access:** Create a dedicated section for parents to track their child's progress, attendance, and academic performance. Implement features for direct communication between parents and teachers.

❖ **Push Notifications:** Enable push notifications for important updates, announcements, and events, ensuring that users stay informed in real-time.

❖ **Interactive Calendar:** Integrate a calendar feature that displays school events, holidays, exams, and deadlines. Allow users to add events to their personal calendars and set reminders.

❖ **Achievement Badges:** Implement a badge system to reward students for academic achievements, participation in extracurricular activities, and community service. Students can earn badges and showcase them on their profiles.

❖ **Discussion Forums:** Create discussion forums or chat rooms where students, parents, and teachers can engage in academic discussions, share resources, and seek assistance.

❖ **Gradebook Access:** Provide students and parents with access to an online gradebook where they can view grades, assignments, and progress reports.

❖ **Virtual Tours:** Develop virtual campus tours for prospective students and parents, allowing them to explore campus facilities, classrooms, and amenities remotely.

❖ **Language Support:** Offer multilingual support to cater to diverse language preferences within the school community.

❖ **Scheduling Assistant:** Integrate a scheduling assistant feature that helps students plan their class schedules, extracurricular activities, and study sessions efficiently.

❖ **Emergency Alerts:** Implement an emergency alert system to notify users about school closures, weather alerts, and safety protocols in case of emergencies.

❖ **Integration with Learning Management Systems (LMS):** Integrate with popular LMS platforms to streamline access to course materials, assignments, and online resources.

❖ **Community Marketplace:** Create a virtual marketplace where students and parents can buy, sell, or exchange textbooks, school supplies, and other items.

❖ **Alumni Network:** Develop an alumni network feature to connect current students with alumni for mentorship, career guidance, and networking opportunities.

- ❖ **Accessibility Features:** Ensure accessibility features such as screen reader compatibility, text resizing options, and alternative navigation methods to accommodate users with disabilities.
- ❖ **Gamification Elements:** Incorporate gamification elements such as quizzes, challenges, and rewards to promote engagement and motivation among students.
- ❖ **Integration with External Services:** Allow integration with external services such as transportation apps, meal planning apps, and fitness trackers to provide comprehensive support for students' daily activities.
- ❖ **Peer Tutoring Platform:** Implement a peer tutoring platform where students can offer tutoring services or seek help from their peers in specific subjects.
- ❖ **Student Feedback Surveys:** Conduct periodic surveys to gather feedback from students, parents, and teachers about the app's usability, features, and areas for improvement.
- ❖ **Analytics Dashboard:** Provide administrators with an analytics dashboard to track app usage, user engagement, and performance metrics, enabling data-driven decision-making for future updates and enhancements.