

COMP3900 – Info Tech Project

P23 – Predicting the freshness and best before of foods using AI-based analysis of colour and shape change

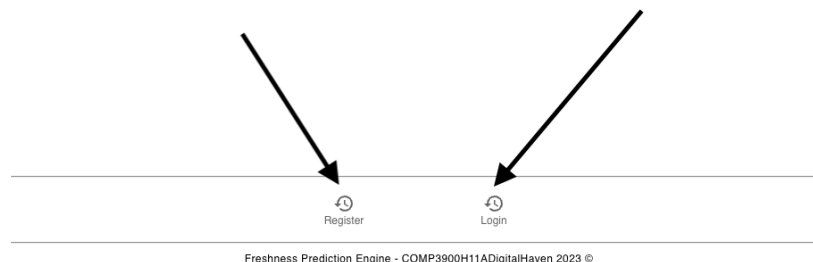
User Guide

COMP3900H11ADigitalHaven

Please follow the steps below to access and use the freshness prediction and inventory management system.

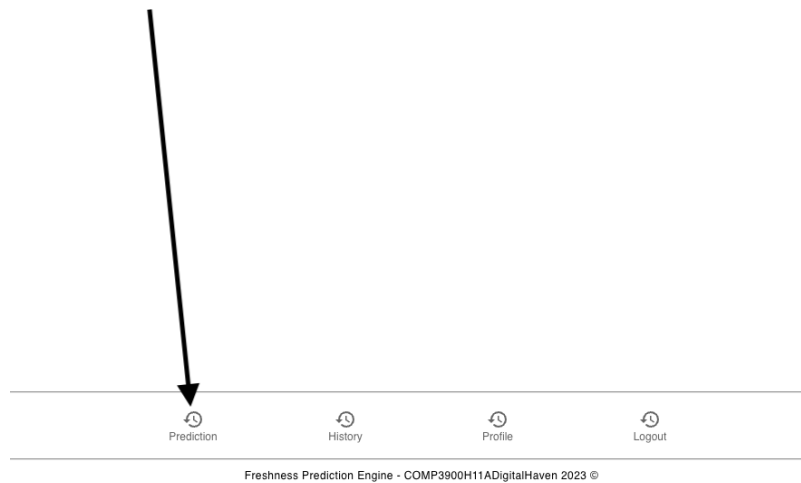
1. Upon arrival to the website, users will have an option of either login if they already have an existing account or register if they don't have an existing account.

Welcome!



2. Once the user is logged in, they can click the prediction page to be able to get a prediction on the expiry date of a fruit.

Welcome!



3. Once the user is in the prediction page, they can make a prediction by uploading the image. They can also type in the label for the fruit, select the purchase date, and they can also select the storage condition for the fruit. After selecting all these they can make a prediction.

Prediction

2. Enter label for fruit

3. Select storage condition

4. Select purchase date

Please upload the image

Product Label

Refrigeration

False

Purchase Date

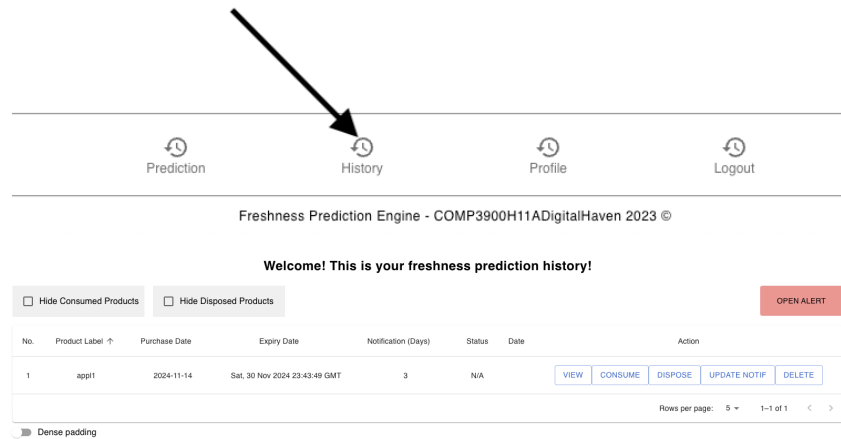
PREDICT

Estimated Expiry:

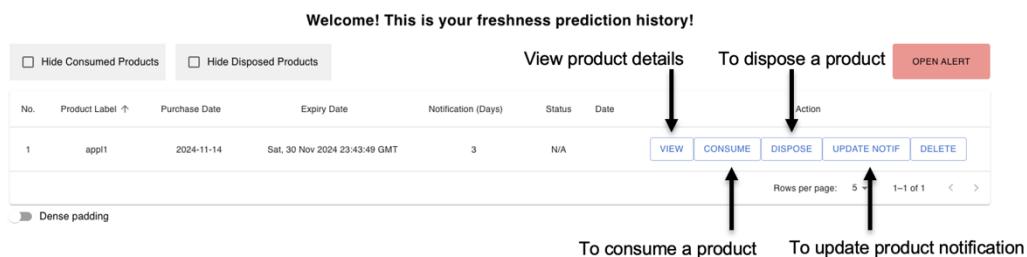
1. Click Here to upload image of fruit

5. Get prediction

4. Once the prediction has been made, users can view their history of predictions in the history page.



5. The user can click '*VIEW*' to see details about that product. They can click '*CONSUME*' to declare to the system that it has been used. They can click '*DISPOSE*' to alert the system that the product has been disposed of. They can click '*UPDATE NOTIF*' to change the number of days they would like to be notified prior to the expiry date of the product.



6. If the user wants to reverse the 'CONSUME' or 'DISPOSE' on a product they can simply click the Un-Consume/Un-Dispose button. Users can also 'DELETE' the product if they do not wish to see it in the history page anymore.

Welcome! This is your freshness prediction history!

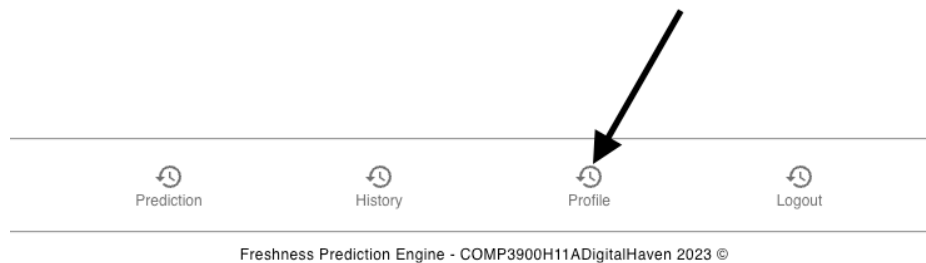
☐ Hide Consumed Products
 ☐ Hide Disposed Products

No.	Product Label ↑	Purchase Date	Expiry Date	Notification (Days)	Status	Date	Action
1	appl1	2024-11-28	Sun, 01 Dec 2024 04:49:25 GMT	3	Consumed	Thu, 28 Nov 2024 04:49:47 GMT	VIEW UN-CONSUME DISPOSE UPDATE NOTIF DELETE

Rows per page: 5 1-1 of 1

☐ Dense padding

7. To view details about the user account, click on the profile page.



8. In the profile page users can change their email, password and they can also change the number of days they would like to be notified prior to the expiry date of all their products.

The screenshot shows the user profile page. At the top is a grey circular avatar placeholder. Below it is a blue button labeled 'UPLOAD AVATAR'. The form contains the following fields:

- Email*: example@gmail.com
- Password* (with an eye icon to toggle visibility)
- New Password* (with an eye icon to toggle visibility)
- New Password Confirmation* (with an eye icon to toggle visibility)
- Notify Days before Expiry*: 3

 At the bottom of the form are two buttons: 'SUBMIT' and 'CANCEL'. Below the form is a bottom navigation bar with four icons: Prediction, History, Profile, and Logout. The 'Profile' icon is active. At the very bottom, the text 'Freshness Prediction Engine - COMP3900H11ADigitalHaven 2023 ©' is displayed.