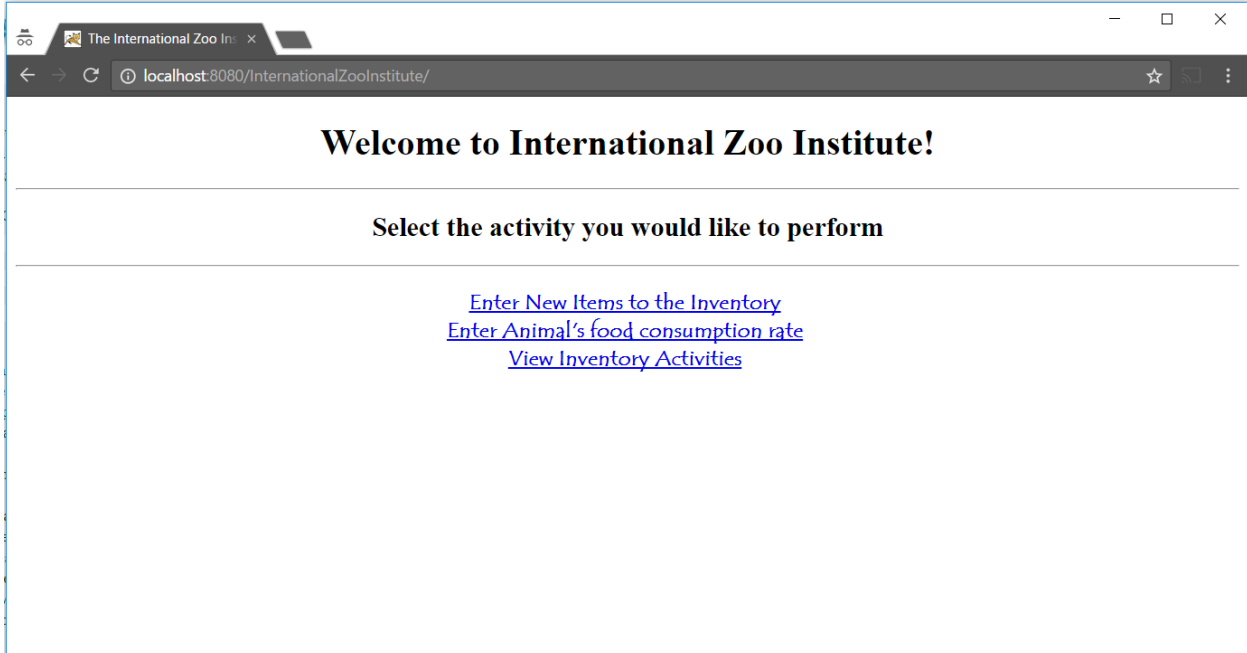


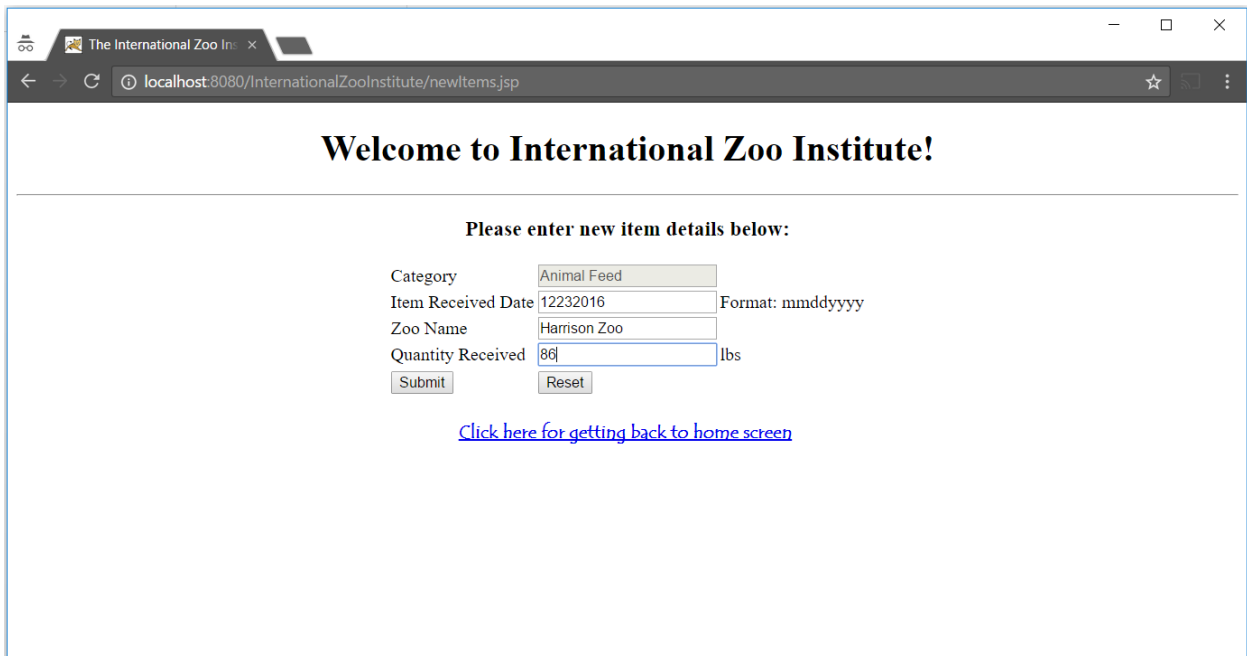
User Manual

Screen 1: After launching the application, the user will be taken to the following screen, where user can select the desired task they would like to perform.



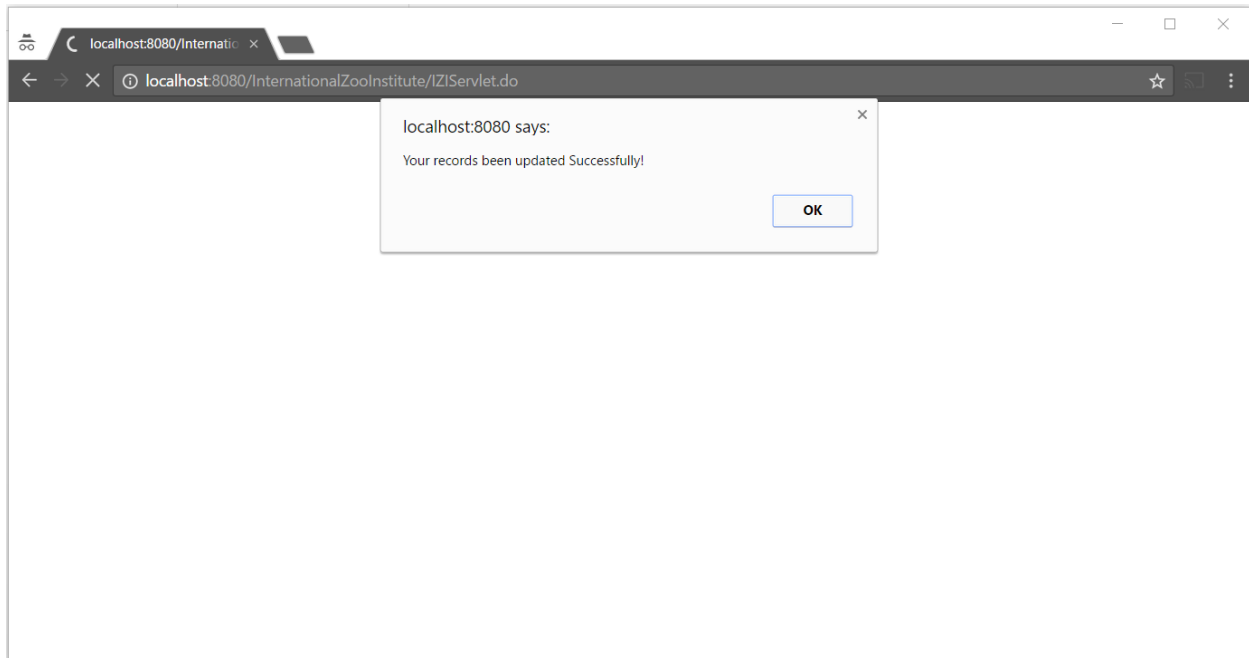
The screenshot shows a web browser window with the title "The International Zoo Institute". The address bar shows "localhost:8080/InternationalZooInstitute/". The main content area has a heading "Welcome to International Zoo Institute!" followed by a subheading "Select the activity you would like to perform". Below this, there are three blue underlined links: "Enter New Items to the Inventory", "Enter Animal's food consumption rate", and "View Inventory Activities".

Screen 2: If the user selects "Enter New Items to the Inventory" link, the following screen will be displayed.

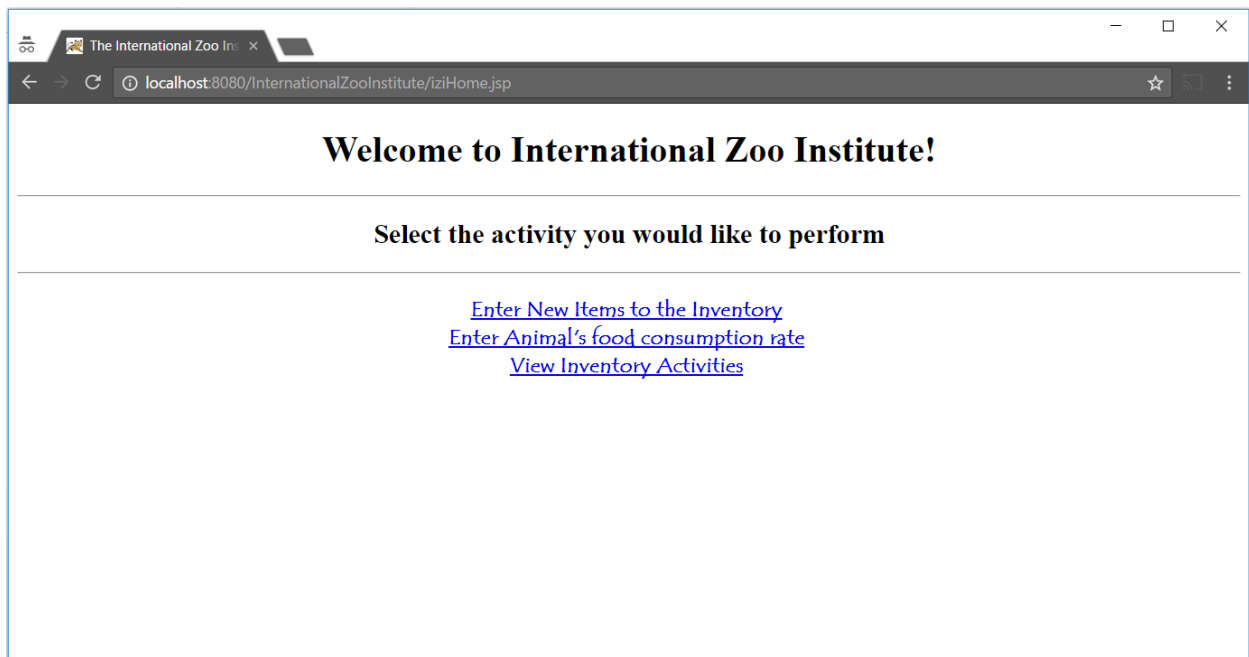


The screenshot shows a web browser window with the title "The International Zoo Institute". The address bar shows "localhost:8080/InternationalZooInstitute/newItems.jsp". The main content area has a heading "Welcome to International Zoo Institute!" followed by a subheading "Please enter new item details below:". Below this, there are four input fields: "Category" (with a dropdown menu showing "Animal Feed"), "Item Received Date" (with a text input showing "12232016" and a label "Format: mmddyyyy"), "Zoo Name" (with a text input showing "Harrison Zoo"), and "Quantity Received" (with a text input showing "86" and a label "lbs"). There are two buttons: "Submit" and "Reset". Below the form, there is a blue underlined link: "Click here for getting back to home screen".

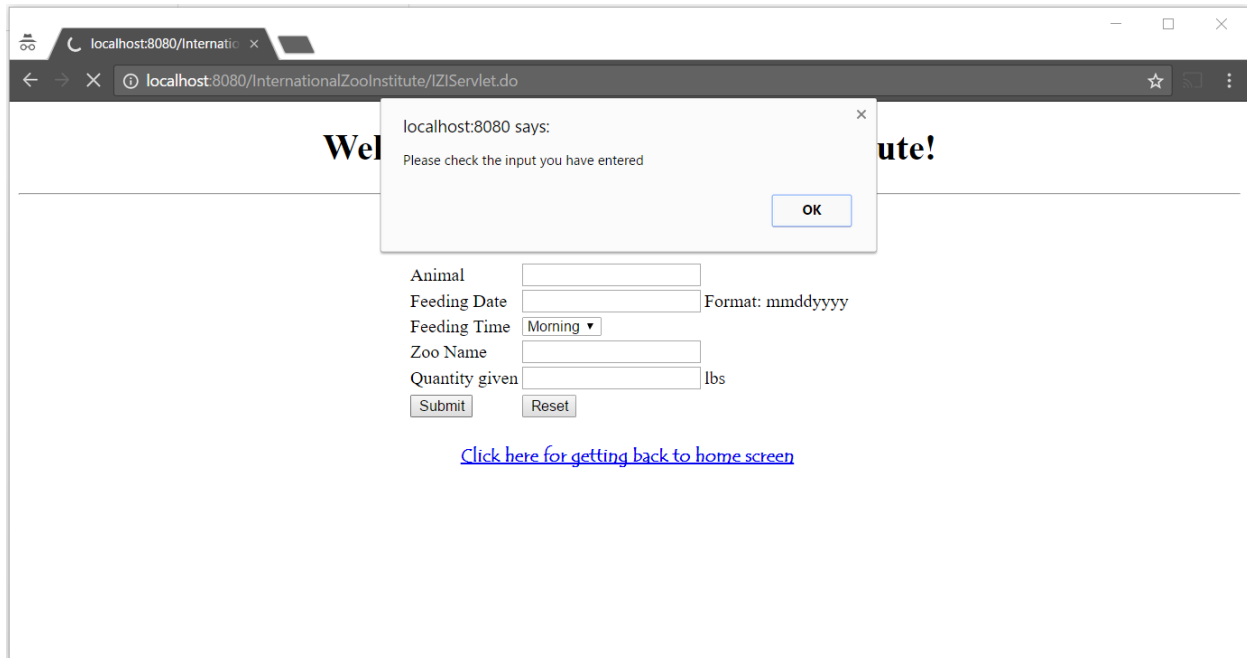
Screen 3: After entering all the information and by clicking on “Submit” button, the user will be notified whether the action is successful or not. Here the action is successful! 😊



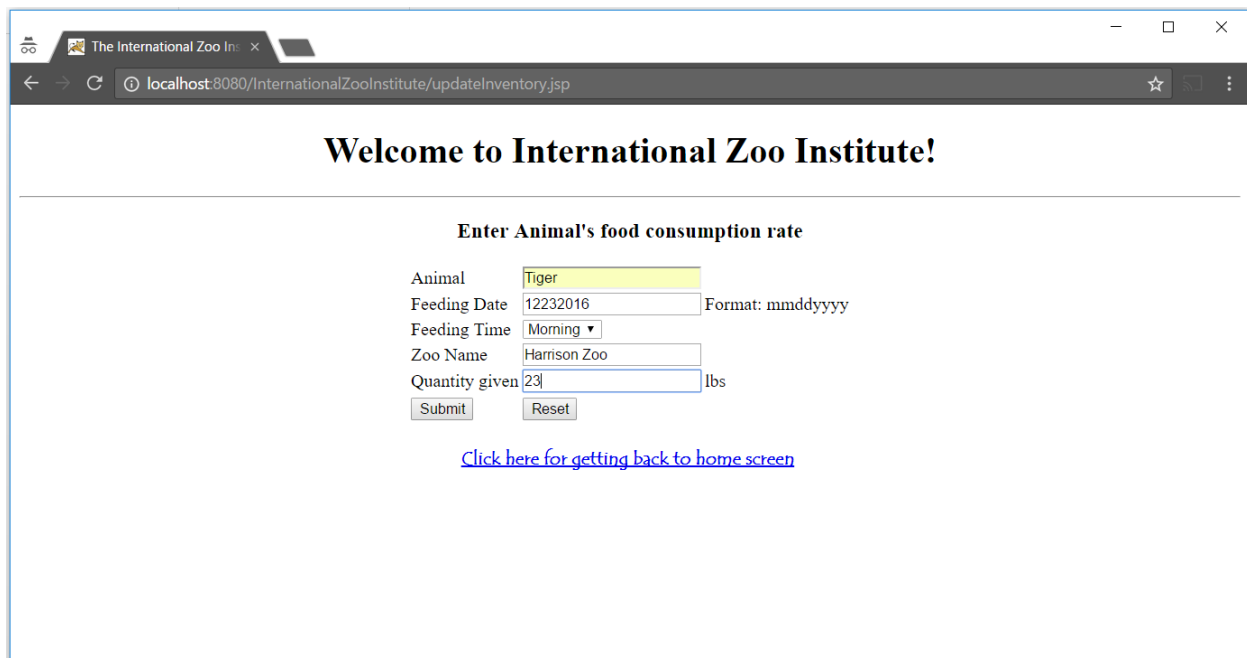
Screen 4: By clicking on “OK” button in the alert box, the user will be taken back to the home screen.



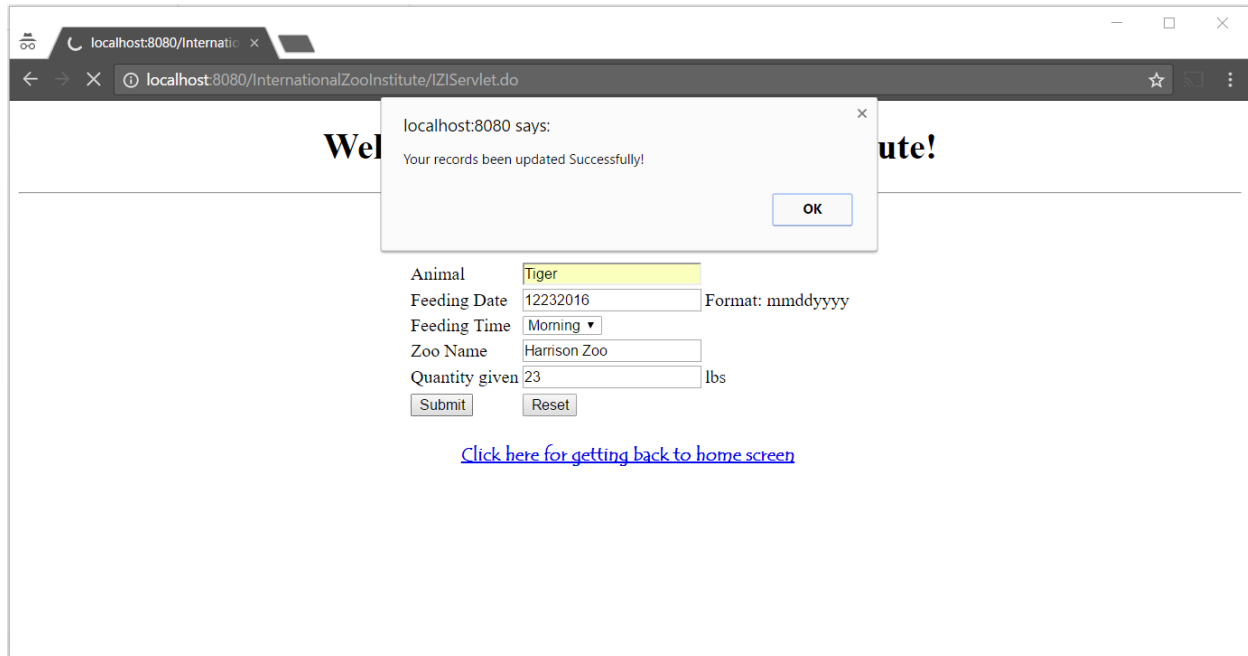
Screen 5: At any point in the application, if the user enter partial or does not provide any information, an alert message will be displayed with following message “Please check the input you have entered.”.



Screen 6: By clicking on “Enter Animal’s food consumption rate” link from the home screen, the following screen will be displayed.

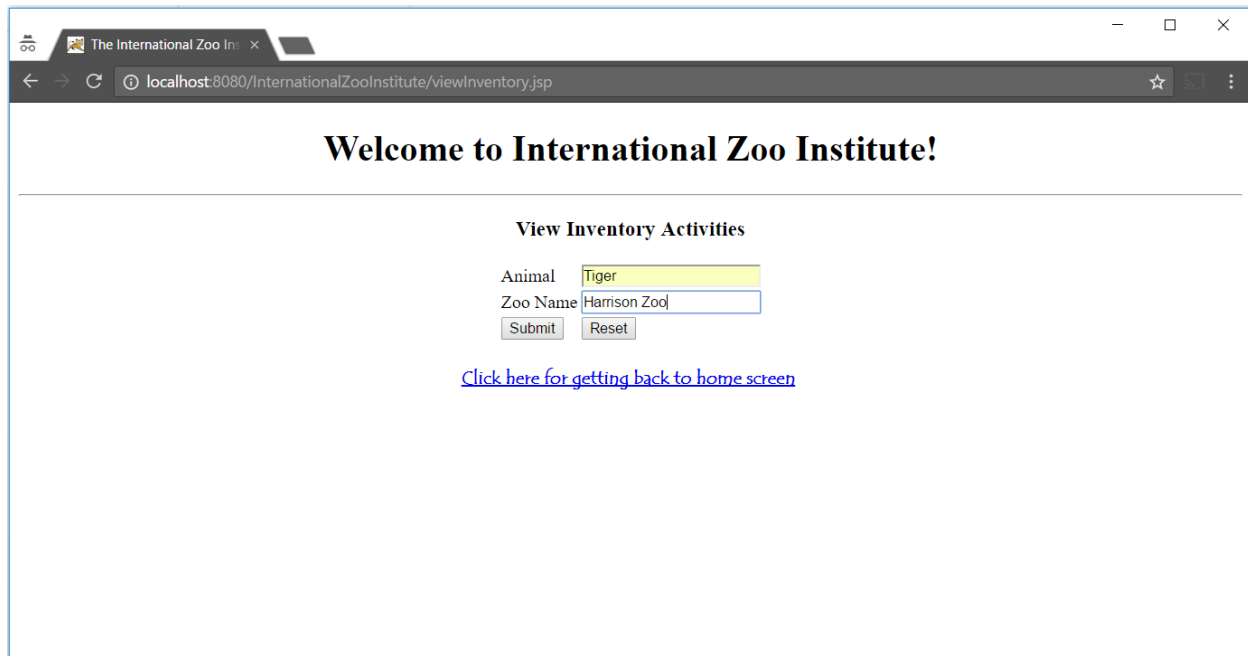


Screen 8: After entering all the information and by clicking on “Submit” button, the user will be notified with either success or failure message.



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/InternationalZooInstitute/IZIServlet.do'. The page content is partially obscured by a modal dialog box. The dialog box has a title 'localhost:8080 says:' and a message 'Your records been updated Successfully!'. It includes an 'OK' button. Behind the dialog, a form is visible with the following fields: 'Animal' (text input with 'Tiger'), 'Feeding Date' (text input with '12232016' and a 'Format: mmddyyyy' label), 'Feeding Time' (dropdown menu with 'Morning' selected), 'Zoo Name' (text input with 'Harrison Zoo'), and 'Quantity given' (text input with '23' and a 'lbs' label). There are 'Submit' and 'Reset' buttons at the bottom of the form. Below the form, there is a blue hyperlink that reads 'Click here for getting back to home screen'.

Screen 9: If the user click on “View Inventory activates” link from the home screen, then the following screen will be displayed. Here the user have to input the Animal’s name and the Zoo’s name for which he/she would like to view the activities.



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/InternationalZooInstitute/viewInventory.jsp'. The page has a header 'Welcome to International Zoo Institute!'. Below the header, there is a section titled 'View Inventory Activities'. This section contains a form with two text input fields: 'Animal' (with 'Tiger') and 'Zoo Name' (with 'Harrison Zoo'). There are 'Submit' and 'Reset' buttons below the inputs. At the bottom of the form, there is a blue hyperlink that reads 'Click here for getting back to home screen'.

Screen 10: By clicking on “Submit” button in the above screen, the user will be taken to the following screen. Here you could see the percentage value in “The animal is being fed by less (0.0%) than the average” field, because after stocking in the animal feed into the inventory, the IZI employee’s had not yet fed their animals.

The screenshot shows a web browser window with the title 'The International Zoo Institute'. The address bar shows the URL: `localhost:8080/InternationalZooInstitute/IZIServlet.do?animalName=Tiger&zooName=Harrison+Zoo&formName=viewInventory`. The main content area has a heading 'Welcome to International Zoo Institute!' followed by a section titled 'View Inventory Activities'. Below this, there is a form with the following fields and values:

Field	Value	Unit
Animal	Tiger	
Number of times fed	3	/day
Zoo Name	Harrison	
Average Quantity fed	21	lbs /day
Food Wastage	93	lbs /day

Below the form, a message states: 'This animal is being fed by less (0.0%) than the average.' At the bottom, there is a blue hyperlink: [Click here for getting back to home screen](#).

Screen 11: Now the IZI employees have decided to feed their animals. After feeding, they have entered their usage information in the application.

The screenshot shows a web browser window with the title 'The International Zoo Institute'. The address bar shows the URL: `localhost:8080/InternationalZooInstitute/updateInventory.jsp`. The main content area has a heading 'Welcome to International Zoo Institute!' followed by a section titled 'Enter Animal's food consumption rate'. Below this, there is a form with the following fields and values:

Field	Value	Format
Animal	Tiger	
Feeding Date	12232016	Format: mmddyyyy
Feeding Time	Evening	
Zoo Name	Harrison Zoo	
Quantity given	15	lbs

At the bottom of the form, there are two buttons: 'Submit' and 'Reset'. Below the buttons, there is a blue hyperlink: [Click here for getting back to home screen](#).

Screen 12: Now the IZI employees have decided to view the stock balance and other inventory activities, so they have entered inside the “View Inventory Activates” screen.



The screenshot shows a web browser window with the title 'The International Zoo In:'. The address bar displays 'localhost:8080/InternationalZooInstitute/IZIServlet.do?animalName=Tiger&zooName=Harrison+Zoo&formName=viewInventory'. The main content area has a heading 'Welcome to International Zoo Institute!' followed by a section titled 'View Inventory Activities'. This section contains a form with the following fields: 'Animal' (Tiger), 'Number of times fed' (3), 'Zoo Name' (Harrison), 'Average Quantity fed' (21 lbs /day), and 'Food Wastage' (78 lbs /day). Below the form, a message states: 'This animal is being fed by less (50.0%) than the average.' At the bottom, there is a blue hyperlink: 'Click here for getting back to home screen'.

View Inventory Activities	
Animal	Tiger
Number of times fed	3 /day
Zoo Name	Harrison
Average Quantity fed	21 lbs /day
Food Wastage	78 lbs /day

This animal is being fed by less (50.0%) than the average.

[Click here for getting back to home screen](#)

Note: Here you could see the percentage value being updated as 50%. Since after stocking in the Tiger’s food in Harrison Zoo inventory twice, and only once the Tiger had been fed, hence the message says “This animal is being fed by less (50.0%) than the average.”