Group Project 1b - Stakeholder Document

**CARPOOLING**

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Carpooling

Stakeholder Requests

Version 1.0

Revision History

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Stakeholder Requests

# Introduction

## Purpose

The main purpose is to provide a source for students to get rides or carpooling using a mobile application. The rides availability depends on the rides being posted in the application provided by other students to help the other students of UHCL who are in need of ride.

## Scope

The main objective of this application is providing students a platform for solving an issue of not finding a transport to travel by knowing students who provide ride and students who want rides. The rides wanted by a student can be checked or posted if they need in application and can check the best deal who or which student is offering and can opt that particular ride and can go happily to his or her destination with a lower price as we can see different drivers posting different prices. This helps the rider to choose the best of it and even we can check previous ride rates too for that particular destination provided if any. The payment for the ride will be totally between the driver and rider. A platform can be provided where they can share their views by commenting on a particular ride and how did they feel.

## Definitions, Acronyms, and Abbreviations

UHCL : University of Houston Clear Lake

GUI: Graphical User Interface

## References

1. Leffingwell Dean, Widrig Don; Managing Software Requirements: A Use Case Approach, 2ed

## Overview

The rest of the document explains the problems, how to assess that problems. It also contains the user environment and the inputs on the stakeholder’s problem by the analysts. It will explain in detail all the problems related to carpooling application.

# Establish Stakeholder or User Profile

|  |  |
| --- | --- |
| **Name** | John White |
| **Company / Industry** | XYZ Corporation |
| **Job Title** | Project Manager |
| **Key Responsibilities** | Manage the project deadlines, budget and check on the project progress |
| **Deliverables** | Project Requirements, Final Project |
| **Success Measurement** | Delivering the project with assigned timeline and budget |
| **Problems Interfere with Success** | Changing requirements and time and resource management |
| **Trends that make Job Easier or Harder** | None |

|  |  |
| --- | --- |
| **Name** | Anne |
| **Company / Industry** | XYZ Corporation |
| **Job Title** | Senior Developer |
| **Key Responsibilities** | Implementation of code based on designs given by the business analysts |
| **Deliverables** | Running project |
| **Success Measurement** | Delivering the project with assigned timeline and designs |
| **Problems Interfere with Success** | Changing requirements and time and resource management |
| **Trends that make Job Easier or Harder** | None |

|  |  |
| --- | --- |
| **Name** | Johnny |
| **Company / Industry** | XYZ Corporation |
| **Job Title** | Business Analyst |
| **Key Responsibilities** | Design and analysis of the requirements collected for the project |
| **Deliverables** | System Designs, UML Designs, DFDs |
| **Success Measurement** | Delivering the project design with assigned timeline and requirements collected |
| **Problems Interfere with Success** | Changing requirements and time management |
| **Trends that make Job Easier or Harder** | None |

|  |  |
| --- | --- |
| **Name** | Jill |
| **Company / Industry** | XYZ Corporation |
| **Job Title** | Testing Lead |
| **Key Responsibilities** | Testing and tracking defects and reporting it back. |
| **Deliverables** | Test Planning, Test Cases, Test Report, Defect Report |
| **Success Measurement** | Delivering the project defects with assigned timeline and tools |
| **Problems Interfere with Success** | Changing designs and time limit |
| **Trends that make Job Easier or Harder** | None |

# Assessing the Problem

|  |  |  |  |
| --- | --- | --- | --- |
| **For which Application Type problems you lack** | **Why does this problems exist?** | **How do you solve it now?** | **How would you like to solve it?** |
| Use the already existing maps or create a new interface for the maps | Already an API of maps is available | Use a particular method to develop new that certain area map | With the help of old maps develop new features. |
| The dynamic changes in the maps | New routes emerging | Use updated routes | Add a feature of automatically update the routes |
| GUI almost same for all the available applications | Many applications already exists | Using new components for GUI | Using a survey from the users how they want the application to be. |

# Understanding the User Environment

* Who are the users?

Students

* How many users are willing to share a ride?

Will be based on a survey

* Are users experienced with this type of application?

Yes

* Which platforms are in use?

Web application, Android, Iphone, Windows

* What are your plans for future platforms?

Will offer compatibility as per new version releases of the softwares.

* Are the users comfortable to share the ride irrespective of the gender?

Will be based on the survey.

* Which additional applications do you use that we need to interface with?

The third party payments.

* What are your expectations for usability of the product?

Easy to use

* What kinds of hard copy and online documentation do you need?

Documentation and web online help

# Recap for Understanding

* You have told me
  + Payment options must be secured
  + Payments should be handled by the third party
  + Security about the users must be an important feature
  + The rides must be only from and to the UHCL
  + The GUI must be different from the existing applications
* Does this represent the problems you are having with your existing solution?

This application is only for the UHCL campus and the UHCL students.

* What, if any, other problems you are experiencing?

None

# Analyst’s Inputs on Stakeholder’s Problem (validate or invalidate assumptions)

The GUI of the present carpooling applications is somewhat similar. The development of GUI in a different way and which allows the users only to communicate in and around the UHCL campus because of the security factors.

The security factor being the most important, the features provided can be one click to the police, emergency contacts and sharing the ride details with your close ones. So far the applications which are present do not provide enough security. The rider can also choose whether he or she wants to share a ride with the same gender and wants a same gender driver. The start and the end of the ride will be notified to the emergency contacts provided while registering of the user automatically.

# Assessing Your Solution

* Developing a new GUI using new platform.
* Implementing new as well as existing features from the old applications.
* Interactive GUI components.

# Assessing the Opportunity

* Who needs this application in your organization?

The students of UHCL will be using the application

* How many of these types of users would use the application?

All the students of UHCL will be using it.

* How would you value a successful solution?

A successful solution will help to implement the requirements in the form of designs and then those designs will help implementing the application.

# Assessing Reliability, Performance, and Support Needs

* What are your expectations for reliability?

The application should not crash and be available 24\*7.

* What are your expectations for performance?

The application should be fast and efficient in terms of operations.

* Will you or others support the product?

Help will be given throughout the support and maintenance phase.

* Do you have special needs for support? What about maintenance and service access?

Documentation as well as online web help will be available 24\*7.

* What are the security requirements?

The payment security will be handled by the third party and the riders safety will have various options.

* What are the installation and configuration requirements?

Operating Systems: Mobile Platforms like Windows, Android, IPhone

* What are the special licensing requirements?

None

* How will the software will be distributed?

Link will be available with the UHCL administrators.

* What are the labelling and packaging requirements?

Our company as well as the UHCL logo will appear at each time at the start of the application

## Other Requirements

* Which, if any, regulatory or environmental requirements or standards must be supported?

The application will undergo UHCL regulatories.

* Can you think of any other requirements we need to know about?

None

# Wrap-Up

* Are there any other questions I should be asking you?

None

* If I need to ask follow-up questions, may I give you a call?

Yes

* Would you be willing to participate in a requirements review?

Yes

# Analyst’s Summary

1. Security of the users.

2. Secure payments via third party.

3. Availability of the rides at the time needed.