

1 User Interface Specification

1.1 Interface Design Rules

1.2 GUI Components

Note the GUI components or API's provided in the development environment that you plan on using. (1 paragraph + table)

1.3 GUI Components

Provide a detailed description of the user interface including screen images. You may prefer to reference an appendix containing the screen snapshots. (1 – 4 pages)

UI-001 Home page – Enter username and Password (username = test and password=test)



Username and Password validation



Java Image Recognition Toolkit for Biosecurity Surveillance

Username:

Password:

Login

Username and/or password cannot be empty



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Username:

Password:

Login

Name must be at least 4 characters long

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Username: wronguser

Password: ●●●●●

Login

username and password does not match our databae

UI-002 Main homepage (After authentication)

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Logout test

HomeIdentifyForumUser GuideAbout ProjectProfile

Welcome to JIRTBIOSS


</table



Like Snapshot Serengeti we need a very easy to use interface for users to interact with camera trap photos and to rapidly browse provide identification information for the hundreds of thousands images that a typical deployment collects.

This software will play a critical role in the biosecurity surveillance program, allowing a database of identifications to be collected to train machine learning algorithms in automated identification, to manage identifications of species from images across a team of observers and also to manage records of who has viewed and downloaded which images.

UI-003 Image Identification Page



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Image Identifications for Data collections

Finish

☐ No Animal



Looks Like

Color

Scale

Pose

Rabbit

Wild cat

Wild mouse

unknown

possum

UI-004 Identification filters

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Image Identifications for Data collections

Finish

☐ No Animal



Kangaroo

Color

Scale

Pose

Kangaroo

Kangaroo

Kangaroo

Kangaroo

Kangaroo

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UI-005 Browse and request a next image



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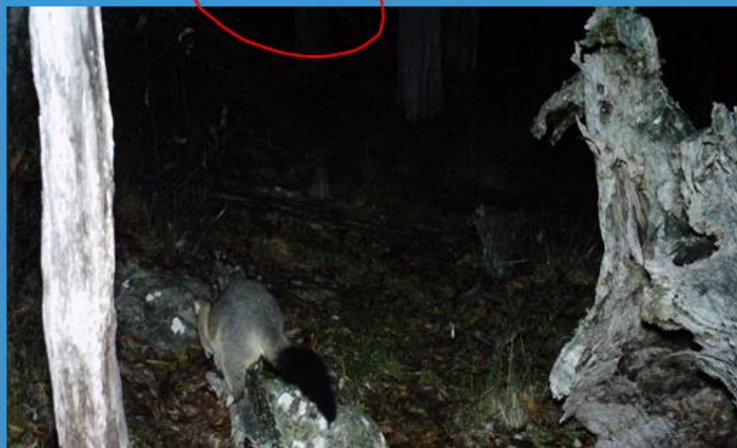
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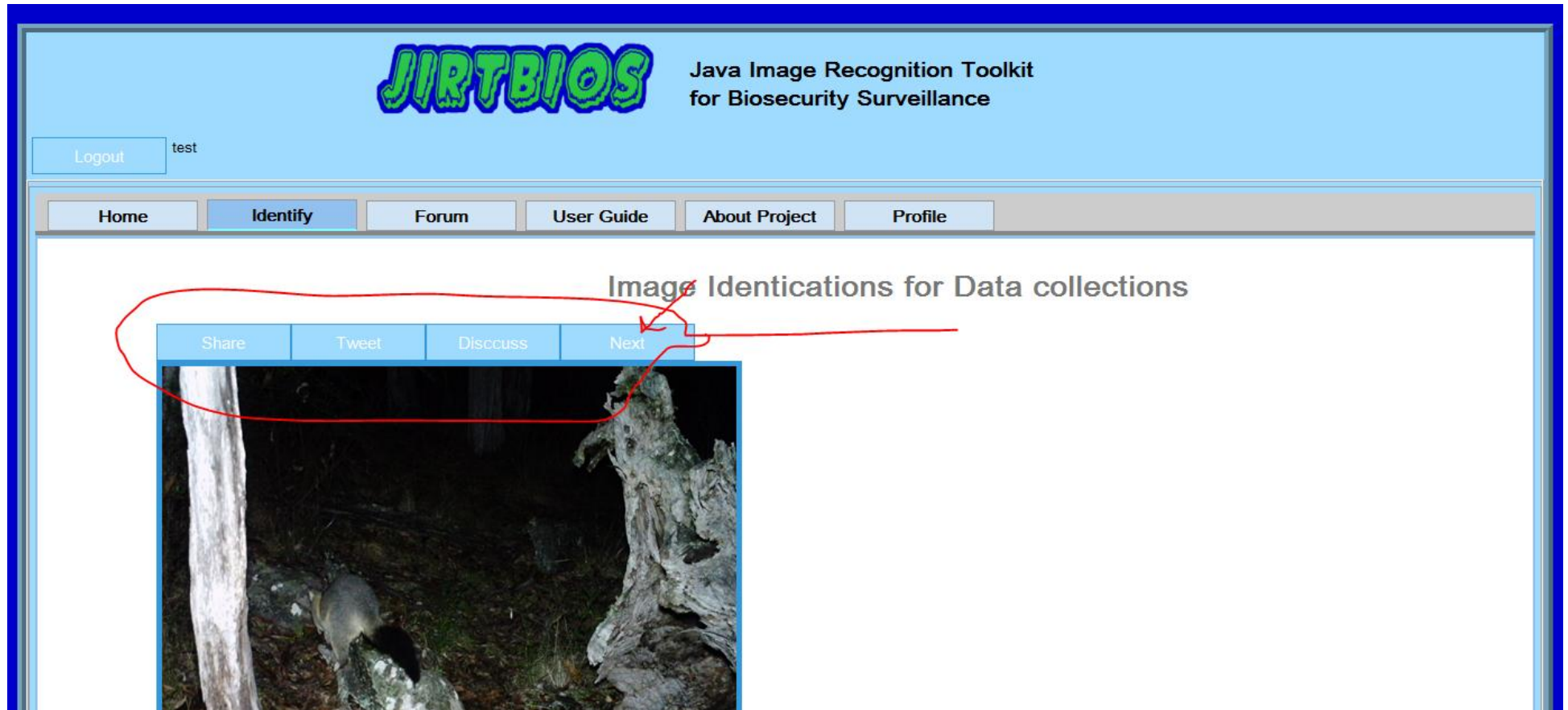
Image Identifications for Data collections

Finish

☒ No Animal



UI-005.1 Requesting new image



UI-005.2 New image displayed



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for Biosecurity Surveillance

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test

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Image Identifications for Data collections

Finish

☐ No Animal



Kangaroo

Color

Scale

Pose

Kangaroo

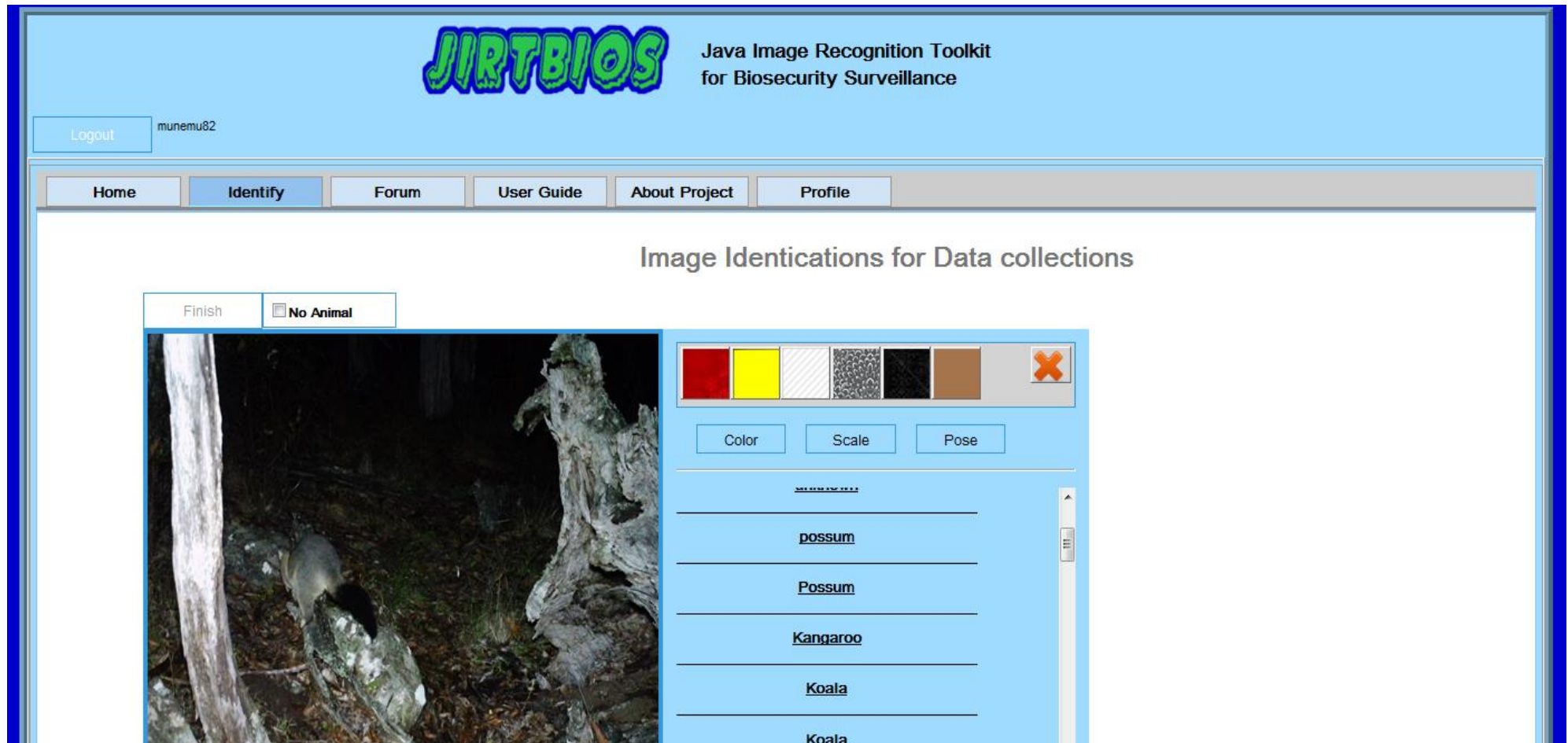
unknown

Kangaroo

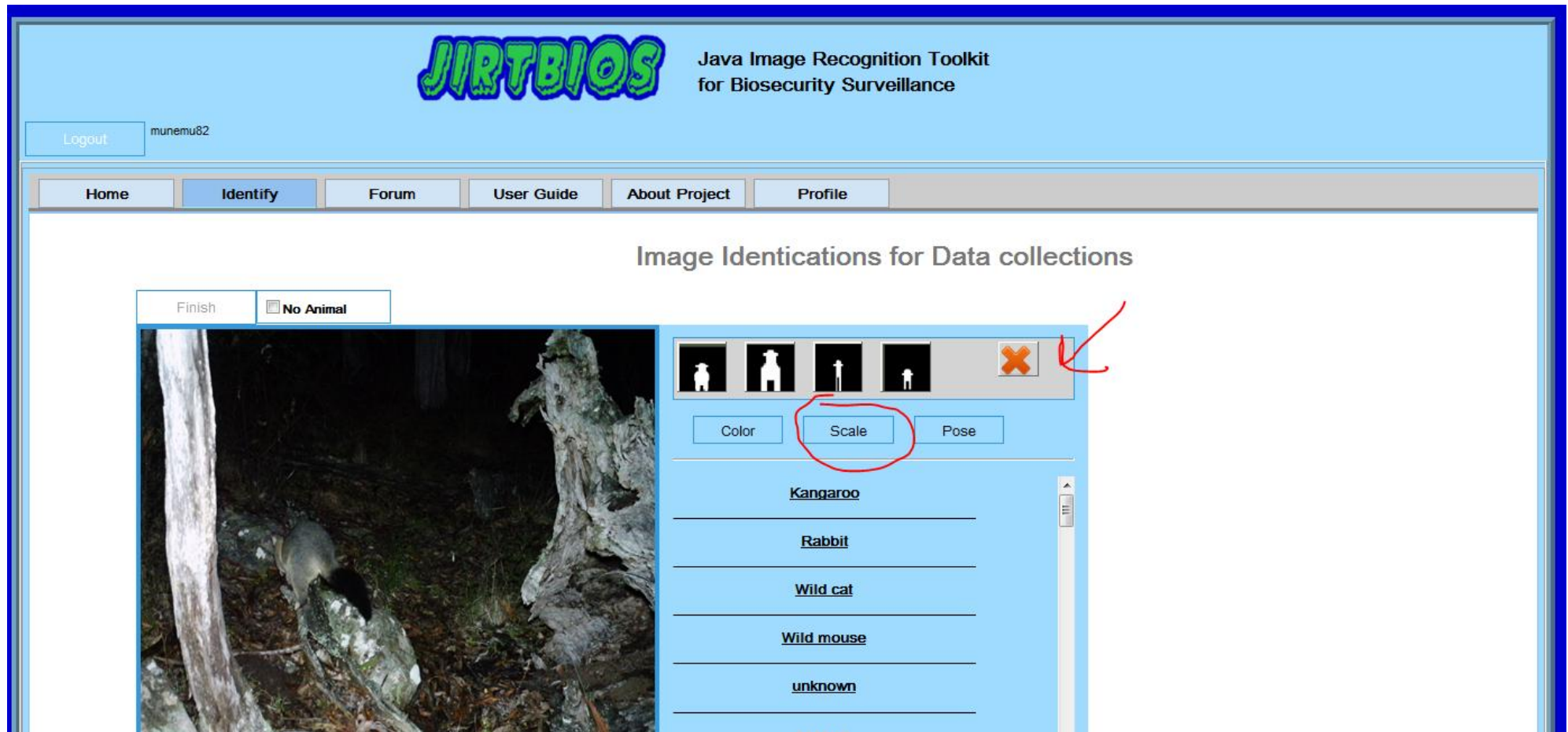
Kangaroo

UI-006 Filter and Select Species

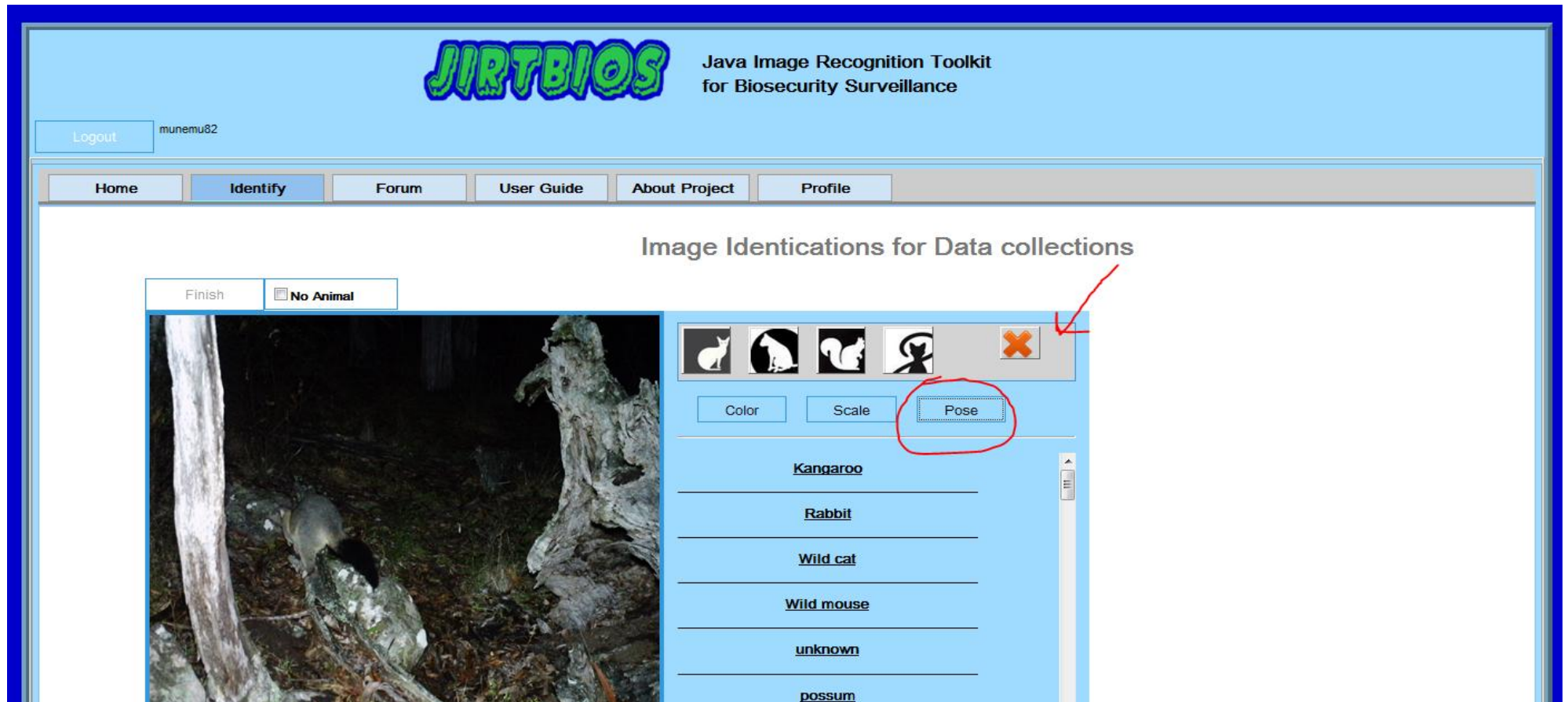
UI-006.1 filter by Color



UI-006.2 filter by Scale



UI-006.3 filter by Image pose



UI-006.4 filter by similar species (looks like)

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Logout

munemu82

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Image Identifications for Data collections

Finish

☐ No Animal



Kangaroo

Color

Scale

Pose

Kangaroo

unknown

Kangaroo

Kangaroo

Kangaroo

Kangaroo

UI-006.4 Make final selection of species (Kangaroo selected)

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Image Identifications for Data collections

Finish

☐ No Animal





ScoutGuard08.01.2013 23:52:44

Kangaroo

Jdfhdshfjdsfhgdfdsfjhdshfjkdshfj - this should all come from the database

Add Comments/Notes

How many: 1 2 3 4 5 6-10 11-50 51+

Behavior: ☒ Standing ☐ Resting ☐ Moving ☐ Eating ☐ Interacting

☐ Young present

Cancel

Identify

UI-006.1 Final identification

Logout

test

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Image Identifications for Data collections

Finish

☐ No Animal



Kangaroo

Color

Scale

Pose

Message from webpage



image28: identified as Kangaroo recorded successfully

OK

UI-006.2 Finish and go to next image

