

Virtual Reality--Texting While Driving

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Table of Contents

[1. Abstract 2](#_Toc462649324)

[2. Report Revision History 3](#_Toc462649325)

[3. Problem Statement 4](#_Toc462649326)

[1. Business Background 4](#_Toc462649327)

[2. Needs 4](#_Toc462649328)

[3. Objectives 4](#_Toc462649329)

[4. Requirements 5](#_Toc462649330)

[1. User Requirements 5](#_Toc462649331)

[1. Glossary of Relevant Domain Terminology 5](#_Toc462649332)

[2. User Groups 5](#_Toc462649333)

[3. Functional Requirements 5](#_Toc462649334)

[4. Non-functional Requirements 14](#_Toc462649335)

[2. System Requirements 19](#_Toc462649336)

[1. Functional Requirements 19](#_Toc462649337)

[2. Non-functional Requirements 27](#_Toc462649338)

[3. Requirements Trace Table 33](#_Toc462649339)

[5. References 34](#_Toc462649340)

# Abstract

# Report Revision History

# Problem Statement

## Business Background

Erie Insurance is a Fortune 500 insurance company employing thousands of people. Erie Insurance has been a figure in the insurance world for 90 years, and currently serves over 4 million customers in 12 states. They utilize and manage smaller agencies to deal directly with customers, selling them auto, home, life, and business insurance.

With the rise of technology, distracted driving has become more of a risk than ever before. As Erie Insurance is invested in protecting people, they are taking the initiative in informing families about the dangers of driving while distracted.

## Needs

Currently, it is very difficult to display the dangers of distracted driving to a younger generation in a way that engages them. Erie Insurance is seeking an innovative solution in order to solve this problem.

## Objectives

This project aims to utilize virtual reality technology to create an immersive experience that engages users of all ages. The application will be easily distributed to agents around Erie's footprint and will effectively capture the younger audience.

# Requirements

## User Requirements

### Glossary of Relevant Domain Terminology

### User Groups

### Functional Requirements

#### Project Scope (Use Case Diagram)

#### User Scenarios

### Non-functional Requirements

#### Product: Usability Requirements

#### Product: Performance Requirements

#### Product: Dependability/Security Requirements

#### Organizational: Development Requirements

#### Organizational: Operational Requirements

#### Organizational: Environmental Requirements

#### External: Safety/Security Requirements

#### External: Cultural and Social Requirements

#### External: Political Requirements

## System Requirements

### Functional Requirements

#### System Behaviors

#### Data Requirements

#### Technical Challenges

### Non-functional Requirements

#### Product: Usability Requirements

#### Product: Performance Requirements

#### Product: Dependability/Security Requirements

#### Organizational: Development Requirements

#### Organizational: Operational Requirements

#### Organizational: Environmental Requirements

#### External: Safety/Security Requirements

#### External: Cultural and Social Requirements

#### External: Political Requirements

## Requirements Trace Table

# References