**Taxi Sharing Application**

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**Abstract**

**Acknowledgments**

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# **Chapter 1: Introduction**

Taxi sharing, a method of transportation that is a cross between a bus and a taxi. Meaning a taxi will pick up multiple people, either at the same location or multiple along the way, then drop them off at their desired location so long as they are all in the same general area. To give some additional information, taxi sharing is more beneficial than traditional taxis as each patron pays a cheaper fee if the ride is shared with other passenger. Furthermore, the cab driver is paid by each individual passenger meaning that they end the day with a greater income.

The honours project for COMP4905 that was completed this semester was to design and develop a taxi sharing application for an Android device. The focus of the project was on research and design, to determine what applications already existed with this concept and to design an application that functions on multiple different device sizes for a wide range of individuals. A back-end communication system was implemented however, there was minimal attention paid to it as it was not the focus of the project. This project was done in tandem with another student, Moh Gahelrasoul, with an even split in the division of labour. His task was to implement the driver portion of the application as well as to implement the back-end communications. The other half, which will be the focus of this report, was the passenger side of the application

# **Chapter 2: Background**

# **Chapter 3: Main Contribution**

# **Chapter 4: Implementation**

# **Chapter 5: Conclusion**

# **References**