411 Project Idea

Group 7

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**Running app** (Safe route app)- Our app would identify routes for runners in their specified area. In order to create an accurate route, the user would enter the distance they want to run. ~~We would use established API’s from other running apps in order to generate the route.~~ We would then pull from an API such as “spot crime” to determine what areas to avoid based on criminal statistics for the user’s particular area. This safety feature is lacking in other running apps and it will allow runners to feel more secure while they are working out.

Note: Since we later realized that there are no existing running apps that have the route creation feature in a non-beta stage, we parsed through the code from routeloops.com to get and integrate the code necessary for the route generation portion of the app.

Safety component: <https://www.programmableweb.com/api/spotcrime>

Third party authentication: Facebook

Other running apps (examples):

<https://strava.github.io/api/v3/routes/>

<https://developer.underarmour.com/>

<https://developer.nike.com/content/nike-developer-cq/us/en_us/index/documentation/api-docs.html>

**Events app** - This app will suggests events near you based on your interests(some categories you selected) and moods of the day collected from newsfeeds(facebook or yelp). It will tell you how far the location of the event is from you. And the time and an introduction of the event is also shown. You can also share the event you want to go with your friends. The main difference from this app with others like Yelp is that it will suggests events that you don’t know, but might like without searching by yourself.

APIs:

Yelp dataset: <https://www.yelp.com/developers/documentation/v3/get_started>

Google map: <https://developers.google.com/maps/>

Third party authentication: Facebook