User Cases:

1. New runner: Short distance and low elevation levels → free route/make your own route
2. People who only have time to run at odd hours (very early, very late): low elevation levels → doesn’t use third party authentication
3. Experienced runners: Varied distance, varied elevation levels
4. People who’ve used the app before/ a lot: access profile, access favorites

(a) New runners may just want to run when they open the app. They may not want to set up their personal data or choose a route. So, they hit the “continue as a guest” button, which just shows the criminal condition on the map. While they are running, the app will follow the route on the map. The starting point and distance run will be shown after finished. If they decide that they want to save the route, the system will then ask them to log in through Facebook.

(b) It is late at night and the user doesn’t want to bother logging in via the third party authentication, so the user chooses to use the app without logging in (as a guest). The user is directed to the Route map screen where the user is allowed to plan their route. The user inputs the distance and can choose between the generated routes. The user can use the Show Crime button to assess recent crime in their vicinity and determine which route to take. Since the user did not log in, post-run the user will be provided with the starting point and distance of their run, as well as a run route again/run new route options, but they wouldn’t be able to save the route (if everything were connected and working the way it’s supposed to).

(c) The user is an experienced runner who enjoys various intervals/terrain. They open the app and choose the new route screen to enter in distance and perhaps change the elevation. The app creates as many routes which match the requested specification as the user wishes. When the user is finished with their run, the user hits the end route button which takes the user to an end page. If the user wants to save the route they ran, but isn’t logged in yet, they will be prompted to log in before being able to save the route.

(d) The user opens the app and doesn’t need to retype their Facebook login, because the app kept them logged in. Under the favorite routes displayed in their profile the user can see a list of routes they have saved previously. They can see the name of the route, the starting point, and the distance of the route. The user is able to select the route they want, which will take them to the map/route page with their route already loaded on it. If they look at the crime data in the area and want to change some portions of their route, the user is able to simply drag the route to where they want it to be (and this will most likely change the total distance of the route). Therefore, once the user is done with the route on the end page they are able to save this modified route to their favorite routes if they so choose.

(Modified to reflect a very different set of user stories from our very original actual running app idea, as opposed to safe route generator for running)