PackDoption System Test Plan

Document Author: Michael Pacheco
                                Dania Swelam

Date: July 18, 2024

Introduction

The System Test Plan provides test cases that will run through exercises to ensure the functionality of the PackDoption is correctly implemented. Load up eclipse and open the PackDoption Project. To run the system tests, first prepare the test file by saving the provided test file content into a text file (e.g., rescue_records.md) and placing it in the designated directory within the project. To run the application, Right-click on the PackDoptionGUI and select Run As > Java Application. Once the Application starts, use the provided buttons in the GUI to run the system tests.

Test Files

rescue_records.md

Ms. Wuf's Rescue
* Cat,Loki,3/14/2004,SMALL,false,true,4/8/2004,true,5/13/2004,Ethan and Family,NOTES,3/14/2004 Born in NC
* Cat,Lily,5/14/2011,SMALL,false,true,6/23/2011,NOTES
* Cat,Leo,2/20/2019,SMALL,true,false,7/8/2019,true,7/26/2019,Mason and Family,NOTES,2/20/2019 Born in VA,7/8/2019 Entered Shelter
- Lily,5/14/2011

NCSU Rescue
* Dog,Jack,3/9/2001,LARGE,true,true,6/1/2001,POINTER_GERMAN_SHORTHAIRED,NOTES,3/9/2001 Born in NC
* Dog,Duke,2/29/2004,LARGE,true,true,7/21/2004,true,7/28/2004,Olivia and Family,ROTTWEILER,NOTES,2/29/2004 Born in NC
* Cat,Jack,4/21/2011,MEDIUM,false,true,8/27/2011,NOTES,4/21/2011 Born in VA,8/27/2011 Entered Shelter
* Cat,George,6/25/2011,MEDIUM,true,true,8/12/2011,true,8/12/2011,James and Family,NOTES
- Jack,3/9/2001
- George,6/25/2011
- Duke,2/29/2004

System Tests

Write at least 5 tests. We will grade the first five. Your tests should consider more complex scenarios than basic system startup and an invalid test file.

Test ID	Description	Expected Results	Actual Results
Test1: loadValidFIle	Preconditions: None 1. Start PackDoptionGUI 2. Click on File and select Load 3. In the file chooser dialog select: test-files/rescue_records.md 4. Click Open 5. Clear the Date section and Enter "7/30/2021" 6. Select Ms. Wuf's Rescue 7. Check Results 8. Click View Animals 9. Check Results 10. Click Back to Rescue	The PackDoptionGUI loads. The rescue name Ms. Wuf's Rescue and NCSU Rescue is shown in the Rescues section. The Date is 7/30/2021. Lily is shown in the Veterinarian Appointments After clicking View Animals the following information is displayed in the Animals section: - Name: Loki, Type: Cat, Birthday: 3/14/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue: - Name: Lily, Type: Cat, Birthday: 5/14/2011, Age: 10, Age Category: ADULT, Adopted: No, Days in Rescue: 3687 -- Name: Leo, Type: Cat, Birthday: 2/20/2019, Age: 2 Age Category: YOUNG, Adopted: Yes, Days in Rescue:	The GUI loads with Ms. Wuf's Rescue in the Rescues section and Lily appearing in the Veterinarian Appointments section. The Date is 7/30/2021. The following information is displayed in the Animals section: - Name: Loki, Type: Cat, Birthday: 3/14/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue: - Name: Lily, Type: Cat, Birthday: 5/14/2011, Age: 10, Age Category: ADULT, Adopted: No, Days in Rescue: 3687 -- Name: Leo, Type: Cat, Birthday: 2/20/2019, Age: 2 Age Category: YOUNG, Adopted: Yes, Days in Rescue:

Test2: addRescueInvalid	Preconditions: Test1 has passed 1. Make sure no Rescue is selected (Click Unselect Rescue if needed) 2. Click Add Rescue 3. Check Results 4. Click OK	A pop-up dialog appears with error message "Cannot add Rescue with empty name".	A message box appears with error message "Cannot add Rescue with empty name."
Test3: updateAnimalInformation	Preconditions: Test1 has passed 1. Select NCSU Rescue 2. Click View Animals 3. Select Duke from the animal list 4. In the animal details area, select the drop-down next to Animal Size and select MEDIUM 5. Click Edit 6. Click Back to Rescue 7. Select NCSU Rescue and click View Animals 8. Select Duke from animal list 9. Check results 10. Click Back to Rescue	After updating the animal, the following information is shown in the animal details section: Animal Type: Dog, Animal Name: Duke, Animal Birthday: 2/29/2004, Animal Size: MEDIUM, House Trained: Yes, Good with Kids: Yes, Date Enter Rescue: 7/21/2004, Date Adopted: 7/28/2004, Owner: Olivia and Family, Animal Notes: -2/29/2004 Born in NC	The Animal size was updated from LARGE to MEDIUM for Duke and the rest of the animal details remained the same.
Test4: addAnimalToVetQueue	Preconditions: Test1 has passed 1. Select Ms. Wuf's Rescue 2. Click View Animals 3. Select Loki from animal list	The following information is shown in the Veterinarian Appointments section: - Name: Lily, Type: Cat, Birthday: 5/14/2011, Age: 10, Age Category:	Loki was added to the Veterinarian Appointments alongside Lily with the following information in the section: - Name: Lily, Type: Cat, Birthday: 5/14/2011, Age: 10, Age Category:

	4. Click Add Animal to Vet Queue 5. Click Back to Rescue 6. Check Results	SENIOR, Adopted: No, Days in Rescue: 3687 - Name: Loki, Type: Cat, Birthday: 3/14/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue:	SENIOR, Adopted: No, Days in Rescue: 3687 - Name: Loki, Type: Cat, Birthday: 3/14/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue:
Test5: removeAnimalFromQueue	Preconditions: Test1 has passed 1. Select NCSU Rescue 2. Click Info for Next Appointment 3. In the Note for Next section enter "Appointment canceled" 4. Click Remove Next & Add Note 5. Check Results 6. Click View Animals 7. Select Jack the Dog 8. Check Results 9. Click Back to Rescue	Jack is removed from the Veterinarian Appointments section The following information is now displayed in the Veterinarian Appointments section: - Name: George, Type: Cat, Birthday: 6/25/2011, Age: 10, Age Category: SENIOR, Adopted: Yes, Days in Rescue: - Name: Duke, Type: Dog, Birthday: 2/29/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue: Animal Notes shows the following information: -3/9/2001 Born in NC -7/30/2021 Appointment canceled	Jack was removed from the list of Veterinarian Appointments and the following information is now displayed in the Veterinarian section: - Name: George, Type: Cat, Birthday: 6/25/2011, Age: 10, Age Category: SENIOR, Adopted: Yes, Days in Rescue: - Name: Duke, Type: Dog, Birthday: 2/29/2004, Age: 17, Age Category: SENIOR, Adopted: Yes, Days in Rescue: The Animal Notes for Jack the Dog now includes: - 7/30/2021 Appointment canceled
Test6: addRescue	Preconditions: Test1 has passed	The following information is displayed in the Rescues Section:	Mikes Rescue was successfully added into the Rescues section and

	1. Make sure no Rescue is selected (Click Unselect Rescue if needed) 2. In the Rescue Name section enter: "Mikes Rescue" 3. Click Add Rescue 4. Check Results	- Mikes Rescue - Ms. Wuf's Rescue - NCSU Rescue	the following information now appears as: - Mikes Rescue - Ms. Wuf's Rescue - NCSU Rescue
Test7: addNewAnimal	PreConditons: Test6 has passed 1. Select Mikes Rescue 2. Click View Animals 3. Select "Dog" for Animal Type 4. Enter "Luna" for Animal Name 5. Enter "1/27/2020" for Animal Birthday 6. Select "MEDIUM" for Animal Size 7. Select "Yes" for House Trained 8. Select "No" for Good with Kids 9. Enter "3/21/2020" for Date Enter Rescue 10. Enter "4/20/2020" for Date Adopted 11. Enter "Dania" for Owner 12. Select OTHER for Breed 13. Click Add 14. Check results 15. Click Back to Rescue	Luna is now added into the animal list with the following information displayed in the Animals section: - Name: Luna, Type: Dog, Birthday: 1/27/2020, Age: 1, Age Category: YOUNG, Adopted: Yes, Days in Rescue:	Luna was added to the animal list and appears in the Animals section with the following information: - Name: Luna, Type: Dog, Birthday: 1/27/2020, Age: 1, Age Category: YOUNG, Adopted: Yes, Days in Rescue:

| Test8: saveFile | Preconditons: Test3, Test4, Test5, Test6, and Test7 have passed

1. Click File and select Save
2. Enter "rescue_records2.md" in the Save As box
3. Select test-files for directory
3. Click Save
4. Open rescue_records2.md
5. Check results | The Following information is displayed in the rescue_records2.md file:

Mikes Rescue
* Dog,Luna, 1/27/2020, MEDIUM, true, false, 3/21/2020, true, 4/20/2020, Pania, OTHER, NOTES

Ms. Wuf's Rescue
* Cat, Loki, 3/14/2004, SMALL, false, true, 4/8/2004, true, 5/13/2004, Ethan and Family, NOTES, 3/14/2004 Born in NO
* Cat, Lily, 5/14/2011, SMALL, false, true, 6/23/2011, NOTES VA, 778/2012 Entered Shelterrue, False, 7/8/2019, true, 7/26/2019, Mason and FamiLy, NOTES, 2/20/2019 Born in
- Lily,5/14/2011
- Loki, 3/14/2004

NCSU Rescue
* Dog, Jack, 3/9/2001, LARGE, true, true, 6/1/2001, POINTER_GERMAN_SHORTHAIRED, NOTES, 3/9/2001 Born in NC, 7/30/2021
Appointment canceled
* Dog, Duke, 2/29/2004, MEDIUM, true, true, 7/21/2004, true, 7/28/2004, Olivia and Family, | The rescue_records2.md file was created with the following information:

Mikes Rescue
* Dog,Luna, 1/27/2020, MEDIUM, true, false, 3/21/2020, true, 4/20/2020, Pania, OTHER, NOTES

Ms. Wuf's Rescue
* Cat, Loki, 3/14/2004, SMALL, false, true, 4/8/2004, true, 5/13/2004, Ethan and Family, NOTES, 3/14/2004 Born in NO
* Cat, Lily, 5/14/2011, SMALL, false, true, 6/23/2011, NOTES VA, 778/2012 Entered Shelterrue, False, 7/8/2019, true, 7/26/2019, Mason and FamiLy, NOTES, 2/20/2019 Born in
- Lily,5/14/2011
- Loki, 3/14/2004

NCSU Rescue
* Dog, Jack, 3/9/2001, LARGE, true, true, 6/1/2001, POINTER_GERMAN_SHORTHAIRED, NOTES, 3/9/2001 Born in NC, 7/30/2021
Appointment canceled
* Dog, Duke, 2/29/2004, MEDIUM, true, true, 7/21/2004, true, 7/28/2004, Olivia and Family, |

		ROTTWEILER, NOTES, 2/29/2004 Born in NC * Cat, Jack, 4/21/2011, MEDIUM, talse, true, 8/27/2011, NOTES, 4/21/2011 Born in VA, 8/27/2011 Entered Shelter * Cat, George, 6/25/2011, MEDIUM, true, true, 8/12/2011, true, 8/12/2011, James and Family, NOTES - George, 6/25/2011 - Duke, 2/29/2004	ROTTWEILER, NOTES, 2/29/2004 Born in NC * Cat, Jack, 4/21/2011, MEDIUM, talse, true, 8/27/2011, NOTES, 4/21/2011 Born in VA, 8/27/2011 Entered Shelter * Cat, George, 6/25/2011, MEDIUM, true, true, 8/12/2011, true, 8/12/2011, James and Family, NOTES - George, 6/25/2011 - Duke, 2/29/2004
Test9: removeAnimalFromVetInvalid	Preconditions: Test1 has passed 1. Select Ms. Wuf's Rescue 2. Click Remove Next & Add Note 3. Check Results 4. Click OK	A pop-up dialog appears with message "Cannot remove appointment: Invalid note"	An error message appeared stating "Cannot remove appointment: Invalid note"
Test10: filterAnimalsInvalid	Preconditions: Test1 has passed 1. Select NCSU Rescue 2. Click View Available Dogs 3. Enter "-1" for Minimum and "2" for Maximum 4. Click Filter Available by Age (Years) 5. Check Results 6. Click OK	A pop-up dialog appears with message "Age ranges are not valid."	An error message appeared stating "Age ranges are not valid."