**Snap Find Use Cases**

**PURPOSE**

Goal: Develop an app to help students navigate various parts of Hendrix campus using the Android OS

**Scope:**

|  |  |
| --- | --- |
| **In Scope** | **Out of Scope** |
| App for android devices | Does not run on IOS |
| Storage of all data in app |  |

**Actors and Goals:**

1. **User**: wants to use an app to identity name of the place they are at by taking a picture of the place.

2. **Program**: takes an image and uses a machine learning algorithm to find out a label closest to the image being taken.

**USE CASES**

**Use Case – Start the App**

**Precondition**: App installed on the device

**Trigger**: User starts the App

**Minimal Guarantee**: Program closes and exits on failure.

**Success Guarantee**: Program starts and displays a menu of options.

**Main Success Scenario**:

1. User: Starts the app

2. Program: Starts on the main screen and displays menu options with home menu button selected by default:

· Home, Plus, and Labels menu buttons

**Use Case – Take picture**

**Precondition**: App installed on the device

**Trigger**: User clicks on plus menu button

**Minimal Guarantee**: Program closes and exits on failure.

**Success Guarantee**: Program starts and displays a menu of options.

**Main Success Scenario**:

1. User: Click on plus menu button

2. Program: Opens a camera

3. User: Takes a picture and choose between find button or add image

**Use Case – Adding a new Image**

**Precondition**: Home page is open

**Trigger**: User took a picture and clicked on add new image button

**Minimal Guarantee**: Program closes and exits on failure.

**Success Guarantee**: A new image was added to the label and displays a menu of options.

**Main Success Scenario**:

1. User: Selects a label from a drop-down option

2. Program: Shows all registered labels

3. User: Choose one option

4. Program: activates add button

5. User: Clicks on add button

**Use Case – Finding the closest label of a new Image**

**Precondition**: A new image is being displayed

**Trigger**: User took a picture and clicked on find image button

**Minimal Guarantee**: Program closes and exits on failure.

**Success Guarantee**: A predicated label has been shown.

**Main Success Scenario**:

1. User: Clicks on find label

2. Program: displays the closet label.

**Use Case – Deleting a label**

**Precondition**: Labels page is open

**Trigger**: User clicks on labels menu button

**Minimal Guarantee**: Program closes and exits on failure

**Success Guarantee**: A selected label has been deleted

**Main Success Scenario**:

1. User: Selects a label in a list view and clicks on the red bin icon to delete it

2. Program: refreshes the list view.

**Use Case – Adding a new label**

**Precondition**: Labels page is open

**Trigger**: User clicks on labels menu button

**Minimal Guarantee**: Program closes and exits on failure

**Success Guarantee**: A selected label has been deleted

**Main Success Scenario**:

1. User: Types a name of a new label and clicks add button

2. Program: refreshes the list view.