

Project Carsino

Introduction

This document gives an overview of the planned application “Carsino” which will entertain truckers across the world meanwhile keeping them safe and attentive. It will help the developers and stakeholders to get a good overview of the upcoming project.

Positioning

Problem Statement

The problem of	boredom and inattentive driving
affects	truck drivers, trucking companies and Volvo Trucks
the impact of which is	higher chance of accidents which can lead to loss of lives and damage to equipment and damage to Volvo’s reputation
a successful solution would be	a way of both saving lives and resources.

Product Position Statement

For	truck drivers.
Who	needs something to keep them alert and attentive to their driving.
The (Product Name)	is a phone or tablet casino application.
That	will entertain you while you drive without subjecting you to danger meanwhile warning you of inattentiveness.
Unlike	other smart phone casinos.
Our product	can be integrated with the vehicle and is voice controlled all graphics are also disabled while the vehicle is moving.

Stakeholder and User Descriptions

Stakeholder Summary

Name	Description	Responsibilities
Volvo Trucks	The company that develops and manufactures the trucks	Quality assurance and promotion
Trucking Companies	The Companies that buy and use the trucks for different purposes	Ensures that it is promoted and distributed
Håkan & Morgan	Acts as total product owners	To oversee and decide what features we are supposed to focus on and implement
Aureliano	The project supervisor who also acts as the product owner.	To oversee the project

User Summary

Name	Description	Responsibilities	Stakeholder
Truck Driver	The user of the product	Give feedback and report serious bugs.	Trucking company

User Environment

- One person which is the truck driver will use the app in their truck.
- The task cycle (Spin) has a short time frame and can be repeated as many times as the driver wants. As long as the driver is not too distracted.
- The application needs to integrate with the truck in order to get the appropriate information of the vehicle's state.
- The system will exist on mobile phones and tablets, with no planned further development towards other platforms.
- It does not need to integrate with the existing applications in the market as it is completely stand-alone.
- The constraints on the system is that...
 - the user needs to be able to speak.
 - it needs a truck in motion to properly utilize all functions.

Summary of key stakeholder or user needs

Need	Priority	Concerns	Current Solution	Proposed Solution
Attentive driving	High	Truckers can become tired while driving	Coffee, radio, music	Warnings and automatic application shut down.
Entertainment	Low	Truckers can get bored while driving	Laptop, mobile phone, tablet, radio, music	Slot machine

Alternatives and Competition

Ordinary casino applications and websites hosting casinos. Although our big strength lies in the safety of our application, which no other competitor can achieve. We assume that there is no other application like this in the market yet (Safe to use while driving, voice controlled and dependent on the car).

Product Overview

Product Perspective

The application only needs a connection to the vehicle to be fully functional. It will do this via the API AGA, Automotive Grade Android. There will also be an implemented high score system that will require an external database for storage of the different user's submitted scores.

Assumptions and Dependencies

We assume that the user will have an android platform of at least version 4.2. We assume that the vehicle is a sort of automobile.

Product Features

- Slot machine to keep the user entertained.
- High score system to give the user a goal.
- Voice interaction/control of the application, to increase safety.
- Distraction signal control
 - Automatically turn off application after three warnings have been displayed for the user, this will make sure that the application does not distract the user.
- Automatically turn off all graphics while the vehicle is moving, and vice versa. To increase safety.
- Connection to vehicle in order to be able to control other features properly.