**User Requirements Specification**

**For The**

**Vanpool Service System**

By

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Revision History

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| --- | --- | --- | --- |
| **Rev #** | **Description** | **Prepared By** | **Date Approved** |
| 0 | Initial Issue | M. England | 2/28/19 |
| 1 | Updated format to reflect that discussed in class | M. England | 3/28/19 |
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# 1 Purpose

This is the User Requirements Specification for the Vanpool Service System, for use by the Fundamentals of Software Engineering Course. The User Requirements Specification includes the requirements which were outlined in the project scope.

# 2 Scope

This User Requirements Specification applies to the Vanpool Sharing System. The URS will address the functions identified in the initial project scope and will not include additional features that are added to the project.

# 3 Definitions

See below for the acronyms and definitions of terms utilized in the subsequent portion of this document…

URS - User Requirements Specification

VSS - Vanpool Sharing System

# 4 References

See below for references used in this document, including those utilized to create this document…

[FastVal User Requirement Template](http://www.ofnisystems.com/FastVal-User-Requirement-Template.pdf)

# 5 Overview

The following lists the basic capabilities of the VSS...

* Users, drivers, and system administrators are capable of creating accounts
* Authentication, Forgot password, Security Questions
* Addition of Vans / Vehicles. Owned, Shared
* Driver Management and assignment to vehicles
* Location Management
* Search From and To
* Cost Savings Calculator
* Passenger Management and Ridership
* Van/Vehicle Riders Management
* Basic Billing
* Sys Administration tasks

# 6 Business Objective

The objective of this service is to create a low cost alternative to the vanpool sharing services that currently are available for the University of Iowa. In addition, an updated vanpool sharing service will encourage locals in the Iowa City and surrounding areas to not use their personal automobiles. This will lead to decreases in the pollution contribution, parking issues, and cost of living for those in the surrounding areas.