Contents

[Background 2](#_Toc413844441)

[Preliminary List of Functional Requirements 2](#_Toc413844442)

[Startup Screen 2](#_Toc413844443)

[Main Page 3](#_Toc413844444)

[Add an Item 3](#_Toc413844445)

[Swipe Right 3](#_Toc413844446)

[Swipe Left 4](#_Toc413844447)

[Swipe Up 4](#_Toc413844448)

[Swipe Down 4](#_Toc413844449)

[Account Menu 4](#_Toc413844450)

[Seller’s Garage 5](#_Toc413844451)

[Buyer’s Trunk 5](#_Toc413844452)

[Holding Pattern 5](#_Toc413844453)

[Feed Filter 6](#_Toc413844454)

[Settings 6](#_Toc413844455)

# Purpose

<Why are we writing this document>?

# Background

Many people today already try to sell household stuff online through a website like Craigslist. But this means that one needs access to a computer and constantly needs to check the status of the item. This creates a demand for an app that can help organize and make buying-selling a smooth step. A mobile or a tablet app is best suited to this because it combines all of the tools needed to meet this demand-it has the camera to post pictures, push notifications to keep you updated, GPS for your location, and communication via chat or email.

Bakkle is an idea of a Garage Sale on your mobile device. Everyone has items in their house that have outlived their usefulness and they are ready to go to their next owner and be useful to them. This app will let you upload pictures of items you are trying to sell and also let you see what others are posting on your feed.

# Preliminary List of Functional Requirements

This follow are key requirements needed by the system. Each is described in more detail in the appropriate section of this document.

* Facebook sign-in
* Tinder style swipe interface for the Bakkle Feed
* Push notifications
* Gallery for all uploaded items to be sold (Seller’s Garage)
* Gallery for all items to buy or ‘maybe buy’ (Buyer’s Trunk)
* Gallery for all items to be kept on hold (Holding Pattern)
* Simple add item from camera image
* Feed filter

The following additional features are envisioned to be included in later versions:

* Bakkle sign-in/sign-up independent to Facebook (Facebook required in first prototype)

# Startup Screen

The Startup Screen will have a sign in option to connect your Facebook account with the app, and (if time permits) a sign in option with an email will also be an option. If the user chooses to sign in with Facebook, all the info needed by the app such as name, email, and a picture will be imported from their Facebook profile. However, if the user chooses to sign in with an email, they will have to create an account before signing in and they will be providing an email address, a password, and their picture (optional). Once they create an account, they can use that account to sign in the app.

# Main Page

The main page will comprise the feed that will have posts from other people who are trying to sell their items. The user will have many options to choose from for every post. The actions to choose from are:

* [Add an item](#_Add_an_Item)
* Search
  + - This will search your feed for any keywords specified and update the feed accordingly.
  + [Swipe Right](#_Swipe_Right)
* [Swipe Left](#_Swipe_Left)
* [Swipe Up](#_Swipe_Up)
* [Swipe Down](#_Swipe_Down)
* [Account](#_Account_Menu)

## Add an Item

Adding an item is pretty simple. When a user clicks on the ‘+’ button, a popup screen shows up where a user will add a minimum of 1 and a maximum of 5 images. The user also needs to provide a title for the item with the maximum price the user may want for it. They also need to enter some tags which will help categorize and help people to search for them. Along with that, there will be a description field which will ask for the description of the item being posted and a drop-down list for the method of pick-up where a user may select more than one methods like Pickup, Ship etc.

## Swipe Right

The user can ‘Swipe Right’ a.k.a ‘Want’ the item or are interested in it or they can also tap on the green tick mark button which will do the same thing and store that item into their ‘Buyer’s Trunk’ inventory. After the swipe, the next item in the feed will be displayed.

## Swipe Left

They can ‘Swipe Left’ a.k.a ‘Meh’ which will mean that they are not interested in the item or they can tap the red cross button which will do the same thing and item will go away from your feed forever. After the swipe, the next item in the feed will be displayed.

## Swipe Up

They can ‘Swipe Up a.k.a ‘Holding Pattern’ which will mean that they are interested in the item but they would like to put it on hold. After the Swipe, the item will be added to the ‘Holding Pattern’ inventory.

## Swipe Down

They can ‘Swipe Down a.k.a ‘Report’ which will mean that the item has some inappropriate content and the user would like the post to be removed. After the swipe, the item will go away from your feed forever and the next item in the feed will be displayed.

# Account Menu

The Account Menu will comprise of:

* Feed
  + - Tapping on this will take the user to their feed
* [Seller’s Garage](#_Seller’s_Garage)
* [Buyer’s Trunk](#_Buyer’s_Trunk)
* [Holding Pattern](#_Holding_Pattern)
* [Feed Filter](#_Feed_Filter)
* [Settings](#_Settings)

## Seller’s Garage

Seller’s Garage will have all the items added by the user which they want to sell. Each item will also have three options which are:

* + - Edit

User can change the title, add/delete images, change the price or tags or the pickup methods

* + - Share
  + User can share the item directly to their Social Media like Facebook, or Google+
    - Delete
      * + User can delete the item

Each item will also display the number of buyer’s interested in the item. When the user clicks on an item, it will show a list of interested buyers where they can select people to start a conversation with and try to make a sale by swiping right and tapping confirm. They can also delete a user to whom they don’t want to make a sale by swiping left and tapping delete.

## Buyer’s Trunk

Buyer’s trunk is an inventory which has all the items that a user wants to buy. Once the seller confirms the user trying to buy the item, the ‘CONFIRMED’ tag will appear on the item and they can start a conversation. Other items will remain in the list until they are confirmed. Clicking on an unconfirmed item will take the user to the specs for the item.

## Holding Pattern

This inventory will have a list of all items which the user put on hold. Clicking on an item will take the user to the specs for the item where the user can decide to buy the item or not. If the user taps ‘WANT’, the item is moved to the Buyer’s Trunk inventory.

## Feed Filter

Feed Filter will allow the user to set preferences for distance, price, and the number of items to display in the feed.

## Settings

This section will allow the user to link their social media accounts, change their notification settings and their display picture.

# Supports

* + **Phones:** iPhone 4S, 5, 5S, 6, 6 Plus
  + **Tablets:** iPad Air 2, iPad Air, iPad mini 3, iPad mini 2, iPad mini

May support:

* + - iPhone 3, 3GS, iPhone 4