**ClubHub Abstract**

Our team began this project with one overarching idea in mind: IU did not possess an adequate medium through which students could learn more about the hundreds of ways to become an active member of the IU community. The only resource was the BeInvolved website, which we determined to be lacking in club information and difficult to use for mobile users. With these issues in mind we decided to create ClubHub, a location based club application that would gather club information into a centralized medium that could help users find clubs and activities near them.

**Main Purpose**

We focused on designing our application around a location based method with the assumption that students were much more likely to join a club or organization that was located within walking distance, as many don’t have consistent access to motorized transport. The easiest tool to use for this feature was the Google Maps API, which is thankfully free for any to use. With some intricate code work we were able to embed a map into our application and produce pins for any of the clubs at their meeting location. This allowed us to implement another main feature of our application, the ability to create clubs. By navigating to their home screen, users could then select the create club option and, after entering the required information, be able to have their own club displayed on the map.

**Supporting Features**

The rest of our application’s features revolved around supporting a user’s ability to find information about the clubs located nearby, with the Browse Clubs screen providing the means of browsing any results the users had from the map page. After selecting a club a user was presented with a club homepage featuring a title, description, join club, and create event options. Viewing a club’s events would allow users to browse any upcoming events by location in a manner similar to the original map screen, and users would be able to create and view their own events as well.

**Miscellaneous Features**

Our application included additional features such as a privacy policy, a my clubs page, and a user account page, each of which focused on providing the user with easy access to both information about clubs they were interested in and about their account privacy within our application. Additionally there was an About ClubHub page that offered a small description of the group, as a small acknowledgement of all the work we put in to the project