



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

## COS 301 - Installation Guide

Brute Force

October 12, 2019

**NAMES:**

**STUDENT NUMBER:**

Thomas Honiball	15348751
Thabo Ntsoane	15107532
Mpho Mashaba	14309999
Munyadziwa Tshisimba	11034531
Bandile Dlamini	14402425

# Contents

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	Purpose of this document . . . . .	3
<b>2</b>	<b>System Requirements</b>	<b>3</b>
2.1	Overview of system installation . . . . .	3
2.2	Software Requirements . . . . .	3
2.3	Hardware Requirements . . . . .	3
2.4	Operating Systems . . . . .	3
2.5	Database Support . . . . .	3
2.6	Known problems . . . . .	4
<b>3</b>	<b>Installing the [system]</b>	<b>4</b>
3.1	Prerequisites . . . . .	4
3.2	Starting the installation . . . . .	4
<b>4</b>	<b>Troubleshooting</b>	<b>4</b>

# **1 Introduction**

## **1.1 Purpose of this document**

The following installation guide will help you successfully install the Indoor Mall Navigation on your mobile device. It gives a step by step break down of instructions that you need to follow in order for the application to work on your device. We hope you enjoy the tailored experience that this application offers you. Bruteforce Team.

# **2 System Requirements**

## **2.1 Overview of system installation**

To ensure the best performance using Indoor Mall Navigation Application, please note the following requirements for hardware and software

## **2.2 Software Requirements**

- Android 4.1 (Jelly Bean)
- Smartphone with Bluetooth
- Smartphone with internet access
- Pdf reader

## **2.3 Hardware Requirements**

- Smartphone with a camera
- Smartphone with accelerometer
- Smartphone with magnetosphere sensor

## **2.4 Operating Systems**

- Android

## **2.5 Database Support**

- Firebase Database

## 2.6 Known problems

- Navigation will not work without nearby beacons.
- Products that are not in our database will not be able to be purchased.
- Products with damaged bar-codes/QR-codes will not be scanned properly.
- Navigation system won't work without internet access.

## 3 Installing the [system]

### 3.1 Prerequisites

- WIFI or Mobile data
- Sufficient battery power
- Sufficient storage space

### 3.2 Starting the installation

- Application will be able to be downloaded from google play store.
- Once the application has successfully downloaded, a user will then be able to install it to their smartphone.
- A user will then open the application and be prompted to switch on their Bluetooth as well as WIFI or mobile data
- The application will then ask the user for access of the users' camera, storage and location.
- From here, the user will then be able to use the application.

## 4 Troubleshooting

- In case of failure to navigate, you will receive a pop up notification to let you know that the operation has failed and you will either have to try again or cancel the operation.
- The User won't be able to submit an empty cart. The user will be prompted that they can not do so
- The user won't be able to add an Item (empty) without scanning, the user will be prompted to scan before adding to cart or wish list.