Project: Red Pony
User Manual

1 Getting Started

1.1 Introduction

Project:Red Pony gives a physical aspect to files uploaded in the digital world by allowing users to upload and download files based on their current geographic location. Users can enforce secondary restrictions such as user identity, time constraints, and quantity limitations to the files allowing for a unique file sharing system.

1.2 Requirements

Android users must be updated to an API level equal or higher than 21 while iOS users should have a device that supports iOS 9.3 or higher.

1.3 Installation

To install the application, the user will need to download from the Google Play Store or from the Apple App Store.

1.4 Start-Up

On start-up, the user will be prompted with three options: Create a New Account, Log-In, or Quit.

1.4.1 Creating a New Account

After selecting the Create a New Account Option, the Create a New Account Page will appear. It will prompt the user to enter the following fields: username, password, phone number, and email.

After filling in the appropriate field, a verification number will be sent to the user's phone. The user will be taken to a verification screen that will require the user to enter the number sent by text-message.

After correctly entering the verification number, the user will be taken to the default application page. If the user is unable to enter the verification code in the alloted time frame, the user must resend the verification number or restart the process.

1.4.2 Log-In

After the selecting the log-in option, the user will be prompted to enter his or her username and password. If the user enters the password incorrectly too many times, he or she will be asked to use the account recovery option. If the password is entered correctly, he or she will be taken to the lobby, logged into his or her account.

If the user forgets his or her password, then the user can select account recovery option to recover his or her account.

The user can also choose to log in using a Google account. Select the Google icon and log-in. Afterwards, the user will be taken to the lobby.

The user will remain logged in unless he or she logs out.

1.4.3 Quit

After the user selects this option, the application will exit entirely.

2 Navigating the Application

2.1 Lobby

After logging in, the user will be taken to the lobby. It will display multiple rooms and folders near the current area. The lobby will be periodically updated to match the user's current real world location.

The lobby has a different interface depending on the view the user chooses - list and map view.

2.2 Map View

After clicking the map view icon, the map will be displayed. It will show the user's current location and the user's interaction radius. Files will appear inside the radius with the file icon and rooms will appear with room icon. If there are multiple files and/or rooms in a given area, they will appear with the cluster icon.

The rest of the map (that is not in the user's interaction radius) will show files as a heat map. The more files in a given area, the more "heat" it will have. Users are unable to do anything with the files but will give the user a general sense of where files are located.

Clicking a file will display a pop-up with some options: Download, Remove, Comment, and Rate. Remove will only be displayed for the user who uploaded the file. The user will not be able to download, comment, or rate unless they are inside the interaction radius of the file.

Clicking a room will expand it and show a list of files. Clicking a file will display the file options.

Clicking a cluster will expand it and show the list of rooms and files inside it. Clicking a room will show the room options and clicking a file will show the file option.

To switch views, click the list view icon.

2.3 List View

The list view is the default view of the application.

After clicking the list view icon, a list of files and rooms that the user can interact with will be displayed. The user can click on a file to interact with. Upon clicking, the following options will be displayed: Download, Remove, Comment,

and Rate. Remove will only be displayed for the user who uploaded the file. The user will not be able to download, comment, or rate unless he or she is in the interaction radius.

Clicking on a room will expand it and show the list of files within that room. Clicking a file will display the file options.

To switch views, click the map view icon.

2.4   Rooms

Rooms are icons located on the map or list view. On map view, rooms appear using this icon. On list view, rooms, indicated by this icon, appear along with the list of accessible files.

Rooms act as folders where each room can hold multiple files.

2.5   Files

Files are icons located on the map or list view.

Users can download, remove, rate, and comment on a file. The user must be in the file's interaction radius to download, rate, and comment. The remove option will only appear for the original file uploader.

2.6   Navigation Bar

Click the navigation bar icon in the top left hand corner. It will expand and display a list of available options: Map / List View, Settings, Help, and Log Out.

Map / List View will allow users to switch between the views of the application. List View is the default view.

Settings will display settings that the user will be able to change. The user will be able to change the notification here.

Help will display a FAQ that users can refer to if they need help navigating the application or understanding specific functions.

Log Out will log the user out of the application and take the user back to the log in page.

To close the list of available options, click the navigation bar icon again.

2.6.1   Settings

Users can change the default settings here.

Notifications

The default setting for the application is no notifications.

Users can choose to be notified if a file is nearby, a cluster of files is nearby, or if a file they have uploaded has been removed.

3 Downloading a File

Users can click on any file and the following list of options will appear: Download, Remove, Rate and Comment. Remove will only appear if the user uploaded that file.

Users can also click on a room to expand it and select a file to download from there instead.

If the user is in map view, the download button will be non-interactive until the user is in the file's interaction radius. If the user does not have enough space on his or her phone, an error message will pop up and ask the user to create room.

If the user is in list view, only files that the user will be able to download will be visible.

Once the user selects the download option, the file will be downloaded to his or her phone.

3.1 Unable to Locate File

If the user does not have permission to view a file, the user will never see that file. In order to gain access, the user needs to contact the person who uploaded the original file.

4 Uploading a File

The upload file button is located in the lobby. The user needs to be at the location he or she wants the file to be at. Once there, he or she should click the upload file button and select the appropriate file. The user can also choose to upload a room to create a new room. If the user wishes to upload a a file within a room, enter the room and hit the upload file option.

Next, the user will be asked to choose the constraints of the file: Time, Quantity, User Identity, and User Demographics.

4.0.1 Time

The user can set how long the file will be available to download. The available range is zero seconds to infinitely available.

4.0.2 Quantity

The user can set how many times the file can be downloaded. The available range is zero times to infinitely available.

4.0.3 User Identity

The user set who views the files based on user identity. The user will enter some usernames and only users from that specific list will be able to view those files.

4.0.4 User Demographics

The user can set who views the files based on user demographics set in the user's account. If the user chooses not to fill in the demographics part of his or her account, then he or she will no have access to the file..

The user can choose to upload anonymously. The user's username will be hidden from others.

After selecting the constraints of the file, the file will be uploaded at that location and will be available for other users to interact with.

5   Removing a File

Only the user who uploaded the file has the ability to remove it.

The user does not need to be in the location of the file to remove it.

To remove a file, locate the file. If the user is the owner, he or she will have the option to remove it. Click remove and a confirmation message will appear. Confirm and the file will be removed.

6   Commenting on a File

To leave a comment on a file, click on the file and from the list of options select comment. A text field will be created for the user to write a comment. Once finished, click submit and the comment will be visible to others.

The user can also choose to leave a comment anonymously. The user's username will be hidden from others.

7   Rating

Rating allows other users to see feedback on the file quickly rather than browsing the comments to find information.

7.1   Rating a File

To rate a file, locate it and click it. From the list of options that appear, choose the rate a file option.

A thumbs up indicates that the file has good content. A thumbs down indicates otherwise.

7.2   Removing Your Rating

To remove a rating from a file that has been previously rated, click the thumbs up to remove a positive rating and the thumbs down to remove a negative rating.

To change a rating from a file that the user previously rated, click the desired rating and the rating will switch appropriately.