

# THE BLACK EAGLE PROJECT

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**User Manual for Ornithologists, Wind Farms and Admins**

# Common pages for Ornithologists and Wind Farms

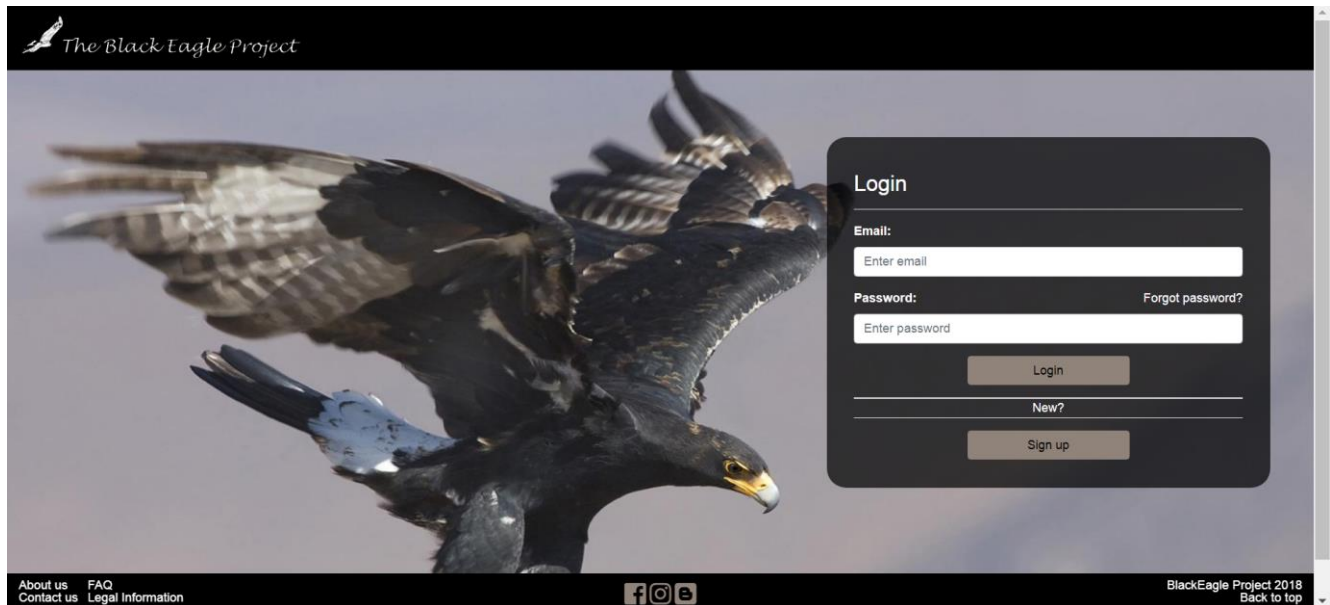
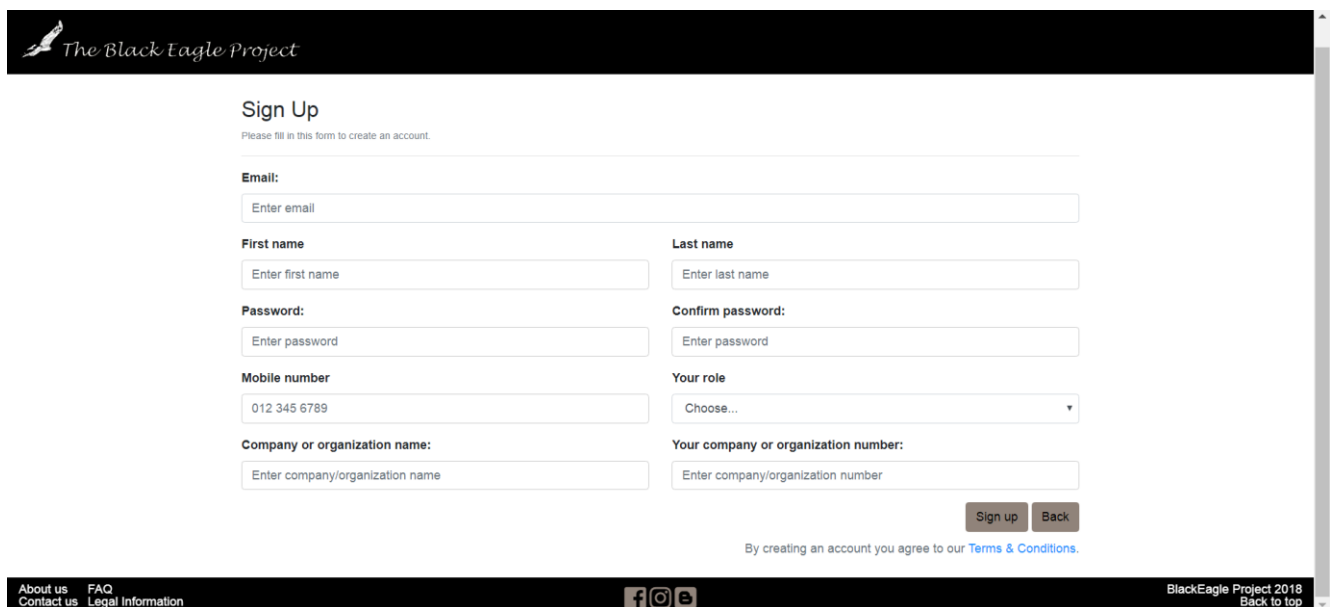



Figure 1. Login page

Upon arriving at the website, you will be presented with the above page. While on this page you have access to the following pages: About us, FAQ, Contact us and Legal information by pushing the respective buttons in the bottom navigation bar. You may login into the website by typing in the email and password you gave when registering for the site. If you have forgotten your password, you can push the “forget password?” button and you will be redirected to Figure 2 below. Alternatively if you don’t have an account you can press the “Sign up” button and you will be redirected to the sign up page(figure ##)/



This is the sign up, it will allow a user to sign up to the site as either an Ornithologist or Wind Farm.

To register with the site you will need to input all the necessary information into the text boxes provided, your name, surname, email, password, mobile number, your role (Ornithologist or wind farm), your company/governing organization as well as your ID within that organization. There are a number of inputs that will be checked for their validity and the upload will be rejected if they don't conform to certain formats; this would include instances where the given password is shorter than six characters long, the given email does not include an @ symbol or a "." and if the mobile number is not ten characters long. If all of these inputs are correct you can push the "Submit" button and you will receive a confirmation message when your details have successfully been uploaded to the database as well as informing you that site admins will be validating your request shortly.



The Black Eagle Project

### Forgot Password?

You can reset your password here.

Reset Password

Back


[About us](#)
[FAQ](#)
[Contact us](#)
[Legal Information](#)

[f](#)
[i](#)
[t](#)

BlackEagle Project 2018  
Back to top

Figure 2. Forget password screen

When you arrive at the forgotten password page you will need to provide an email for the reset password email to be sent to. This email needs to be the same email you provided when you signed up for the site. When you have typed this email into the “Enter email” box, press the “Reset Password” button and you will get a confirmation that the reset email has been sent to you. Pressing the “Back” button will take you back to the login screen.



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[My Nest Sites](#)
[Edit Account](#)
[Sign Out](#)

### Edit account

<b>First name</b> <input type="text" value="Second"/>	<b>Last name</b> <input type="text" value="Test"/>
<b>Password:</b> <input type="text" value="Enter password"/>	<b>Confirm password:</b> <input type="text" value="Re-enter password"/>
<b>Mobile number</b> <input type="text" value="012 345 6789"/>	<b>Email:</b> <input type="text" value="second@test.com"/>

Update

[About us](#)
[FAQ](#)
[Contact us](#)
[Legal Information](#)

[f](#)
[i](#)
[t](#)

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Figure 3. Edit account details page

Should you ever need to edit your details on the site, simply press the “Edit Account” button in the top navigation bar and you will be redirected to this page. Once on this page you will be shown your current details and you may update all your details except for your role and organization/organization ID. When updating your password, you will need to enter your new password in the password and confirm password text inputs boxes. Again, the inputs will be checked for their validity and the upload will be rejected if they don’t conform to certain formats; this would include instances where the given password is shorter than six characters long, the given email does not include an @ symbol or a “.” and

if the mobile number is not ten characters long. When you have updated your details to your satisfaction, press the “Update” button and you will receive a message telling you that your changed details have been updated to the database.

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My Nest Sites Edit Account Sign Out

### Contact Us

First name

Last name

Email

Mobile number

Message

Send message Back

About us Contact us FAQ Legal Information

Facebook Instagram Twitter

BlackEagle Project 2018 Back to top

Figure 4. Contact us page

Should you ever need to contact the site administrators you will need to navigate to the contact us page by clicking the “Contact us” button in the lower navbar. Once there you will be required to input a name, last name, email address as well as a message in the appropriate boxes to be allowed to send a message, providing your mobile number is optional. The email and mobile number will be checked for validity before you are allowed to send a message, this would include checking that your mobile number is ten characters long and your email address includes the “@” symbol and a “.”. Once you have filled out the necessary information and typed a message into the message box, push the “Send message” button and you will be given a confirmation message when your message has sent.

## Ornithologist pages

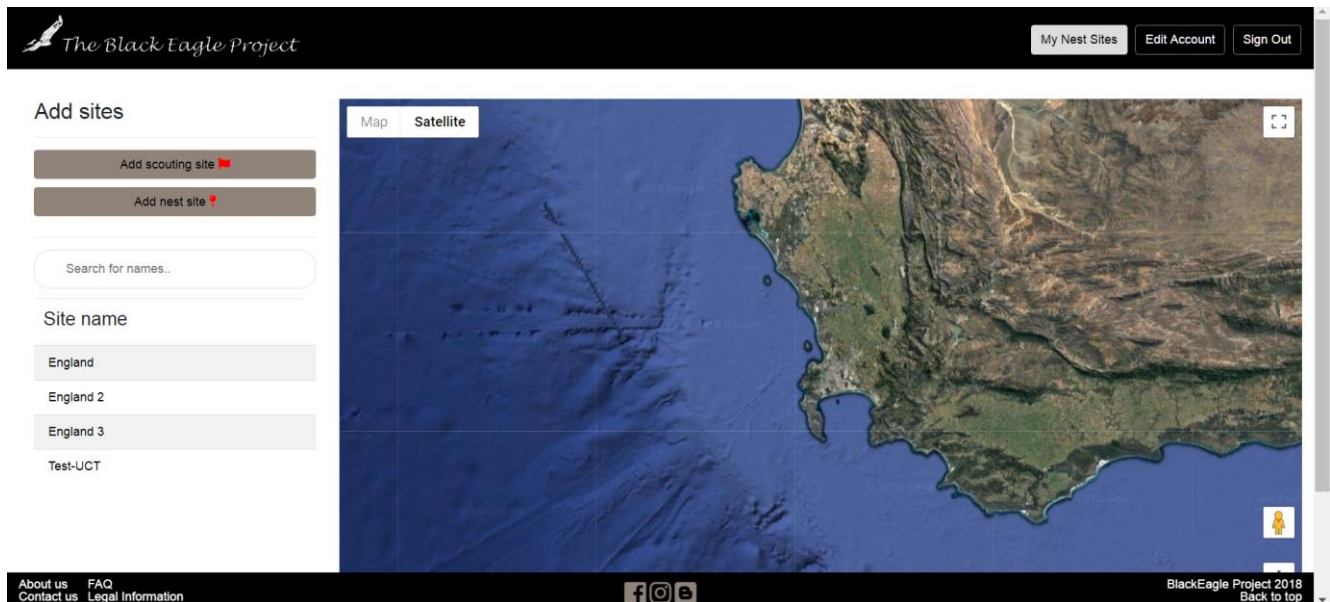


Figure 5. Ornithologist dashboard

This is the ornithologist dashboard.

This is where you will be redirected to after you successfully login if you are an ornithologist and have been validated as an ornithologist by the site admins. In the left toolbar you are provided with three functionalities. You may add a scouting site to the database by pushing the “Add scouting site” button (which will open the window to Figure 7.). You may add a nest site/multiple nest sites to the database by pushing the “Add nest site” button (which will open the window to Figure 6.). Lastly, you may search through your previously entered scouting locations using the search bar and, using the map on the right of the screen, navigate to and view these sites by pushing the buttons in the Site name table which will center your map to your chosen scouting site.

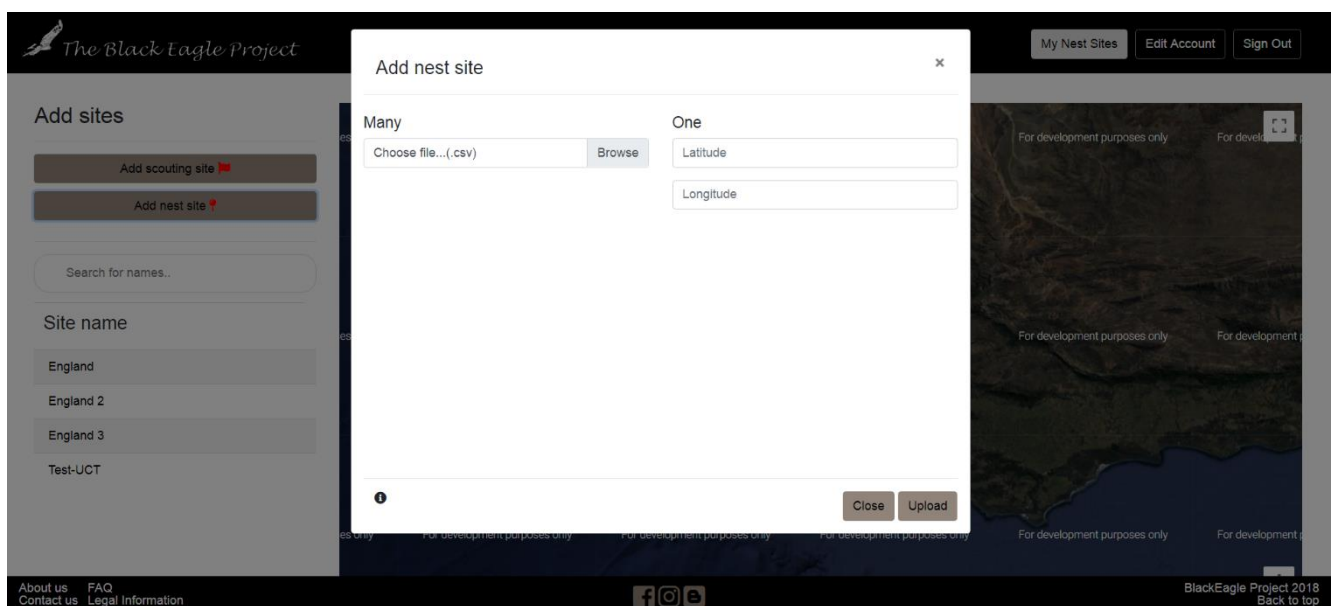


Figure 6. Add nest page

When adding a nest site, you may either add one nest at a time using the latitude and longitude input areas under the “One” heading or you may upload many nest sites at a time by uploading a csv into the file chooser under the “Many” heading. When you have finished performing either of these actions press the “Upload” and you will receive a confirmation message when the site has been successfully uploaded. Please note, this csv file **MUST** take on the format shown in Figure 7 for the system to read in the data correctly and latitudes and longitudes must be in the form of a point “.” Separated number with up to six decimal places

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Latitude	Longitude																	
2	6	3																	
3	27	33																	
4	29	63																	
5	54	87																	
6	94	93																	
7	83	87																	
8	36	12																	
9	2	46																	
10	0	27																	
11	86	50																	
12	74	89																	
13	51	28																	
14	36	41																	
15	15	70																	
16	64	39																	
17	49	66																	
18	17	45																	
19	61	68																	
20	2	42																	
21																			
22																			

Figure 7, CSV format

The Black Eagle Project
Add sites
Add scouting site
Add nest site
Search for names...
Site name
England
England 2
England 3
Test-UCT
About us
FAQ
Contact us
Legal Information

Add scouting site
Site name
Latitude
Longitude
Close
Upload

My Nest Sites
Edit Account
Sign Out

Figure 8. Add scouting site page

When adding a scouting site, you must provide exact latitude and longitude coordinates (with up to six decimal places and point “.” separated) as well as a name for your site that you can remember. When you have provided this information press the “Upload” button and you will receive a

confirmation message when the scouting site has been successfully uploaded. It will then show up in your scouting locations table in the left-hand toolbar.

## Wind Farm pages

The screenshot shows the 'The Black Eagle Project' dashboard. At the top, there is a navigation bar with the project logo on the left and three buttons: 'My Turbine Sites', 'Edit Account', and 'Sign Out'. Below the navigation bar is a search bar with the placeholder text 'Search for names..' and an 'Add +' button to its right. The main content area features a 'Site name' label above a text input field containing the word 'Test'. To the right of this input field is a 'Generate report' button. At the bottom of the page is a footer with links for 'About us', 'Contact us', 'FAQ', and 'Legal Information', social media icons for Facebook, Instagram, and Twitter, and text indicating 'BlackEagle Project 2018' and a 'Back to top' link.

Figure 9. Wind farm dashboard

This is the Wind farm dashboard, this is where you will be redirected when you successfully login and have been validated as a Wind farm by the site admins. When on this page you will be presented with a table of all the potential wind turbine sites that you have uploaded to the database in the middle of the screen. To add sites to the database you will press the “Add+” button in the top right corner, this will redirect you to figure ##. Once you have added one or more sites to the database you can filter your site table by using the search bar at the top of the screen. When you have found the site you are looking for you can click the “generate report” button to initiate a file download of a risk report for the given site.

The screenshot shows the 'Add site' modal form overlaid on the dashboard. The modal has a title bar with 'Add site' and a close button (x). It contains a 'Site name' input field. Below this are six file selection options arranged in two columns. The left column has three 'Required' fields: '.shp', '.shx', and '.dbf'. The right column has three 'Optional' fields: '.sbn', '.sbx', and '.prj'. Each field has a 'Choose file...' label and a 'Browse' button. At the bottom of the modal are 'Close' and 'Upload' buttons. The background shows the same dashboard interface as Figure 9.

Figure 10. Add wind turbine site page

When you click the “Add+” button you will be presented with this window. When uploading a shapefile to the database you will be required to upload three mandatory shape files (.shp,.shx and .dbf) and you have the option to upload between one and three optional shapefiles (.sbn,.sbx and .prj). When you have successfully uploaded all the necessary files press the “Upload” button and you will receive a confirmation message when your sites have been uploaded. NB: All uploaded shape files need to have the same name when you upload them (e.g. Farm.shp).

## Admin pages

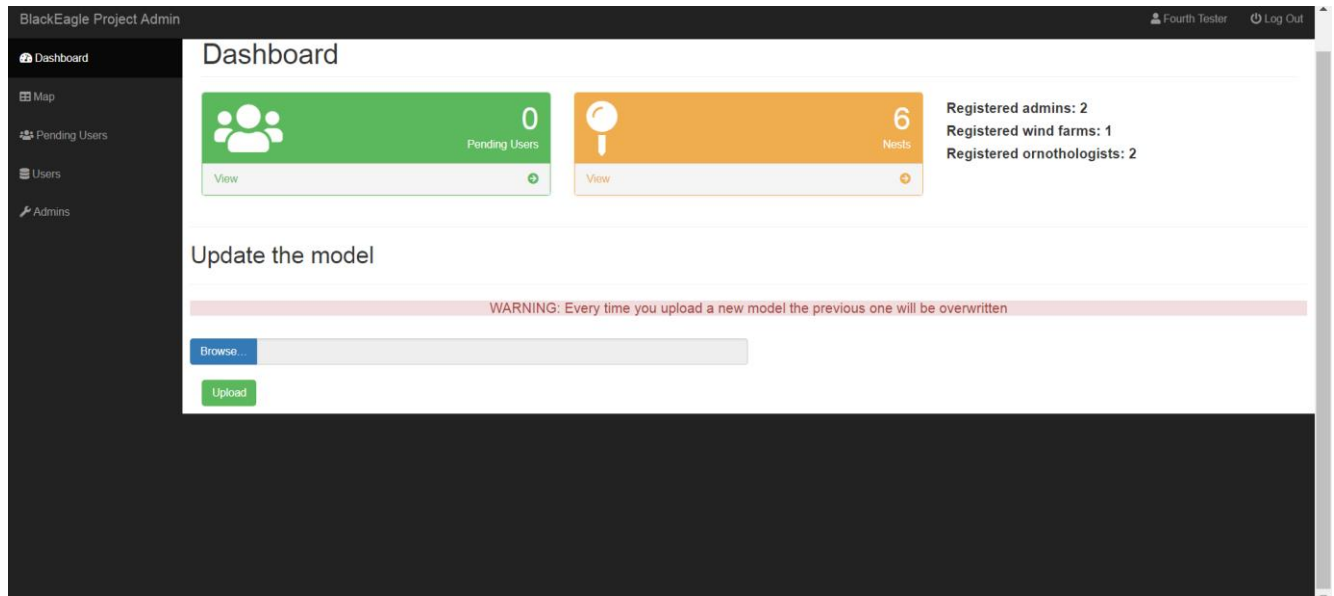


Figure 11. Admin dashboard page

This is the admin dashboard page, only admins have access to this page.

While on the admin dashboard page you have access to the following functionalities: You can view all numbers of the different users currently stored in the database(admins, wind farms and ornithologists) by looking at the right hand table, you can navigate to a page showing you all the users pending your approval by pushing the arrow or “view” button in the box that reads “pending users”(figure ##), you can view all the nest coordinates currently stored in the database by clicking on the arrow or “view” button in the box that reads “nests” and finally by using the file chooser at the bottom of the page under “Update the model” and clicking the “Upload” button, this will update the model on the backend of the site to be used in risk calculations, when the model has been successfully uploaded you will receive a confirmation message indicating the upload and update was successful.

While on the Admin dashboard you may also access the following pages and functionalities by doing the following:

- you may access the map showcasing all the nests in the database on a map by pressing the “map” button in the left-hand navigation bar (this will redirect you to figure ##),
- you may access the pending users page by pressing the “Pending users” button in the left-hand navigation bar (this will redirect you to figure ##),
- you may access the user database page by pressing the “Users” button in the left-hand navigation bar (this will redirect you to figure ##),
- you may access the admin database page by pressing the “Users” button in the left-hand navigation bar (this will redirect you to figure ##)
- To logout of the page you can use the “Logout” button on the top right of the screen



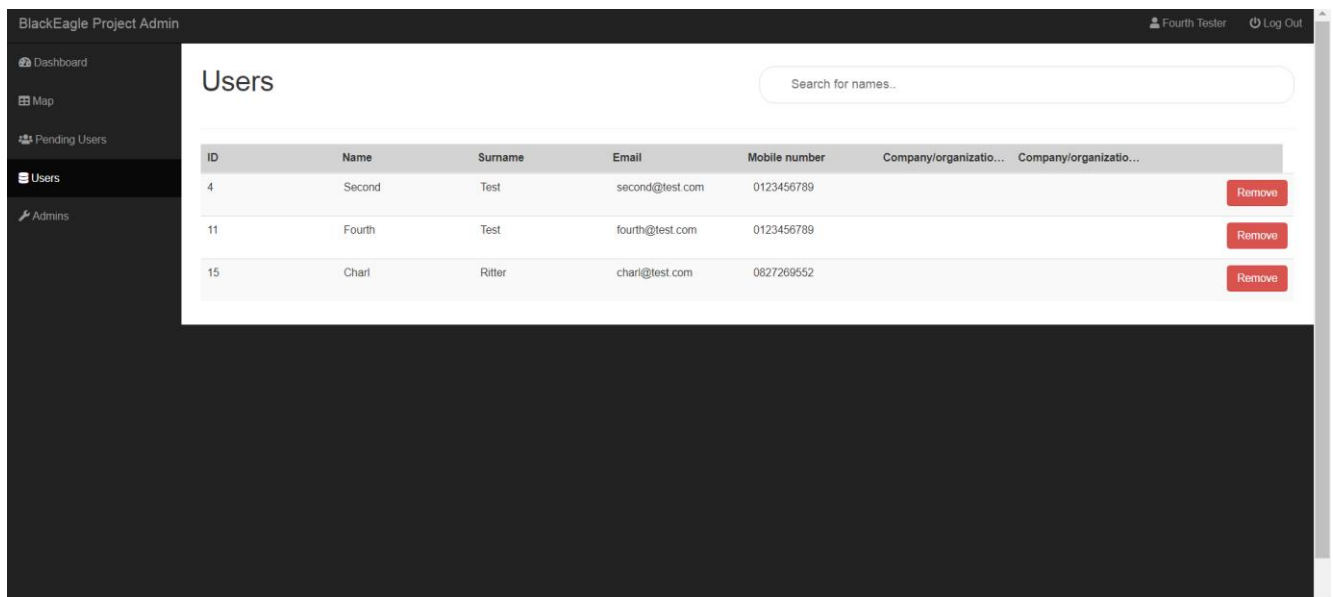
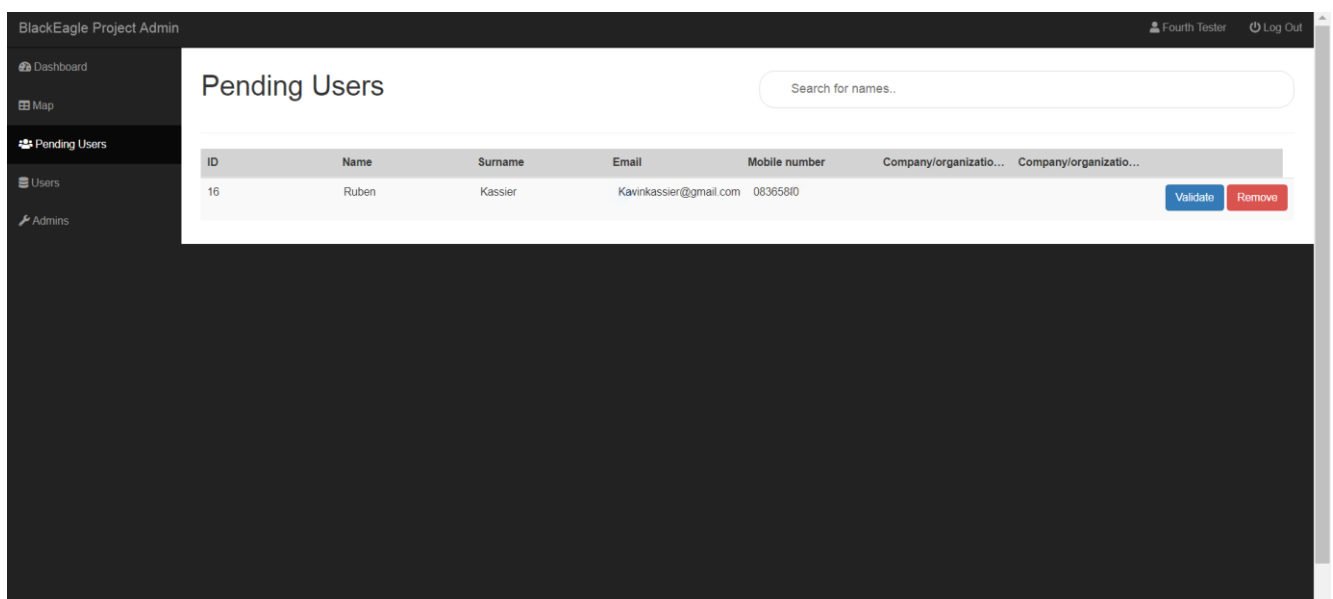


Figure 12. User database page

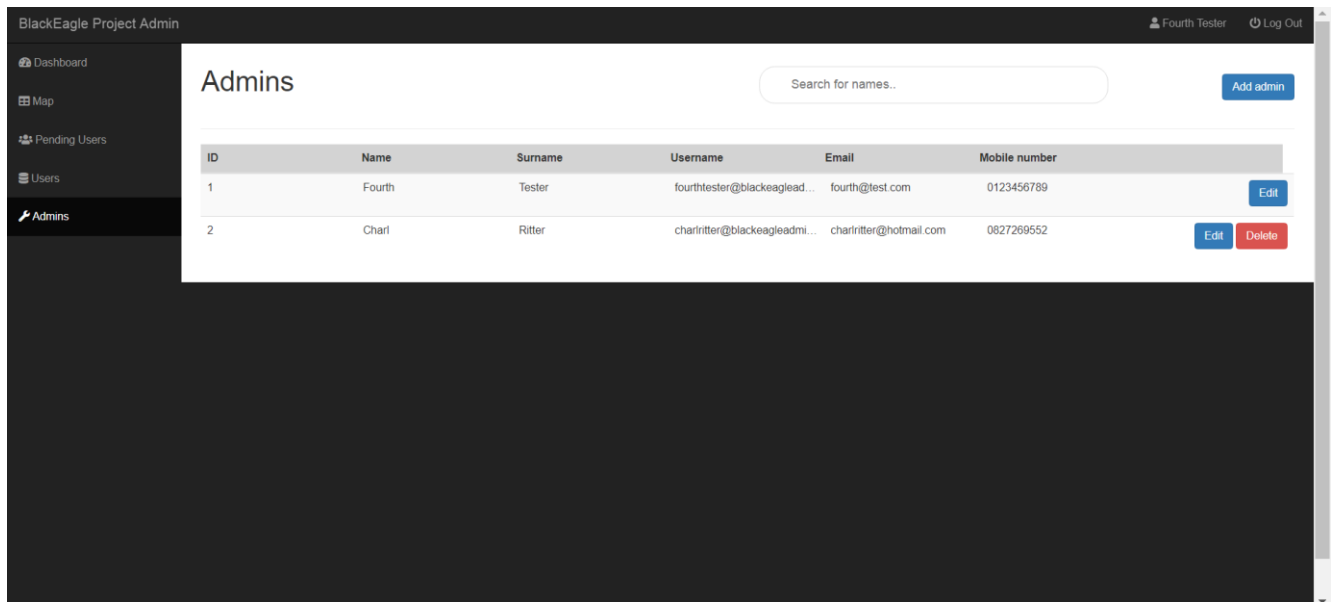
This is the Users page, it lets admin see the details of all users in the site database including their name, surname, email, mobile number, Organization and organization number.

You can use the search bar at the top of the page to filter the table for the user you are looking for and you can remove the user from the database using the “Remove” button next to the user’s name. If a user is removed from the site it will prevent them from accessing the site in future.



This is the pending users page.

It will show you all users that are awaiting admin approval to be able to access the site and its functionalities. You can search through the pending user by using the search bar at the top of the page, you can validate a user by using the “Validate” button, thereby adding the user to the database, and if you decide to reject the user access to the site you can press the “Remove” button. Pressing both the validate and remove buttons will remove the user from the Pending users table.



This is the Admins page, it lets admins see the details of all admins in the site database including their name, surname, email and mobile number.

You can use the search bar at the top of the page to filter the table for the user you are looking for and you can remove the user from the database using the “Delete” button next to the admins name and this will give you a confirmation message when it has completed, you will be unable to delete yourself as a site admin. If an admin is deleted from the site it will prevent them from accessing the site in future. Additionally, you can edit the details of a site admin by pressing the “Edit” button next to the user’s name, this will redirect you to the edit users page (figure ##). If you want to add an admin to the database, you will need to press the “Add admin” button at the top right of the screen and this will redirect you to the Add admin page(figure ##)

**Add Admin**

First name:

Last name:

Password:

Confirm Password:

Email:

Mobile number:

This is the add admins page, it will allow one admin to add another admin to the site database. To add an admin to the site you will need to input all the necessary information into the text boxes provided, the users email, password and mobile number will be checked for their validity and the submit will be rejected if they don’t conform to certain formats; this would include instances where the given password is shorter than six characters long, the given email does not include an @ symbol or a “.” and if the mobile number is not ten characters long. If all of these inputs are correct you can push the “Submit” button and you will receive a confirmation message when the admin has been correctly added to the database

BlackEagle Project Admin

Fourth Tester Log Out

Dashboard

Map

Pending Users

Users

Admins

## Edit Admin

**First name**

Charl

**Last name**

Ritter

**Password:**

Enter password to change

**Confirm Password:**

Enter password to change

**Email:**

charlritter@hotmail.com

**Mobile number**

082 726 9552

Submit Back

This is the edit admin page, it will allow an admin to edit their own details.

You will be shown all your current details in this page in their respective text boxes.

To edit your details you will need to input all the necessary information into the text boxes provided, the users email, password and mobile number will be checked for their validity and the submit will be rejected if they don't conform to certain formats; this would include instances where the given password is shorter than six characters long, the given email does not include an @ symbol or a "." and if the mobile number is not ten characters long. If all of these inputs are correct you can push the "Submit" button and you will receive a confirmation message when your details have successfully been updated.