‹Monta Vista FBLA›
Mobile Application Development
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Prompt

Topic: Develop an app for loc

al chapters to manage their chapters.

- The app must include: App Name, About FBLA, Join FBLA (form), Calendar, links to FBLA websites, Local Officer Team, links to Social Media, Competitive Events, Current Events, Sign-up for a current event (form for either competitive event, fundraiser, or community service), Q & A, and Contact Us.
- The app must include a way to track chapter meeting attendance.
- The app must be designed for a phone/tablet.
- The operating system must be mobile based such as Android or iO.
- The app should state its licensing and terms of use.

What our app accomplishes

By using advanced technologies and seamless integration into aesthetic ui, our app allows for a more organized system for local FBLA chapters to manage event signup, personalize and connect with different members, and have easy access to upcoming events in the club. Using QR Codes, we are able to make meeting attendance more efficient and allow for the bonds between members and officers to be enhanced. Using different frameworks and technologies that Apple provides to developers, we were able to integrate them into a cohesive system that would allow for simple navigation and minimalistic graphics.

General Application Features

- Quick, easy, and simple login and sign-up using a functional backend and authentication system
- Easily browse through a personalized calendar, showing upcoming events
- Seamless integration with QR Code attendance for officers to use during weekly meetings
- Connect to your school's FBLA family by contacting the officers and learning more about them
- Browse all of the events that FBLA has to offer and filter/search through them easily.
- Fully functional Q and A card system for new members, who need guidance about the fundamentals of FBLA
- Four main controllers and pages: Calendar, Officer attendance, Search and Q and A, and Settings.
- The Calendar Page allows the User to see upcoming events, where they can sign up to attend.
- The officer attendance page uses QR code technology to allow for efficient and easy attendance taking for members

- The Search and Q and A page allows members to search for competitions and learn about general FBLA information using card stacks.
- The Settings page manages all of the User's information, shows Officer biographies, and has a contact us section for quick and easy connection.

Technologies Used

- Google's Firebase Database for backend support dealing with member sign-ups and storage
- Google's Authentication services for encryption and secure login
- Facebook developer tools for social media integration
- Third-party libraries such as CountingLabels and ADDatePickers to enhance animations and user experience
- Sketch for design of app icon as well as mockups for initial ideas

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Installation

Prerequisites:

- Xcode
- Mac OS
- An iPhone with iOS 10.0.1+ (or Simulator)

Usage:

- Open up XCode and select "Open another project"
- Locate the folder from submission and open the file called "FBLAMAD.xcworkspace"
- After opening it, click on the blue file at the top left that says FBLA
- Then go to Signing and Capabilities and change the provisioning profile to your own developer account
- Edit the Bundle identifier by adding a few random numbers to the end of it
- Click "Try Again"
- If there are any issues at this point, please follow [these instructions](#)
- Now, you are all set to view the demo!
- Press ⌘ + R and wait for the app to load

- Sign in with the test login "mvfblatech@gmail.com" and password "mobileAppDev"
- Browse the app using the tabs at the bottom of the app