

# Carpooling As A Solution for Rising Transport Costs and Traffic Congestion

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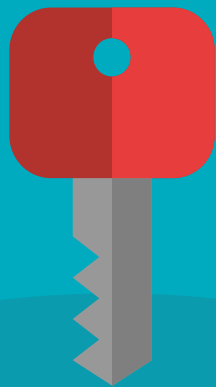
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01

# Abstract



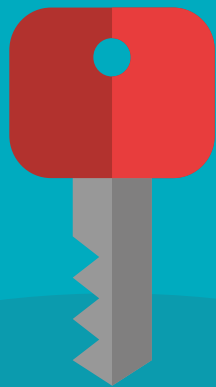
# Abstract

- Rising transportation costs
- Carpool app serves as a long-term solution
- Reduce costs, traffic congestion and pollution



02

# Introduction



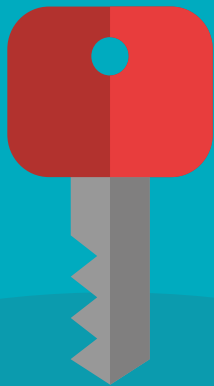
# Introduction

- Rising transport costs brings solutions for cost cutting
- Purpose of Report
- Intended Audience



03

# Project Vision



# Project Vision

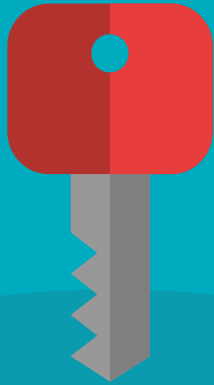
- Domain Overview
- Problem Statement
- Problem Elaboration
- Goals and Objectives





04

# Literature Review



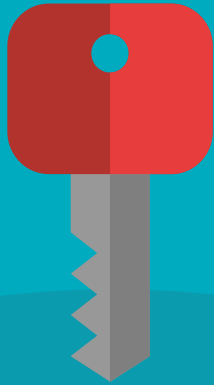
# Literature Review

- Haroon (2023) discusses the sustainability of carpooling
- Papers linking traffic congestion to large number of vehicles
- Pollution then caused by these vehicles



05

# Response To Survey



# Response To Survey

- 76.9% were concerned about petrol prices affecting their daily commute
- 92.3% said that transport by car hailing apps not sustainable
- 69.2% likely to use a carpool app as the main mode of transport



06

# Implementation of Carpool Solution



# Implementation

- login/signup
- Connect with other people near you and have similar schedules
- Designated driver and passenger
- Payment



07

# Conclusion and Future Work



# Conclusion and Future Work

- Long-term solution for the problems
- Scalability
- User Base Expansion
- Environmental as well as Congestion Analytics







**THANK  
YOU!**