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Stacks on Stacks: Software Requirements Specification for Arivl

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1 Introduction

1.1 Purpose

The aim of the project is to reach a stage whereby users have the option of using Arivl completely seamlessly, without having to open the application.

1.2 Scope

Product Name: Arivl The aim of the project is to reach a stage whereby users have the option of using Arivl completely seamlessly, without having to open the application. Arivl will allow a boom to be opened when a user within range and has been verified, without the actual user having to do much to support this feature, giving about minimal user interaction having taken all security measures to enforce a safe and secure seamless action.

1.3 Definition, Acronyms, and Abbreviations

User - The person using the Arivl application. LPR - License plate recognition BLE - Bluetooth Low Energy

1.4 References

Arivl. [n.d.]. [Online]. Available: https://www.arivlapp.com/ [Accessed 13 March 2018].

1.5 Overview

2 Overall Description

What Arivl (ArivlApp) entails is the ability to open homes, malls, and work with the swipe on a phone using Bluetooth. Once Bluetooth is activated, your Arivl device will search for the closest boom. On the boom is an ArivlBox and when the phone connects to the box, then the user has to swipe the phone. Arivl aims to take away the phone interaction. It will also be able to address building management (such as lights, switches, Air Cons, others as specified, when a person walks past certain areas).