Facial-recognition based bus pass system (FaceBass)
Vision

Version 1.0

Revision History

Date	Version	Description	Author
03/Mar/2018	1.0	Initial vision	Radu Petrisel
19/Apr/2018	1.1	Font changes	Radu Petrisel

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Vision

1. Introduction

The Facial-recognition based bus pass system presented in this vision aims to solve the problems with most of today's bus passes – people need to carry IDs with them in order to identify themselves. By the new system, all they will need is their face. The system will be titled FaceBass (from bus and pass).

1.1 Purpose

The purpose of this document is to outline the vision for the Facial-recognition Based Bus Pass system (FaceBass). This document will:
- Identify any constraints to proposed solutions
- Identify stakeholders and users
- Describe the features of the system

1.2 Scope

The scope of this document is to address FaceBass' current problems with software and hardware, and detail the project stakeholders. It will also describe the implementation details, high-level requirements and basic architectures that will be utilized.

1.3 Definitions, Acronyms, and Abbreviations

Found in this glossary.

1.4 References

Documents referenced in this vision document:
- glossary

1.5 Overview

This document aims to address the positioning, problems, stakeholders and product requirements for FaceBass – Facial-recognition Based Bus Pass sytem.

2. Positioning

2.1 Problem Statement

The problem of	carriable documents
affects	bus travelers
the impact of which is	not being able to prove they have a bus pass
a successful solution would be	identification by face.

2.2 Product Position Statement

For	bus travelers
Who	forget their passes
FaceBass	is a bus pass system based on facial recognition
That	eliminates the need for carriable IDs
Unlike	classical bus passes
Our product	facilitates travelling light

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Radu Petrisel	Sole stakeholder	Planning, implementing, testing, advertising, project leading, maintaining

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Traveler	Common bus traveler that uses this system	Uses the system	Radu Petrisel
Ticket inspector	Inspects 'people' to see if they are in the database	Queries the system with the inspected person's face	Radu Petrisel

3.3   User Environment

- iOS 11.0 or newer (also Android, in the future)
- each person's own iPhone/iPad/iPod with a working camera

4.   Product Requirements

Any person (traveler or inspector) who wishes to use FaceBass needs a working iPhone/iPod/iPad with a working camera and iOS 11 (or newer). A working internet connection (for travelers - when purchasing a pass; for inspectors – when inspecting). 4G or WiFi is recommended, but not mandatory.