

## Introduction

The purpose of this document is to **propose, plan and document** a mobile application that will offer personalized services that are either not offered by or will enhance the main website (Link I) in development. The development team is suggesting this project to the AFCEA staff as a solution to some of the limited capabilities of the website development platform Wix. The plugins/templates available in Wix are sufficient for most cases, but it cannot entirely replace the customizability of coding. This document will also include challenges and possible solutions that the staff of AFCEA should carefully evaluate to determine the option for the mobile application that best fits their needs. As of March 1 2020, this document has proposed **2 project ideas** to enhance the user experience and promote community engagement between AFCEA Hawaii with its members. This document is open to suggestions for new features on already proposed project(s) or new project ideas altogether.

## Challenge I: iOS or Universal

1. This section will discuss the challenges and benefits in the selection of a mobile platform. The main developer of this project (Kevin Chevalier) has in-depth experience with **iOS development**, which is dedicated to producing mobile applications for Apple products including iPhones and iPads. A project with this platform can be expected to have **more features** and to be completed in a **shorter time period**. The drawback is that the application will **not be available to Android users**.
2. The other option is to develop a **universal application** for Apple and Android devices using several available platforms . The drawback is that no member of the team is experienced with development of this platform and **additional time** will be required to gain the experience. However, the development team is **motivated** to learn about this new platform and there should be **sufficient time** to produce a universal app given the time constraints with **some functionality**.

## Project I Concept: Event Engagement

**Application Name:** *AFCEA HI Events*

**Website Implementation:** The website has two types of users: the public user and the administrator. On the public side, the main functionalities are event lookup and information delivery with content such as descriptions and dates. The team is currently deciding on adding new features to increase the engagement of the events, but it may be difficult to find suitable plugins to achieve this. On the admin side, events can be inputted and updated with an administrative login.

**Objective:** The objective of this project is to add the current features listed above from the website and also supplement additional features with engaging interactivity with other users in a mobile application. The application will provide a personalized environment for the user.

**Proposed Features:**

- Login/registration page
- Update profile page
- List events
- Interact with event (like, love, interested, planning on going)
- Comment on specific events
- See other users' comments and interactions (how many likes and so on)
- Receive notifications about new events on their device
- Receive reminders about events they are interested in going to
- Sort events by time and interest

## Project II Concept: General Features

**Application Name:** *AFCEA HI*

**Website Implementation:**

**Objective:**

**Proposed Features:**

- Events (See Project I Concept)
- Member Directory
- Community Calendar
- Corporate Directory

## References

Link I: <https://wlemus13.wixsite.com/afcea>