“UBeingSafe”

System Request Statement / Planning Phase   
(Homework No.1A)

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Submitted in partial fulfillment of the requirements of the INFT 2303: Systems Analysis and Design course project.

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| GitHub repository | https://github.com/ADA-SITE-INFT2303-2023-Spring/homework-1a-UlviyyaMammadova |
| Version date | Version information |
| 11.02.2023 | Initial draft |
| 12.02.2023 | Final Draft |

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| Project sponsor |
| Ulviyya Mammadova, on behalf of Prosecutor General’s Office of the Republic of Azerbaijan |
| Business Need |
| For centuries, it has been a very difficult issue to ensure the safety of women and children both in our country and around the world. Currently, due to lack of security cameras in our country, the number of children who are sexually assaulted, who are tricked into using and selling drugs[[1]](#footnote-1), who are stolen by deception in school exits and parks[[2]](#footnote-2), and the number of women who are assaulted in lonely areas late at night is quite high. It is well known that parents and women always worry about this issue for a long time. For solving this problem, we introduce an application called “UBeingSafe” which will help:   1. Parents who send their children to certain places alone 2. Women who return home late at night 3. Children who are afraid of being alone |
| Business Requirements |
| “UBeingSafe” is an application which is monitored by the government and the police departments. It is based on the system called “electronic tagging”[[3]](#footnote-3) which is also widely used in Azerbaijan on criminals[[4]](#footnote-4) by police to track them. The system works with GPS, and criminals must carry little, pocket size PTD and electron bracelet[[5]](#footnote-5); however, as We mentioned, it is only tracked by the police. This application allows citizens to take advantage of this tracking system. “UBeingSafe” provides the user with:   * Entering, searching the location or using the current location while running the app * Being able to see people (without their data) with post-imprisonment, suspended sentence, parole, conditional releases (criminal records of child kidnapping, drug dealing, high sex offending, robbery) within 50 meters * Alerting the nearest police department immidiately if any of the crimes above happened * High volumed alarm system that is started when the user shakes three times while the application is running.   This application also has a premium(user should pay) version with additional features which provides citizens the features that are listed below:   * User can see the list of the lawyers that the government provides. * In case of any of the crimes that I listed happens, user is able to contact one of the lawyers. |
| Business Value |
| We expect “UBeingSafe” provides users with the safe environment that they wish for. It can eliminate the number of crimes that is redone. Parents of underage people can track and ensure that if their children are safe or not. Also, after being able to see nearby criminals, women can decide whether the way or time is safe to return or not. The application also assists the police officers to take an immediate action without losing time.  The premium version of the application increases the benefits for government to cover the costs of using GPS, electronic bracelets which are quite expensive. |
| Special Issues or Constraints: |
| There are few drawbacks that can be faced while using the application:   * The battery of PTD and electronic bracelet can die and make the users unable to see the criminal’s tracks. * GPS system can lag or show inaccurate location. * Users should get a special allowance from the government before installing and using the application. It prevents some people to deceive police officers or using it for bad intentions. |

1. <https://m.modern.az/az/news/101236> [↑](#footnote-ref-1)
2. <http://www.anl.az/down/meqale/xalqcebhesi/2014/may/367858.htm> [↑](#footnote-ref-2)
3. <https://en.wikipedia.org/wiki/Electronic_tagging> [↑](#footnote-ref-3)
4. <https://frameworks.e-qanun.az/38/f_38559.html> [↑](#footnote-ref-4)
5. <https://www.cep-probation.org/wp-content/uploads/2018/10/WC2A-Case-Study-of-GPS-Monitoring-Program-in-South-Korea.pdf> [↑](#footnote-ref-5)