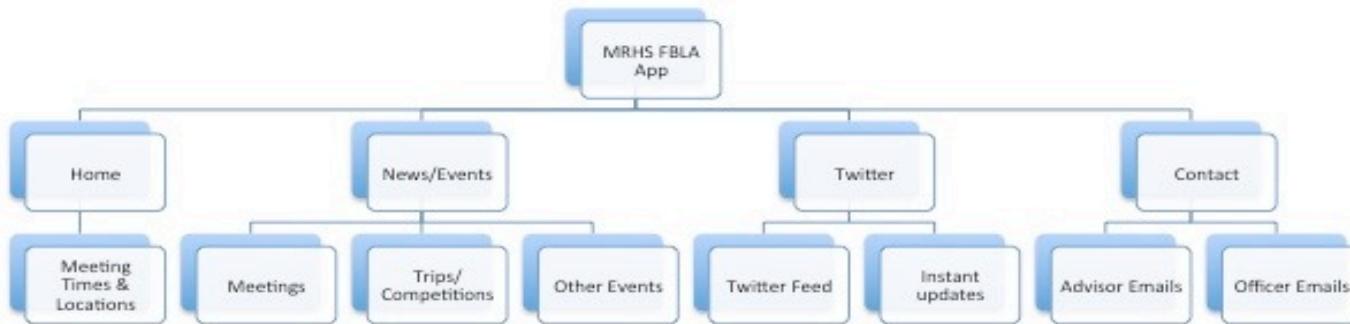


Criterion D: Product design—Overall structure

Overall Structure

The following mobile application model and backend site map show the overall structure of the MRHS FBLA mobile application that was approved by Ms. Kelley Gates. It is designed so that Ms. Gates will be able to update the app information via a Webs website without working with application code.

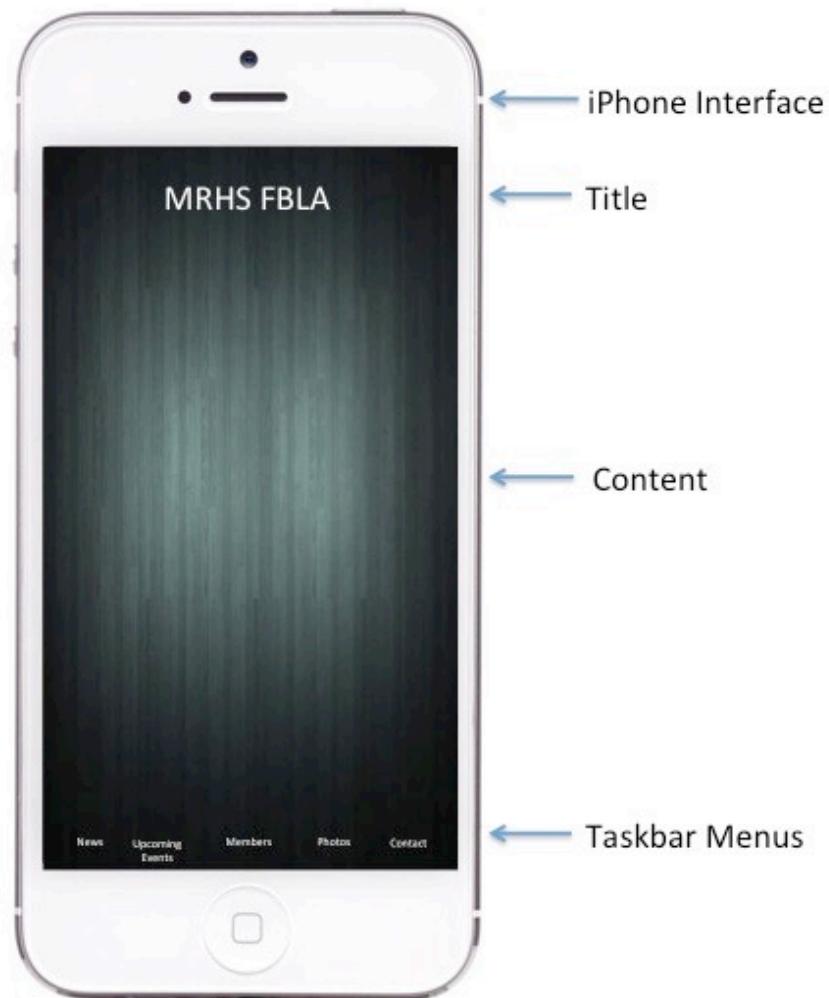
Overall structure of MRHS FBLA Mobile Application



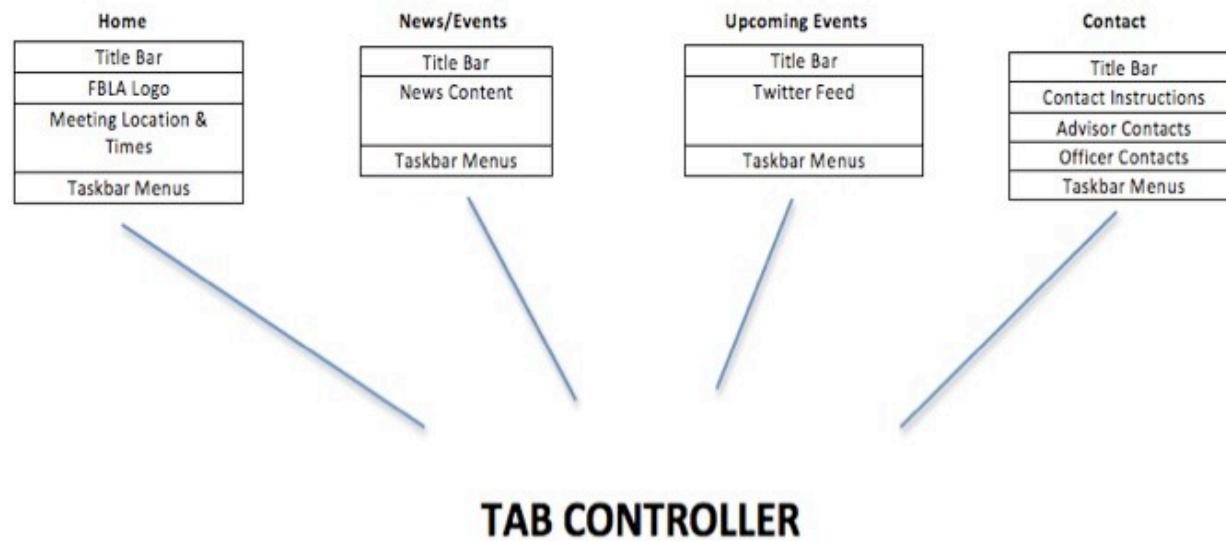
Overall structure of MRHS FBLA Backend Website



Overall structure of the actual Mobile Application



Internal structure



List of resources and techniques

Resources	Details
Xcode	Provides the environment in which to build the application
Data	Images for Meeting Times & Locations, News/Events embedded Webs site, Embedded Twitter feed, Contact information for Advisors and Officers

Techniques	Details
Use of Objective-C Programming Language	Actually encoding the site with functionality from within Xcode
Manipulation of Graphics	Creating the App icon for iPhone Home Screen, Spotlight search, and Settings.app view
Navigation using frames and customized buttons	Using buttons disguised as names that, upon tapping on them, will transition to a mail composer view for members to communicate with advisors and officers
Integration of components using advanced features from other applications	Embedding the News/Events Webs site as a mobile site into the App. Embedding the Twitter feed from the Safari web browser with UIWebView controller

Test plan

Test item	Test data	Part of system tested	Expected outcome	Actual outcome	Comments	Ref in product
Cover page testing – REQUIRED ELEMENT FOR CRITERION G						
Different tabs load from the home screen	Hyperlinks are encoded from within the app	Links on home screen are effective	Loads as required from 3 different locations	Yes		
Product testing						
News/Events Webs site view loads promptly	Displays home page in mobile view	Hyperlinks	Slideshow begins	Yes	Slower loading than desired	
Contact Information appears accurately	Links should open up mail app view	Hyperlinks	Mail app should open with email ID	Yes		
Twitter Feed	Data should be retrieved from Twitter.com and presented in Safari web browser form	Hyperlink	Twitter in mobile form appears	Yes		
Templates	Templates appear correctly on all screens of the app	Templates	Fonts and positioning of text is consistent	Yes		
News and Upcoming Events	Each news story along with events from the calendar should appear accordingly	Hyperlinks	News should be displayed in an aggregate form and upcoming events should be available as a scrollable list	Yes		

Agreement of client

I confirm that the requirement specification meets my needs
and the designs above are appropriate for the creation of the product.

