InfoTraffic Application

Vision

Version 1.0

Revision History

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| --- | --- | --- | --- |
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# Introduction

## Purpose

The ITA allows its users to submit traffic alerts into a central database, from where himself and other users can read it and adapt their driving accordingly.

## Scope

* Create an intuitive, simple and user friendly UI
* Create an efficient, extremely responsive client-server application
* Create a system that is able to communicate with many users without impacting its peformance.

## Definitions, Acronyms, and Abbreviations

ITA – InfoTraffic Application

Further, more specific definitions can be found in the Glossary

## References

For further information, please see the other documents regarding this project. These are the Glossary, the Supplementary Specification and the Use Case Model documents.

## Overview

The document further presents the description of how the application should be constructed.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Lack of information about the road ahead |
| affects | Any person who drives in on a regular basis |
| the impact of which is | The creation of traffic congestion, due to drivers not knowing to avoid certain areas |
| a successful solution would be | An application which gives them real time updates of traffic by other drivers |

## Product Position Statement

|  |  |
| --- | --- |
| For | For people who drive on a regular basis |
| Who | Would like to increase their safety while driving |
| The (product name) | InfoTraffic app |
| That | Gives their users the ability to see traffic incidents submitted by their fellow drivers in real time |
| Unlike | Google Maps or Waze |
| Our product | Has a simplistic, intuitive UI so that the driver is not as distracted from the road |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Development team | Designers, coders, testers of the system | Are responsible for designing, implementing and debugging the application. |
| The police | Monitors traffic and keeps it in check, would want to know if their radar stations have been discovered | No responsibility inside the project. |
| Emergency services | Are a core part of the participants to the traffic and have as direct necessity to reach their target | No responsibility inside the project. |
| A city’s traffic managers | Need to adapt the road’s elements to create a fluent traffic to avoid congestions in important parts of the city. | No responsibility inside the project. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Admin | Advanced-user | Can delete certain database entries which the standard users don’t | Self |
| User | Main user | Use the app to get information about the status of the road and submit reports for this information database | Self |

## User Environment

The users of the application are drivers, who use the application on their mobile devices during driving.

# Product Requirements

The ITA should be able to run on any device running Android OS and having an internet connection.

If the user’s devices’ hardware is outdated, the application might have some level of lag or not work at all.