CLAIMS

1. An information processing device comprising:

an internal information acquisition unit acquiring internal information, which is information regarding an inside of a casing containing a fresh item in a refrigerated state or a frozen state; and

a degradation information generation unit generating information regarding degradation of the casing based on the internal information acquired by the internal information, wherein

the internal information acquisition unit acquires fresh item state information, which is information regarding a state of the fresh item contained in the casing, as the internal information, and

the degradation information generation unit generates the information regarding the degradation based on the fresh item state information.

2. The information processing device according to claim 1, wherein

the internal information acquisition unit acquires information regarding a gas that increases or decreases in the casing along with a change in the state of the fresh item contained in the casing, as the internal information, and

the degradation information generation unit generates the information regarding the degradation based on the information regarding the gas that increases or decreases along with the change in the state of the fresh item.

3. The information processing device according to claim 2, wherein

the internal information acquisition unit acquires concentration information, which is information regarding a concentration of a specific gas that increases or decreases along with

the change in the state of the fresh item to result in a change in the concentration, as the fresh item state information, and

the degradation information generation unit generates the information regarding the degradation based on a change rate of the concentration identified by the concentration information.

4. The information processing device according to claim 2, wherein

the internal information acquisition unit acquires the information regarding the gas that increases or decreases for each of multiple locations inside the casing, and

the degradation information generation unit generates the information regarding the degradation for each of the multiple locations inside the casing.

5. The information processing device according to claim 1, wherein the degradation information generation unit generates the information regarding the degradation based on the fresh item state information, which is information regarding the fresh item acquired by the internal information acquisition unit, and information regarding an elapsed time since the fresh item was contained in the casing.

6. The information processing device according to claim 1, wherein

the internal information acquisition unit acquires fluorescence property information, which is information regarding a fluorescence property of the fresh item, as the fresh item state information, and

the degradation information generation unit generates the information regarding the degradation based on a change rate of the fluorescence property identified by the fluorescence property information.

7. The information processing device according to claim 1, wherein the degradation information generation unit generates the information regarding the degradation based on the fresh item state information acquired by the internal information acquisition unit when the casing is in a specific situation.

8. The information processing device according to claim 7, wherein the degradation information generation unit generates the information regarding the degradation based on the fresh item state information acquired by the internal information acquisition unit when another casing is placed on the casing.

9. The information processing device according to claim 7, wherein the degradation information generation unit generates the information regarding the degradation based on the fresh item state information acquired by the internal information acquisition unit when the casing is being transported.

10. The information processing device according to claim 1, wherein the degradation information generation unit generates the information indicating that the casing has degraded when the fresh item state information includes information indicating that a predetermined specific event has occurred more than a predetermined number of times.

11. The information processing device according to claim 1, wherein the degradation information generation unit generates the information regarding the degradation for each of multiple locations inside the casing.

12. The information processing device according to claim 1, further comprising:

an output unit outputting the information regarding the degradation generated by the degradation information generation unit to a predetermined output destination.

13. A storage container comprising:

a casing containing a fresh item in a refrigerated state or a frozen state; and

an information processing device processing information regarding the casing, wherein

the information processing device is the information processing device according to any one of claims 1 to 12.

14. A program causing a computer to implement:

an internal information acquisition function acquiring internal information, which is information regarding an inside of a casing containing a fresh item in a refrigerated state or a frozen state; and

a degradation information generation function generating information regarding degradation of the casing based on the internal information acquired by the internal information acquisition function, wherein

the internal information acquisition function acquires fresh item state information, which is information regarding a state of the fresh item contained in the casing, as the internal information, and

the degradation information generation function generates the information regarding the degradation based on the fresh item state information.