Parking Software

Product Deployment Plan

IBI Student Group (Fontys UAS, Group 2)

For Sioux Technologies

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# 1. Introduction

The aim of this document is to describe our thought process and plans regarding the deployment of the product that we have been building for Sioux throughout this whole semester. While we are on the ‘final straight’ of this project and have already come up with a deployment plan, it is still a draft and is therefore subject to change depending on the Product Owner’s feedback.

# 2. Appointment Registration App

The appointment registration app will be used by the receptionist (the person who receives the calls from customers wishing to have a meeting at Sioux scheduled for them) This is a desktop application, for which we have planned to be installed directly on the receptionist’s computer and to have direct access to the database, where all the information about appointments and drivers is being stored. With the final deliverables, we will include an instructable on how to set everything up properly.

# 3. License plate recognition component

This component is designed to scan the license plates of cars coming into Sioux’s parking lot and recognize the ones that are registered into the system, whose respective drivers have a scheduled appointment. It is then supposed to send a request to the SMS-sending component. The plan for this part of the product is to run on a Raspberry Pi connected to a 5MP camera. Our idea is for this system to be working non-stop during working hours of Sioux, so that the process is fully automated. What the Product Owner will need to do is only to install the camera and the Raspberry Pi in their designated place at the entrance of the parking lot.

# 4. SMS-sending component

This component’s purpose is to send the appropriate information to the arriving driver upon receiving a request from the license plate recognition system. It is also meant to be running non-stop during the company’s working hours, but will be hosted remotely on Amazon Web Services (infrastructure provided by our partner group in ICT & Infrastructure). Therefore, the Product Owner will not be required to install/set up anything related to this part of the product.