

SOUTH FORSYTH HIGH SCHOOL NEWS

Harish Kamath



Hello, my name is Harish Kamath, and I will be representing South Forsyth High School for FBLA Mobile Application Development. I have created an iOS application called South Forsyth High School News, AKA SFHS News, for this project.

Presentation Organization

- Scenario
- Application Usefulness
- Planning Process
- Views
- Application Flow/Design
- Input and Output for the application
- Application Documentation

This is the basic organization of my presentation. I begin with the problem that is affecting our school, how my application can solve this problem, my planning process behind creating the application, and the views, flow and design, input and output, and documentation for the application.

SCENARIO

- 80 extracurriculars offered at South Forsyth High School
- Different forms of communication:
 - School/separate Website
 - Social Media
 - Email/SMS
- There is no central hub which clubs can use to communicate

- * Academic Team
- * Biology Olympiad
- DECA
- * FBLA
- * FCCLA
- * Georgia Junior Classical League
- * German Club
- * German-American Partnership Program
- * Literary Club
- Math Team/Mu Alpha Theta
- * Science Olympiad
- * TSA Technology Students Association
- Honor Societies
 - * German Honors Society
 - * National Art Honor Society
 - * National French Honor Society
 - * National German Honor Society
 - * National Honor

As of right now, there are over 80 extracurriculars offered at our school. These can range from academic clubs, such as Academic Bowl and FBLA, to sports, such as football and soccer. On the right, you can see a few examples of different extracurriculars found on the school website. However, each extracurricular chooses to communicate with its students in a different way. This can be through the school website, their own website, social media such as Facebook and Twitter, or direct contact such as email and SMS. For this reason, there is no one tool which a student can use to be notified of all extracurriculars at once.

- Creates unification of the clubs
 - Hard for a student to juggle extracurriculars and academics
- Majority of students have iOS devices
 - Solves the problem with a tool students are comfortable using

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However, the majority of students at our school do have iOS devices. Downloading an app would be second nature to them, which is the reason why this project would provide a tool which solved the problem and was comfortable to the student.

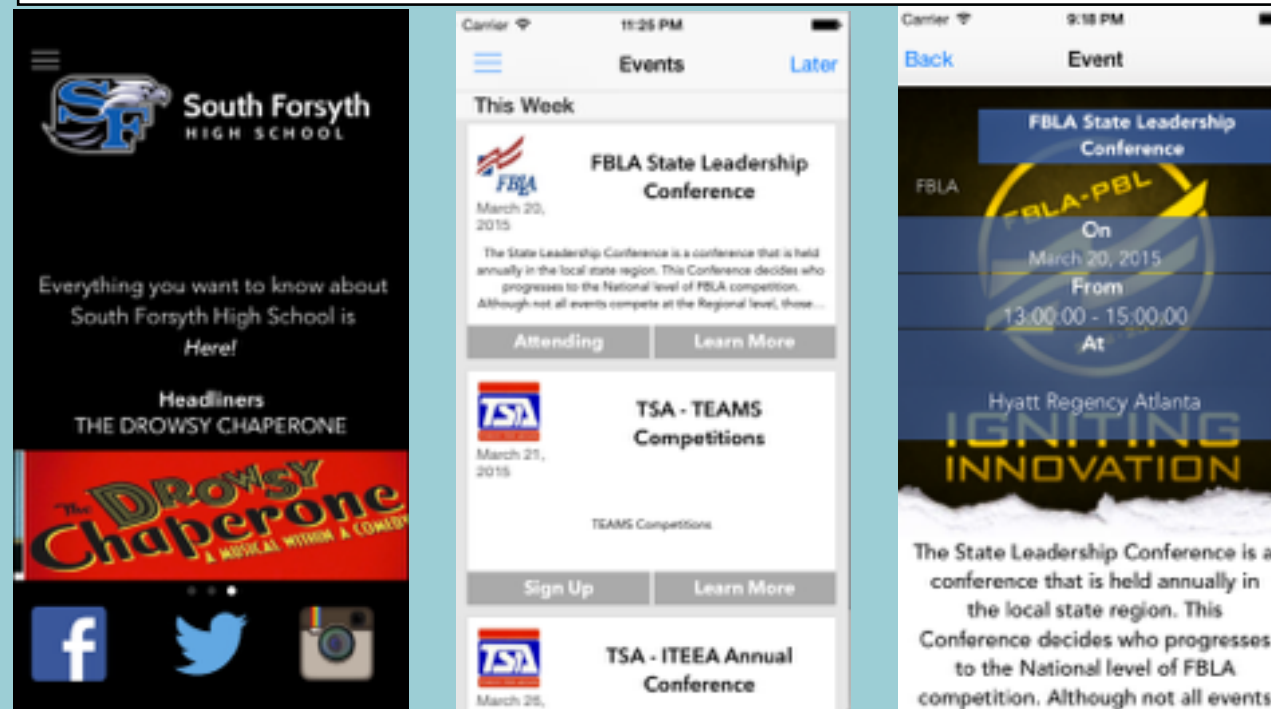
PLANNING PROCESS

- Design, Develop, Test
- Needs to be easy for any student to use
- Simple and well-known design
 - Social media apps such as Facebook and Twitter
- Displays all club information and events



While planning this application, I took many factors into account. Primarily, this application had to be very easy for any student to use. Nearly every high school student with a mobile device has one thing in common: they all have some form of social media, the most prominent being Facebook and Twitter. For this reason, I decided to adopt a design similar to those that can be found in the Facebook and Twitter iOS applications. The most notable adoption is the now-standard sidebar menu which I used for the basis of my navigation, which is similar to the one found in the Facebook application. I had gone through many trials and tribulations while designing and coding the navigation of the application, but ultimately polished the final navigation to be easy-to-use as well as informational. Finally, the application needed to show all information which could otherwise be found on the club's website.

VIEWS



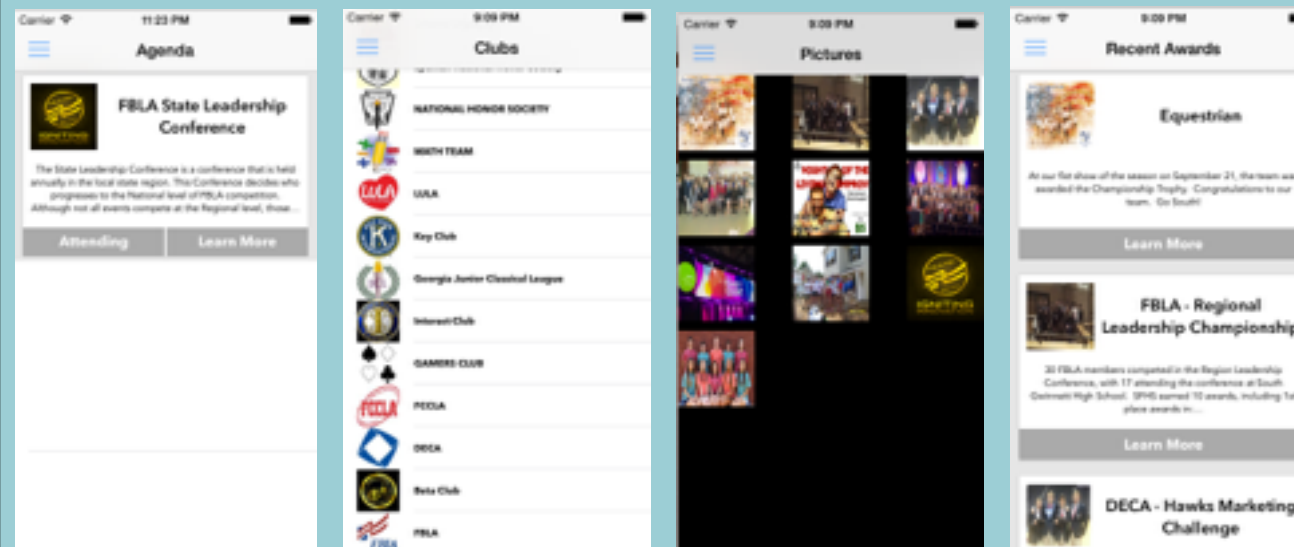
The homepage is found on the lefthand side. When students first open the application, this is the screen that they would be greeted by. It contains the social media of the school, as well as a scrolling banner view displaying the most important upcoming events.

The next view is the events view. This is perhaps the most important view in the application, as it displays all upcoming events across the school, as well as allows the user to either sign up for an event, or learn more about it.

If a person would like to learn more about the event, they would be greeted with a screen similar to the one shown here. This screen displays all of the basic contact information, media, and a brief description of the event.

After reading the event, if you would like to sign up for the event, you could choose to do so back on the events screen. If you do, it will be stored in your agenda.

VIEWS



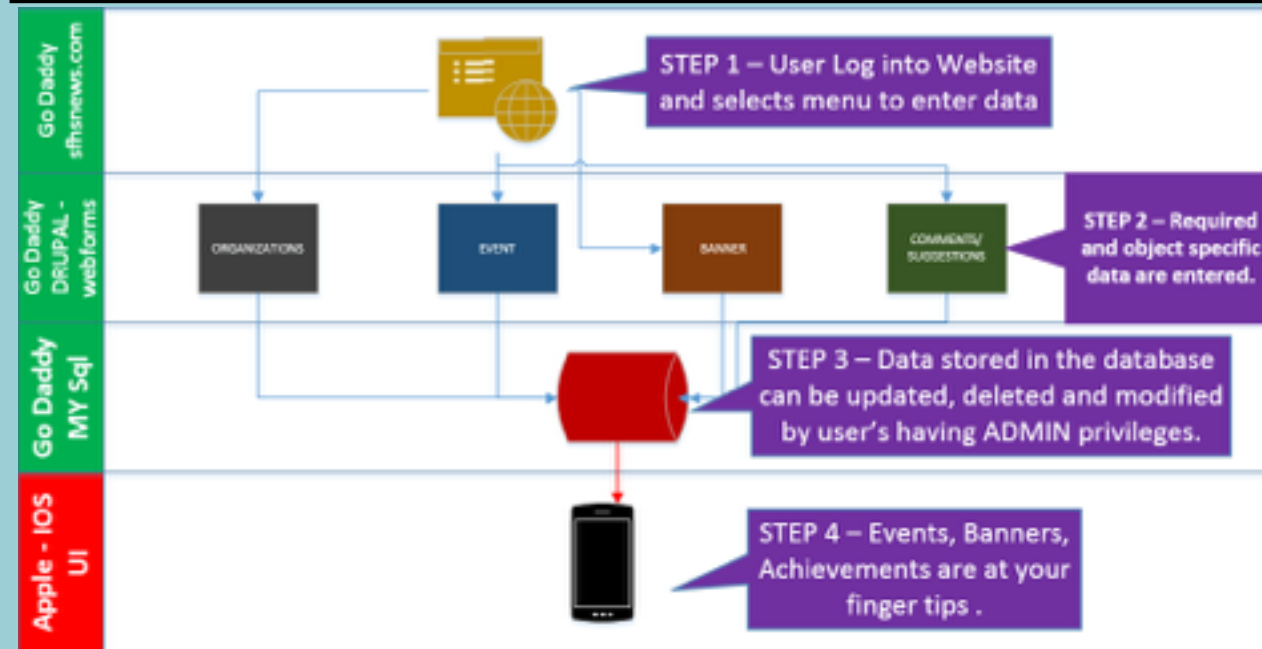
The Agenda view is exactly what it sounds like. It displays all of the events that you have signed up for, and works similarly to the events view.

The Clubs view, as its name suggests, is a view displaying all of the different clubs and activities that a student could join at our school. It also displays, on click, a brief description of the club as well as events that the club is involved in.

The Pictures view is a showcase of all of the different pictures that were taken or pertain to the different events and clubs.

Finally, the Achievements page is like an honor roll depicting the many recent accomplishments school-wide that we have achieved.

APPLICATION FLOW/ STRUCTURE



This is the architectural design of the project, which displays the flow of information. The flow of information begins with my website, sfhsnews.com. An authorized personnel, such as a school or club advisor, logs on to the website, after which they are presented with 4 different webforms. The first three webforms, Organizations, Event, and Banner, allow the advisor to enter information which will then be stored in a database. The fourth webform, called Comments/Suggestions, is a form in which anyone can enter feedback which I can use to improve the application. Finally, whenever a user logs onto their mobile device and opens the application, it is automatically synced with the most recent information from the database.

INPUT AND OUTPUT

A screenshot of the South Forsyth High School website. The header is blue with the school logo and name. Below the header, there's a navigation bar with links like Home, About, and Contact. The main content area shows a form titled 'EVENT' with various input fields for registration details, including name, email, and event selection. The form is white with a light blue border.

- All input is received from the website sfhsnews.com
- All output for application is locally stored
 - Output is synced with database on app launch
- Application parameters
 - iOS 8+, JSON

Input for the application is completely handled by the website. An example of a form that a school official would fill out can be found to the left. Output received from the database is stored locally into the device, until the next connect is possible and data is refreshed. Finally, the only requirements and parameters for the application is that the device runs iOS 8 or greater.

DOCUMENTATION

- Application is user-friendly
- User Manual is available on sfhsnews.com
 - 25-page PDF
 - Outlines basic usage instructions and website structure



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The application is designed so that no prior knowledge or documentation is necessary to use it. However, for those interested, a user manual is available online at sfhsnews.com. This manual is a 25-page PDF which outlines basic usage, as well as website structure and design of the application. On the right is the table of contents for the manual.

QUESTIONS?