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| University of the West of England |
| Find Me – Emergency Location App |
| Software Engineering for Business - 6F3B  Liam Upstone-Smith - 21017958 |

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## Introduction

IMPROVE -- 300-600 words

In an increasingly interconnected world, the ubiquity of mobile technology has opened new avenues for enhancing personal safety and emergency responsiveness. This dissertation introduces an app designed to leverage the pervasive nature of smartphones to provide a critical lifeline during emergencies. There were 9,080 offences of rape reported to the metropolitan police in FY2022/2023 (Metropolitan police, 2023) as well as in 2022/23 there were 1,122 child abduction offences and 7,420 kidnapping offences reported by the police (Statista Research Department, 2023).

The app allows the users to, in an emergency, transmit their location to a predetermined list of contacts allowing them to find and help the user. “Find Me” aims to help prevent these crimes in addition to helping those who may have been affected by natural disasters. After an earthquake if someone was stuck under lots of rubble, sending their location to family and friends may allow them to be found more efficiently, possibly saving their life.

## Method

Risks

Suitable tools and methodologies

Ethics

Version Control Strategy

Throughout the development of this project, I have been uploading the documents to GitHub for version control. GitHub allows me to compare, update and distribute any recorded version at any time. This is crucial for maintaining a reliable history of the project’s development [Git vs GitHub – What is Version Control and How Does it Work? 2020].

## Research

Primary Research

Secondary Research

* how people feel unsafe at night, dark, alleyways, rape, kidnappings
* earthquakes, trapped under rubble.
* whitepapers/relevant literature on GPS
* whitepapers/relevant literature about how android studio is being used.

## Requirements

Use-Cases

* use case diagrams (woman late at night, person in a county prone to earthquakes, people cave diving, children)

Functional Requirements

Quality Assurance

## Design

Software Architecture

UML Diagrams

Wireframes

UX Design Map

## Results

## Conclusion

## References

Git vs Github – What is Version Control and How Does it Work? (2020) *FreeCodeCampe.org* [online]. 19 August. Available from: <https://www.freecodecamp.org/news/git-and-github-overview/> [Accessed 23/04/2024].

Metropolitan Police. (2023) *End of Year 2022/23 TNO crime Dashboard* [online]. London: Metropolitan Police. Available from: https://www.met.police.uk/sd/stats-and-data/met/year-end-crime-statistics-22-23/ [Accessed 23/04/2024].

Statista Research Department (2023) *Number of Child abduction offences in England and Wales 2002-2023*. Available from: <https://www.statista.com/statistics/303536/child-abduction-in-england-and-wales-uk/> [Accessed 23/04/2024].