

While there is an abundance of information on the statistics of sexual assault and violence towards women, the current state of protection is limited. According to rainn.org, there are 321,500 victims aged 12 or older of rape and sexual assault, yet most advice on preventative measures are based on assumptions that the victim was at fault for putting themselves at risk. A quick Google search for “sexual assault” returns news articles that almost always contain the keyword, “alone,” so it can be assumed that a good preventative measure for this key cause is to not be alone.

To accomplish this task, there will need to be a matching system based on location and walking destination that allows users to search for, and match with other users – according to [this quora question](#), Uber uses the Google Maps API to add map functionality to their app, but switched to MapBox after some pricing confusion. Regardless, these two products are both extremely easy to use – the difficulty lies in live updating location for more than one user.

Taking a look at the form of this app, we can again look to Uber for inspiration. Since the main functionality is location-based matching, the main landing page will be a map. The remainder of the user experience will be designed around the concept of material design for a coherent set of guidelines. According to these principles, there exists a visual language that “synthesizes the classic principles of good design with the innovation and possibility of technology and science.” Of course, it is really just Google’s design philosophy, but it works. Uber has a similar approach (especially with their use of Google Maps API), but slims down the experience to a flat, black and white UI. Text is easy to read, and menus are simple.

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