

EchoBook User Manual

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1 Getting Started

1.1 Installing Our System - UNFINISHED

As system is still in proof of concept stage this aspect is not ready for users with non-development background, see deployment folder for readme's on how to get system running in development environment.

1.2 Getting on the System - UNFINISHED

As system is still in proof of concept stage this aspect is not ready for users with non-development background, see deployment folder for readme's on how to get system running in development environment.

1.3 Getting an Account

If you don't have an account then your project coordinator can make accounts to use with the system, if you require an account please talk with them to get one setup with the permissions you require (see [section 1.4](#) for explanation on available permissions).

If you are the project coordinator you will have been given access to **the super admin account**, this account is to make you are admin account only, **it should not be used as an everyday account**, it is there for recovery purposes in the case all other admins lose access to their account, be that through forgot passwords or deletion of account.

1.4 Account Permissions Explained

1.4.1 Read

This allows the user to read all data on the system (minus information only viewable to an admin such as other user information / activity) without being able to edit any of it or make new entries.

1.4.2 Create

Includes all from **Read** but users can now create new records for birds, nest sites and RFID rings. They can also edit the entries that they made but not any others.

1.4.3 Edit

Includes all from **Create** but they can now edit any entry they want, no longer limited to just the ones made by them.

1.4.4 Export

Includes all from **Read** but now has access to exporting to excel spreadsheet functionality in the Birds Table Page (see [section 4](#)).

1.4.5 Admin

Includes all from **Edit** and **Export** with the addition of being able to create, delete and edit Users, and to view User Activity on the system.

1.4.6 Super Admin

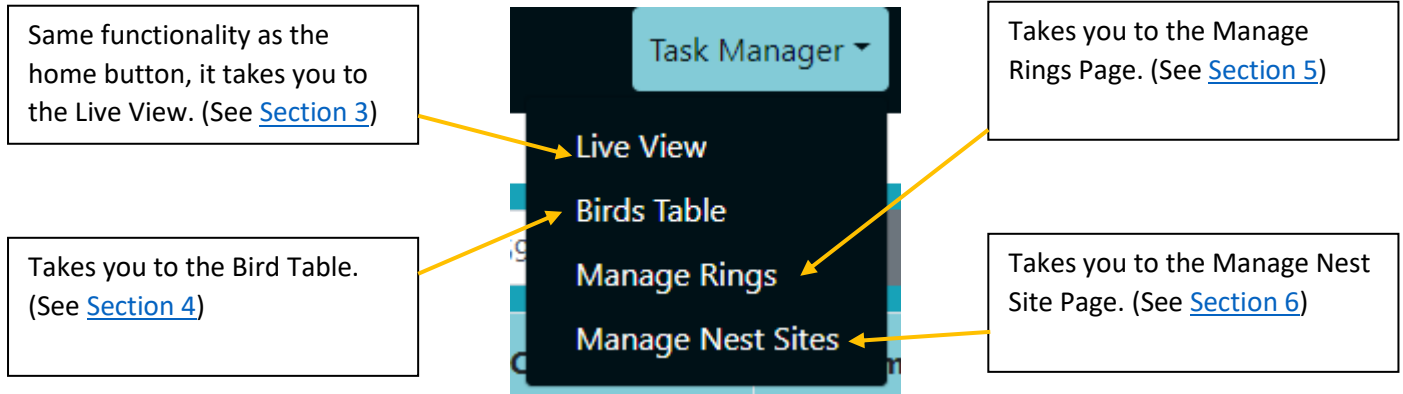
Includes all from **Admin** with the addition that this account cannot be deleted by any others, there should only be one of these at any given time as it is designed to be a recovery account not an everyday use one.

2 Navigation

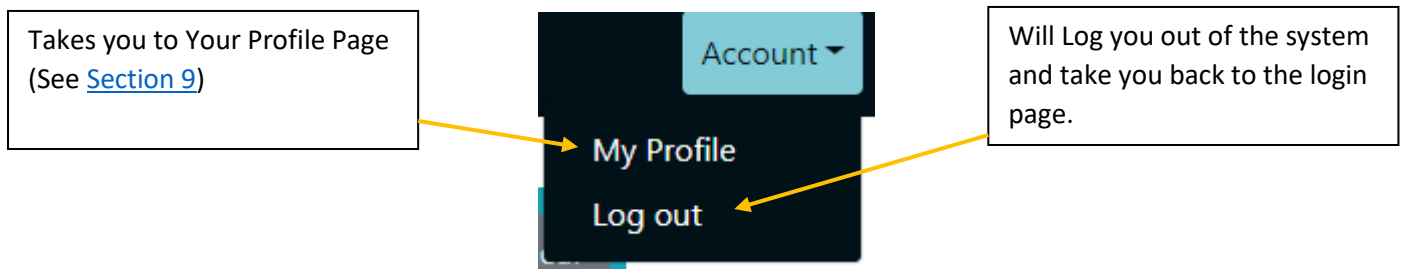
2.1 For Most Users

Once you are logged in, at the top of the page, on the right, you will see 2 menu items allowing navigation throughout the system and on the left a home button to return you back to the starting screen (Live View).

2.1.1 Task Manager

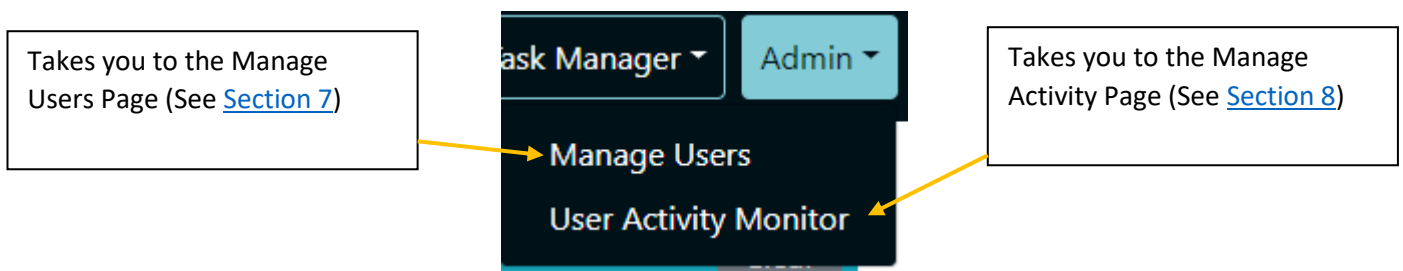


2.1.2 Account



2.2 For Admins

In addition to the above navigation options Admins have one extra menu item on the right side as shown below:



3 Live View

3.1 Summary

This page will display the visits to feeders by birds wearing the RFID rings, it will display visits only for that day and will reset at midnight. As the name suggests, this will update live, so when a new visit is found you will see a notification and you will have the option to refresh to see it. The following section will breakdown the page and how to navigate it.

3.2 Page Explained

common between tables: pages contain this filter bar that will allow you to filter down field to see just what you want, in live view you can search by bird name and you can set the start and end time to show visits from to clear filters just press the button.

[Home](#)

Live View

Task Manager ▾

Account ▾

Filter by...

Bird Name

00:00

to

23:59

Clear

Bird Name	Left Ring Colour	Right Ring Colour	Visit Time
byran	violet, green: stripe	green: solid	7:12 am
dale	maroon, green: stripe	crimson, green: stripe	7:06 am
jerrylee	green, cyan: stripe	orange: solid	6:45 am
winna	aquamarine, green: stripe	indigo, green: stripe	6:30 am
bronson	puce: solid	khaki: solid	6:12 am

Prev123...7Next

Showing 5 entries out of 31

last refresh: 13:24:50

Refresh

Show5entries

common between tables: pages in the page bar to switch to different pages, and an option to select how many rows to display per page if steps of (5, 10, 15, 20, 25, 30, All)

When new visits are found this part of the page will update to reflect this fact, and the refresh button will become available to click and fetch these new visits.

1 new visits found, refresh page to see.

Refresh

4 Bird Table

4.1 Summary

This page can be thought of as your digital studbook, it is here where you will be able to access all information stored on the birds. You can pick and choose what columns you want to see, how you want to filter each column and you can export your onscreen view in to the excel spreadsheet that you have grown accustomed to. The following section will breakdown the page and how to navigate it.

4.2 Page Explained

Export will download an excel spreadsheet of all the currently selected columns, the filters will not be carried over, but this can be done through excel through the top bar -> editing -> sort & filter -> filter. Then all columns will have filter buttons added to use.

Columns can be sorted using the arrows next to column names. Clicking on a bird will open a popup view showing all the data on that bird in a more easily readable form than scrolling along the table row. From there you can also edit data on the bird, pressing the register button will also open a similar view, except all entries will be blank for you to fill in.

View Bird - bronson

Main Information

Bird Name

bronson

Last Seen Date

23/03/2019

Age

3 months, 2 days

NFC Ring ID

gg486

Stud ID

574443

New Stud ID

53vnx3

Right Ring ID

khaki: solid

Left Ring ID

puce: solid

Group Name

Gender

male

Is breeder?

yes

Status

missing

Condition

bit a researcher, it was funny.

+ Condition History

More Information

Where Laid

novigrad

Lay Date

18/10/2018

Where Hatched

novigrad

Hatch Date

21/12/2018

Where Fledged

novigrad

Pledge Date

27/12/2018

Incubation Days

12

Where Released

novigrad

Release Date

15/02/2019

Current Breeding Site

temeria

Distance To Hopper

3.14

Previous Breeding Site

Notes

curabitur at ipsum ac
tellus semper interdum.
mauris ullamcorper purus
sit amet nulla.

Created by

Seth Editor

Created on

06/01/2019

Parents

Mother

reyna

Past Visits

Date

Home

Birds Table

Task Manager

Admin

Account

Register New Bird

More Fields

Export

Clear Filters

Filter by...

Bird Name

Gender

Stud ID

Mother

Father

Status

Breeder

current Breeding

Previous Breedin

Bird Name

Gender

Breeder

Stud ID

Mother

Father

Age

Current Breeding Site

Distance To Hopper (km)

Previous Breeding Site

ardra

female

yes

004459

veronika

byran

2 months, 19 days

bronson

male

yes

574443

reyna

byran

3 months, 2 days

temeria

3.14

byran

unknown

unknown

262988

veronika

cullin

2 years, 16 days

novigrad

1.23

novigrad

chev

male

yes

027587

reyna

byran

2 months, 21 days

coretta

female

no

313997

reyna

cullin

2 months, 19 days

cullin

male

no

089424

reyna

byran

2 months, 27 days

kaer morhen

1

oxenfurt

dale

unknown

unknown

317794

reyna

cullin

3 months

kronos

12

dani

male

yes

597383

reyna

cullin

2 months, 5 days

de

unknown

unknown

810303

reyna

byran

2 months, 13 days

dehlia

unknown

unknown

499013

veronika

byran

2 months, 5 days

elli

female

no

874850

kathe

ierodee

3 months, 4 days

Prev

1

2

Next

Showing 15 entries out of 30

Show

15

entries

Pressing the More Fields buttons will open a popup (see below) allowing you to select exactly which columns you want to see.

Select Columns to View

Bird Identity Data

☒ Name
☐ System ID
☒ Gender
☒ Is Breeder
☐ Last Seen Date
☒ Stud ID
☐ New Stud ID
☐ Has NFC Ring
☐ NFC Ring Printed ID
☐ Left Ring ID
☐ Right Ring ID
☐ Created By

Bird Parentage Data

☒ Mother
☐ Mother Stud ID
☒ Father
☐ Father Stud ID
☐ Second Father
☐ Second Father Stud ID

Bird Status Data

☐ Status
☐ Condition
☐ Note
☒ Age

Bird Creation Data

☐ Lay Date
☐ Laid Where
☐ Hatch Date
☐ Hatched Where
☐ Incubation Days
☐ Fledge Date
☐ Fledged Where
☐ Release Date
☐ Released Where

Nest Site Data

Current Breeding Site

☒ Name
☒ Distance to Hopper (km)
☐ Description
☐ Coordinates

Previous Breeding Site

☒ Name
☐ Distance to Hopper (km)
☐ Description
☐ Coordinates

Cancel

Save & Close

Reset To Default

Select All

Showing 20 entries out of 30

5 Manage Rings

5.1 Summary

Here you will be able to see all the RFID rings currently registered in the system and you can import new rings using the csv file that would be shipped with batch of rings. The following section will breakdown the page and how to navigate it.

5.2 Page Explained

HomeManage RingsTask

Filter by...Printed Ring ID

Printed Ring ID ^	Ring colour v ^	System ID v ^	Assigned v ^	Assigned to Bird v ^	Assign
ah714	green, red : stripe	03e7000000688	Yes	giusto	01/01/1970
ay656	green, yellow : stripe	585a0971f66faf	No	-	-
ba104	blue, red : stripe	58534971f66faa	Yes	veronika	01/01/1970
bl107	yellow, red : stripe	585a0971f66fc9	No	-	-
bu764	green, red : stripe	112233445b6677	No	-	-

Import RFID tags from CSV

Choose fileNo file chosen

Import

Prev123...12Next

Showing 5 entries out of 60

Show5entries

Unassigned rings can be deleted by pressing the dustbin icon, each column can be sorted ascending / descending (i.e. alphabetical / numerical)

From here you can upload the csv file containing the new rings, text will above the import indicating that the file has been validated and how many rings will be imported when the import button is pressed.

6 Manage Nest Sites









6.1 Summary

In this part of the system you can see the registered nest (breeding sites) and edit / add nest sites. The following section will breakdown the page and how to navigate it.

6.2 Page Explained

[Home](#)[Manage Nest Sites](#)[Task Manager](#)[Admin](#)[Account](#)

Add New

Nestsite ID ^	Description ^	Coordinates ^	Distance to hoppers (km) ^	Occupied by (male)	Occupied by (female / unknown)	Actions
kaer morhen	The last remaining stronghold of some very powerful birds, rumoured to have eyes similar to cats.	57.5522, -24.3484	1	cullin	None	 
kronos	A turbulent atmosphere and extremes of both warm and frigid weather.	52.5522, -23.3484	12	None	None	 
novigrad	The capital of the forest, the cradle of culture	57.5522, -20.3484	1.23	None	Byran	 
oxenfurt	Located on the	57.5522, -21.3484	0.11	cullin	tandi	 

Prev12Next

Showing 5 entries out of 9

Show5entries

Create nestsite

Nestsite name

Nest Site Description

Distance to hoppers (km)

Longitude

Latitude

Create

When selecting add new or edit a popup form will show (see left). As with the rings you can also delete nest sites and columns can be sorted using the arrows next to column names.

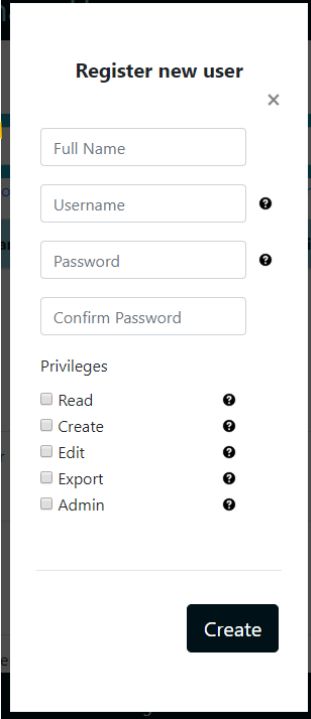
7 User Management

7.1 Summary

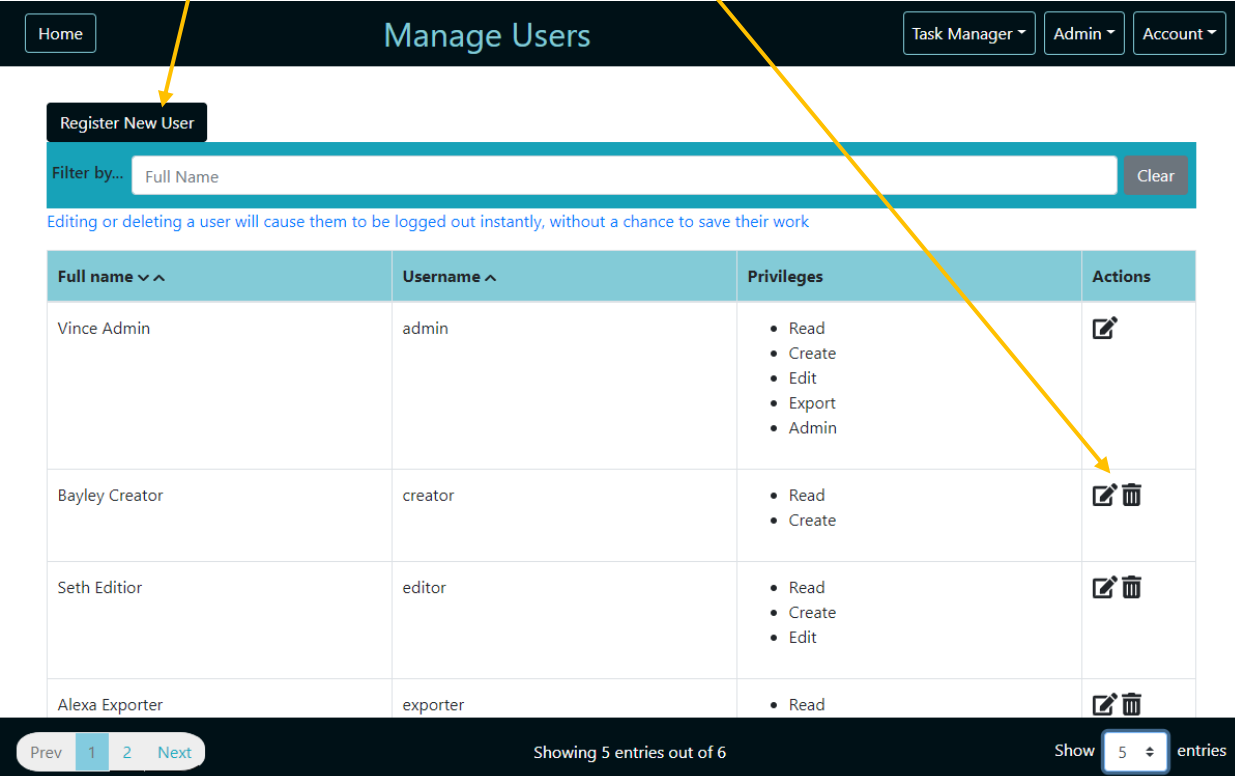
This is an Admin only part of the system, in which admins can add, remove, and edit users on the system. The following section will breakdown the page and how to navigate it.

7.2 Page Explained

When selecting add new or edit a popup form will show (see right). As with the other tables you can delete users provided it is not the super admin and it is not your own account. Columns can be sorted using the arrows next to column names.



A modal form titled "Register new user" with a close button (X) in the top right corner. It contains four input fields: "Full Name", "Username", "Password", and "Confirm Password". Below these fields is a section titled "Privileges" with five checkboxes: "Read", "Create", "Edit", "Export", and "Admin". Each checkbox has a help icon (i) to its right. At the bottom right of the form is a "Create" button.



The "Manage Users" page features a dark header with a "Home" button, the title "Manage Users", and navigation links for "Task Manager", "Admin", and "Account". A "Register New User" button is located on the left. Below the header is a filter bar with a "Filter by..." dropdown set to "Full Name" and a "Clear" button. A warning message states: "Editing or deleting a user will cause them to be logged out instantly, without a chance to save their work". The main content is a table with four columns: "Full name", "Username", "Privileges", and "Actions". The table lists four users: Vince Admin, Bayley Creator, Seth Editor, and Alexa Exporter. Each user row has an edit icon and a delete icon in the "Actions" column. At the bottom, there is a pagination bar with "Prev", "1", "2", and "Next" buttons, a "Showing 5 entries out of 6" indicator, and a "Show 5 entries" dropdown.

Full name	Username	Privileges	Actions
Vince Admin	admin	<ul style="list-style-type: none">ReadCreateEditExportAdmin	
Bayley Creator	creator	<ul style="list-style-type: none">ReadCreate	
Seth Editor	editor	<ul style="list-style-type: none">ReadCreateEdit	
Alexa Exporter	exporter	<ul style="list-style-type: none">Read	

8 User Activity Monitor

8.1 Summary

Another admin only section, here the admins can view all interactions that the users make with the system, if someone edits data, deletes a bird, etc then this is the place to see who done it, and what exactly what changed. The following section will breakdown the page and how to navigate it.

8.2 Page Explained

User Activity Monitor						
Filter by...	Username	2019/02/22 14:52<	2019/03/22 14:52>	Action	Old Data	New Data
						Clear
Date ▾	User ▾ ^	Action ▾ ^		Data		
22/03/2019, 14:47:58	Vince Admin (admin)	Imported RFID tags		👁		
22/03/2019, 14:45:50	Vince Admin (admin)	Deleted a RFID tag		👁		
22/03/2019, 14:40:50	Vince Admin (admin)	Deleted a RFID tag		👁		
22/03/2019, 14:04:51	Vince Admin (admin)	Edited user account		👁		
22/03/2019, 13:43:45	Vince Admin (admin)	Edited user account		👁		
14/03/2019, 12:15:58	Vince Admin (admin)	Deleted a RFID tag		👁		
14/03/2019, 11:34:45	Roman Superadmin (superadmin)	Created new user account		👁		

View Data

X

New data

updatedAt: 1553263491169,
fullName: Seth Creator

Old data

fullName: Bayley Creator

If you want to see exactly what has been changed you can press the eye icon and you will see a popup showing the new data and the old data.

9 My Profile

9.1 Summary

This simple page will allow you to change your name and password in the system. The following section will breakdown the page and how to navigate it.

9.2 Page Explained

The screenshot shows the 'My Profile' page within an 'Account Overview' dashboard. The page is divided into two main sections: 'Personal information' and 'Password'. The 'Personal information' section displays the user's name as 'Alexa Exporter', username as 'exporter', registration date as '15/03/2019', and privileges as 'Read' and 'Export'. An 'Edit profile' button is located to the right of this section. The 'Password' section has a 'Change password' button. Yellow arrows point from a text box on the right to the 'Name' field, the 'Edit profile' button, and the 'Change password' button.

On this page you can change your Full name (in this current release, username cannot be changed for accountability tracking of changes, if you want a new username you will need a new account). Your permissions can not be changed either, this can only be done by your project coordinator or any other person with admin access. You can also change your password here.

10 Error Recovery - UNFINISHED

10.1 Common Solution

For most random issues, a refresh of the page should be all that's needed to get going again, for more special cases see the following sections for help.

10.2 No Data from Feeders