

# Fauna Finder User Manual

Penelope LTD

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# 1 Introduction

Welcome to Fauna Finder, your ultimate companion for wildlife identification! This user manual will provide you with all the information you need to make the most of our powerful and intuitive app. With Fauna Finder, you can explore the wonders of the natural world, identify various species of wildlife, and enhance your knowledge about the diverse creatures that inhabit our campus.

## 2 System requirements

To ensure smooth operation and optimal performance, Fauna Finder requires a mobile device running Android 5.0 (Lollipop) or higher. Please ensure that your device meets the following minimum requirements:

- Operating System: Android 5.0 (Lollipop) or higher.
- Storage: At least 100MB of available storage space.
- Internet Connectivity: Fauna Finder requires an active internet connection for certain features, such as species identification, accessing updated species information, and participating in community activities.

Note: Fauna Finder is currently available exclusively for Android devices. We are actively working on expanding compatibility to other platforms in the future.

It is recommended to keep your Android device updated to the latest version of the operating system and regularly update the Fauna Finder app from the official app store to ensure compatibility and access to the latest features and enhancements.

Please note that performance may vary depending on the specifications and capabilities of your Android device. While Fauna Finder strives to deliver the best user experience possible, older or low-end devices may experience slower processing times during species identification or while running resource-intensive features.

## 3 Application startup

Upon startup of the application, the user will be presented with a tutorial on how to use the app. This tutorial features screenshots paired with captions to guide the user through the basics of the app. To navigate through the tutorial, the user should swipe the screen left to proceed to the next slide of the tutorial, or swipe right if they wish to go back a slide. The tutorial can be skipped using the 'skip' button located in the bottom left side of the screen. This tutorial can then be reactivated at any time during the usage of the app simply by navigating to the information screen, and selecting the 'how to use the app' button.

## 4 Selecting a campus

Upon completion or up exiting the tutorial, the user will be presented with the home screen displaying a message prompting the user to select a University campus from the location menu. To select the desired university, the user must locate the toolbar positioned at the top of the screen. On the left side of the toolbar there is an icon resembling a location edit icon. This icon represents the university selection feature. The user should then follow the following steps:

- Tap on the location edit icon to activate the campus selection screen. Upon tapping, a list of available campuses or locations will appear.

- Scroll through the list or start typing into the search bar to explore the universities available within the app. Each campus represents a specific geographic area or region known for its diverse wildlife.
- Once the desired university is found, simply tap on it to select it as the current location.

The campus selection screen will close, and the user will be returned to the home screen of Fauna Finder.

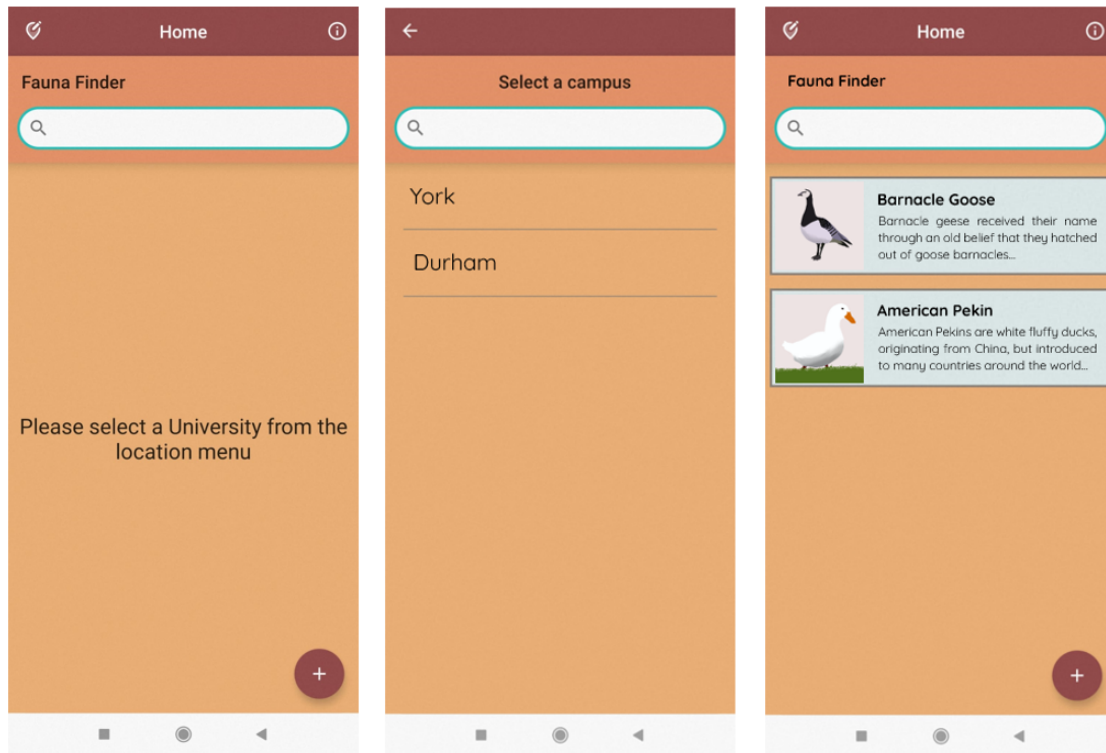


Figure 1: From left to right: home screen upon startup, campus selection screen, home screen after selecting campus.

## 5 Selecting a bird entry

Once the desired location is selected, the user will be presented with a list of birds corresponding to that location. Each bird entry on the home screen will feature:

- The name of the bird.
- An illustrated image of the bird, emphasising its key features.
- A short sentence about the bird.

To identify or learn more about a specific bird species in Fauna Finder, the user has two options: using the search bar or scrolling through the bird entries. Follow the steps below to make the most of these features:

Search bar:

- Locate the search bar at the top of the main screen. It is prominently displayed for easy access.
- Tap on the search bar to activate it and bring up the virtual keyboard on your device.

- Type the name or any relevant keywords related to the bird you are interested in identifying or learning about.
- Once you see the desired bird species in the suggested results, tap on it to view detailed information and media related to that bird.

Scrolling through bird entries:

- On the main screen, you will find a list or grid of bird entries, representing various species available in Fauna Finder.
- Swipe up or down to browse through the bird entries.
- Locate the bird you are interested in, and then tap anywhere within the borders of the entry to access its detailed information and media.

Regardless of whether you use the search bar or scroll through bird entries, tapping on a specific bird will lead you to a dedicated page with comprehensive information about that species.

## 6 Individual bird information

When you select a bird in Fauna Finder, you will be directed to a dedicated profile page that provides detailed information about the specific bird species you have chosen. This page is designed to enhance your understanding and appreciation of the bird, and it consists of the following key components:

- The bird name at the top of the profile page.
- A circular, high-quality hero photograph of the bird.
- A sound icon, appearing to show a bird call, which when triggered will playback a soundbite of the typical call of the bird. This function is activated by simply tapping on the sound icon.



Figure 2: 'Bird call' sound icon.

The profile page also includes more detail, divided into three sections that delve deeper into various aspects of the bird species, which is accessed by scrolling down the page to the relevant headings (as listed below), and tapping either on the heading or chevron icon located beside the heading:

- **About me:** In this section, you will find information about the bird's characteristics, behaviour, and other relevant details. This section provides a holistic overview of the bird's life history and general attributes. This section is supported with a video snippet of the bird in its habitat.
- **Diet:** Discover the bird's dietary preferences and feeding habits in this section. Learn about the types of food it consumes, including specific prey items, plants, fruits, nectar, or seeds. The section is supported by another photograph of the bird.

- **Location:** This section provides valuable insights into the bird's geographic distribution and occurrence. Explore its range and habitat preferences, both locally on campus and worldwide. This information allows you to identify the bird in your specific area or plan your bird-watching adventures to encounter it in different parts of the world. The section is supported by another photograph of the bird.

Immerse yourself in the beauty and diversity of birds as you navigate through the bird profiles in Fauna Finder. Enjoy the captivating visuals, listen to their enchanting sounds, and uncover the wonders that make each bird species truly extraordinary.



Figure 3: Left: Individual bird screen. Right: Individual bird screen with expanded 'About me' section.

## 7 Using local presentation files

Fauna Finder offers a convenient feature to enhance your experience on the home page. Located in the bottom right of the screen, you will find a Floating Action Button (FAB) with a distinct icon. By clicking on this button, you can access the local file browser to select a different presentation file stored on your device. Here's how it works:

Floating Action Button (FAB):

- Positioned in the bottom right corner of the home screen, you will notice a FAB with a unique 'plus' icon.
- By clicking on this FAB, you initiate the local file browser feature.

Local File Browser:

- Upon clicking the FAB, the local file browser will open, allowing you to browse through the files stored on your device.
- This file browser grants you access to your device's local storage, enabling you to select a different presentation file.

Selecting a Presentation File:

- Within the local file browser, you can navigate through folders and directories to locate the desired presentation file.
- Tap on the file you wish to select, and it will be chosen as the new presentation file for Fauna Finder.

Updated Presentation File:

- Once you have selected a different presentation file from your local storage, it will replace the previous one used in Fauna Finder.
- The new presentation file will now be displayed and utilized within the app, enhancing your visual experience and ensuring up-to-date content.

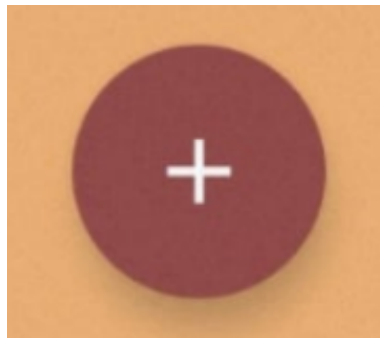


Figure 4: Floating action button (FAB)

The local file browser accessible through the FAB on the home page provides you with the flexibility to switch presentation files effortlessly. Whether you want to update the content, showcase different bird species, or share custom presentations, this feature empowers you to personalise your Fauna Finder experience.

## 8 Navigating the app

In Fauna Finder, navigating through the various pages and sections is made easy with intuitive navigation controls. The toolbar located at the top of the screen provides convenient options to help you move between pages and access the home screen. Here's how you can navigate through the app:

Back arrow con:

- On most pages within the app (excluding the home screen), you will find a back arrow icon displayed in the toolbar at the top of the screen.
- If you want to return to the previous page or section you were viewing, simply tap on the back arrow icon. This action will take you back one step in your browsing history within the app.

Information icon:

- In the home page you will see an information icon displayed in the toolbar at the top right of the screen.
- Tapping the information icon will instantly direct you to the information screen, where more details can be found about the app.

Location icon:

- In the home page you will also see a location icon displayed in the toolbar at the top left of the screen.
- Tapping the location icon will instantly direct you to the university selection screen, where you can select or change the desired location.

Note: The specific placement and appearance of these icons may vary slightly depending on the device and the version of Fauna Finder you are using, but their functionality remains consistent.



Figure 5: From left to right: Information icon, location icon, back arrow.

## 9 App-related information

Located in the top right corner of the screen on the home page, you will find an information icon. Tap on this icon to open the information page, which contains important details about the app. This page contains the app logo and build version, as well as 3 buttons consisting that will direct the user to the following screens:

- **About the Creators:** Tapping this button will redirect you to a dedicated page containing information about the creators of Fauna Finder. Here, you can learn more about the organisation behind the app, their vision, and their commitment to developing a high-quality application.
- **How to Use the App:** By selecting this button the starting tutorial will be reactivated, which will help guide you step-by-step through the app, and outline how to effectively utilise and navigate the features and functionalities of the app. This guide will assist you in making the most out of your Fauna Finder experience.
- **Licensing:** When you tap this button, you will gain access to the list of notices of the OSS libraries that the app uses. These notices are mandatory for complying with the licence requirements of these open source libraries.

Feel free to explore these buttons on the information page to access the specific app-related information you desire. Whether you want to know more about the creators, seek guidance on using the app, or understand the licensing details, Fauna Finder ensures all relevant information is conveniently available to you.

## 10 Conclusion

Congratulations! You have reached the end of the Fauna Finder user manual. We hope that this guide has provided you with a comprehensive understanding of the app's features, functionality, and how to make the most out of your wildlife identification experience.

Thank you for choosing Fauna Finder. We hope you enjoy your journey through the avian realm, and may your encounters with birds be filled with joy, discovery, and appreciation for the incredible world of wildlife. Happy birdwatching!