



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

User Manual document

Brute Force

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Name of Application : NAVIGATOR

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1 General information

1.1 System Overview

Indoor Mall Navigation is a fully interactive mall guide App which allows users to easily find shops in a mall, Provide a list of specials based on users location and enable users to add items to a shopping cart to purchase and have them delivered.

1.2 Organization Of The Manual

The User manual consists of five sections: General Information, System Configuration, Getting started, Using The System, and Troubleshooting

The general information section explains in general terms the system and the purpose for which it is intended.

System Configuration will outline how the system will be operated, what requirements will be needed and how it will be used.

Getting Started section explains how to get Navigator and install it on the device.

Using the system section provides a detailed description of system functions.

Troubleshooting section will specify what steps can be taken in case of a failure in the system.

2 System Configuration

The Indoor Mall Navigation system operates on mobile devices with Android operating system. It is compatible with Android 4,1 (jelly bean) API 16 and higher versions. The application requires connection to Internet in order to save and retrieve data from the database. The App will use the location property on the device to locate the users current location and navigate them to their destination respectively. The smart device's camera will be used to scan the QR/Bar

code of a specific item in order to view or add the product to the Cart. After installation on the device, Indoor Mall Navigation can be used immediately without any further configuration

2.1 Installation

When all the implementation is done, we plan to have the application up on Google play store.

2.2 User Access Levels

Everyone can use the system, but only registered users able to purchase items and also add items to their wish list.

3 Getting started

3.1 Accessing the system

In order to access the system, The user should just download the App and start navigating. There is no log in obligation.

- The user Needs to register and log in if they need to add items to their cart.
- The user can click on the "Forgot Password" button on the log in screen if they forgot their password. An email with a link will be sent to them. With that link, the user can enter a new password.

3.2 Walkthrough

- Upon loading the app, the user will be able to see their location and the mall map.
- The user can enter their destination and click on "navigate", then the user will be directed by an AR paths and arrows to the destination.
- The user can scan products that they're interested in to see the price and to add those products to their Cart.
- User needs to register and login in order for them to add items and purchase from their cart.

- The products will then be delivered to their desired address once the transaction has been approved.
- The user can log out once they are done with the App.

4 Using The System

Upon opening the system, the following screen will appear:

4.1 Splash Screen

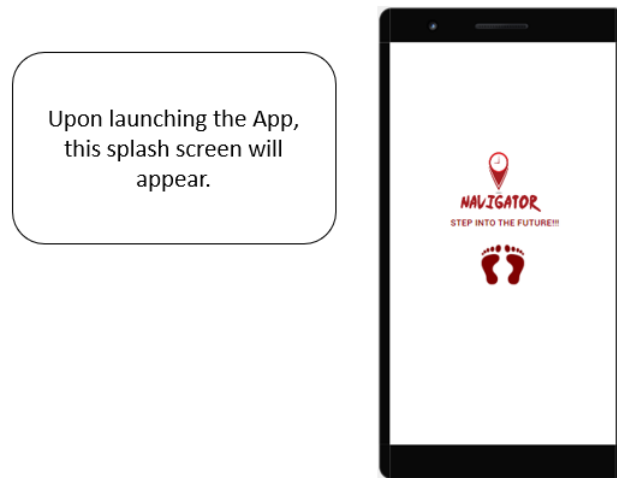


Figure 1: Splash Screen.

4.2 Home Screen



Figure 2: Home Screen.

4.3 Navigate Screen



Figure 3: Navigate Screen.

4.4 Search for Beacons

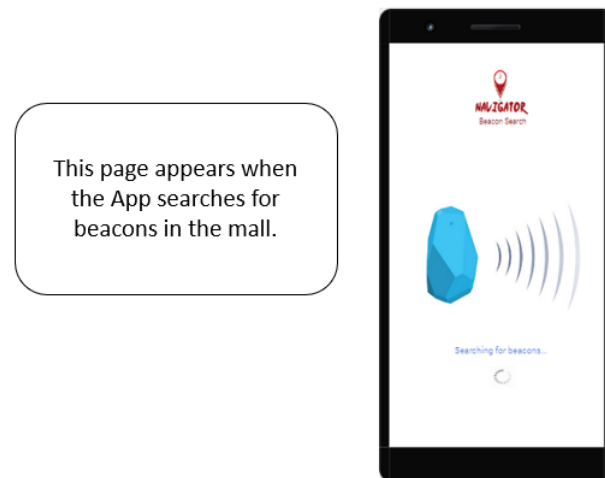


Figure 4: Search beacon.

4.5 Login

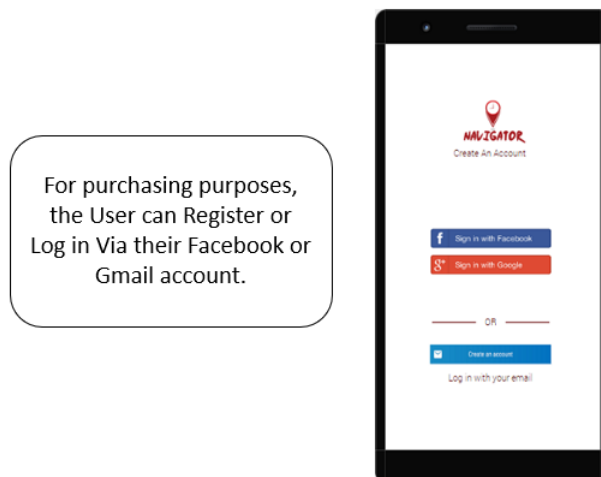


Figure 5: Login Screen.

4.6 Scan

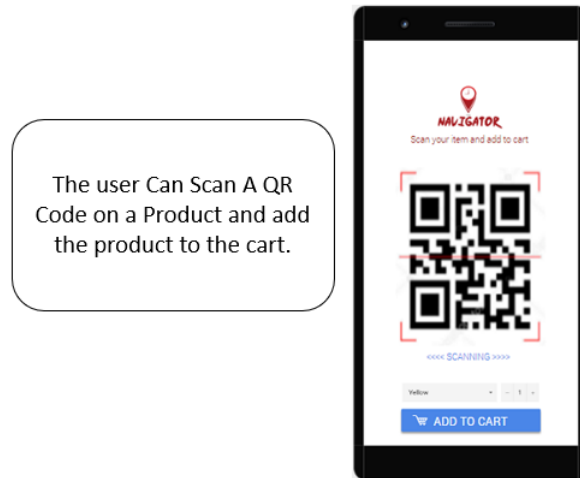


Figure 6: Scan Screen.

5 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.