

Proposal for the first capstone project

This proposal is for the creation of a website that revolves around martial arts. The goal of this application are twofold:

1. To serve as a source of information about a range of martial arts. The types of information contained in it would be:
 - a. A calendar of martial-arts-related events: Competitions, seminars, mixers, etc.
 - b. History of the arts, milestones, notable figures who contributed to the arts
 - c. A directory of dojos, i.e., martial art schools, containing leadership information, dojo locations, classes, contact info, pricing, etc.
 - d. A photo and video gallery of related individuals, art techniques, art weapons, etc.
2. To serve as a community meeting place for martial arts enthusiasts, where they can learn of relevant news, post news of their own, and post comments and questions.

In order to implement a sense of community of likeminded people, the site will offer user registration. For sites visitors who will respond to this option, the site will encrypt identifiable user information, including but not limited to usernames and passwords.

The anticipated demographics of the site visitors would be people of all ages, who are enthusiastic about martial arts.

The API used in the site is offered by <https://zenquotes.io/>. This site offers inspirational quotes, that can speak to the state of mind that is often encouraged of practitioners of martial arts, and of people who may encounter a conflict requiring them to implement the skills of a martial artist. In addition, the site may also use APIs of business directories, for the purpose of locating dojos.

The following page shows the proposed entity relationship diagram of the database the application will be using.

