

INTEGRATED DESIGN PROJECT (IDP II)

CSE-460

AUTOMATED FRESHNESS AND DEFECT DETECTOR

UI DESIGN DOCUMENT

Submitted by

GROUP - FOXTROT A

201814016	Sumaiya Kashmin Zim
201814024	Zannatul Ferdous
201814032	Eusha Khan
201814046	Fardeen Ashraf
201814058	Md. Shahir Zaoad

Introduction

The UI of our system is built on web-based platform. In this case, we have used HTML, CSS, Javascript in front-end & php in the back-end to connect the web with database & Python OpenCV for image processing. The database is created in localhost using MySQL. User can access five pages from the header. The UI has a responsive footer which consists of the links to three pages, mobile number & email id of the system.

Current UI

a. Previously we designed the “HOMEPAGE” consisting of two types of login. Now we improvised our “HOMEPAGE”. It shows the component’s current state (Green for ON, Red for OFF) which can be controlled by worker.

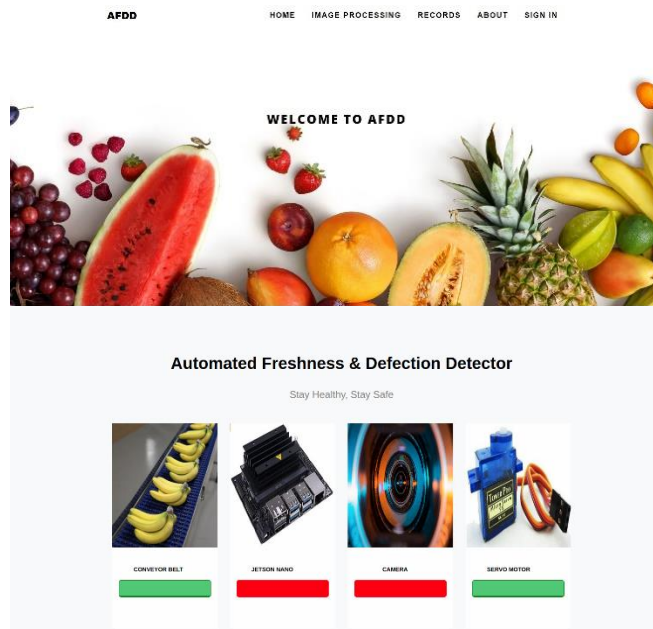


Figure 1 (A-a): Actual Page

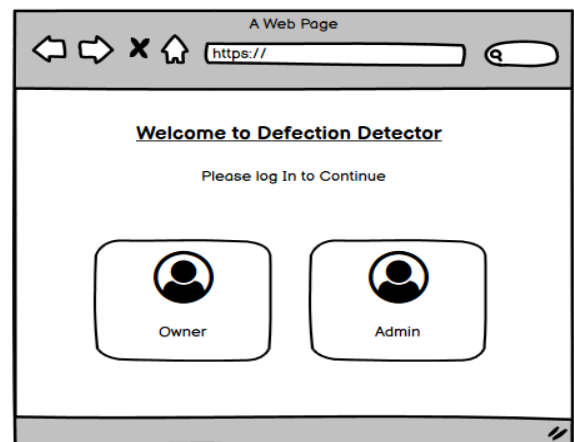


Figure 1 (A-b): Mockup Page

b. Our next page is “IMAGE PROCESSING”. Both worker & owner have the access to this page. This is a live feed. Here the foods that are incoming through conveyor belt will be seen.

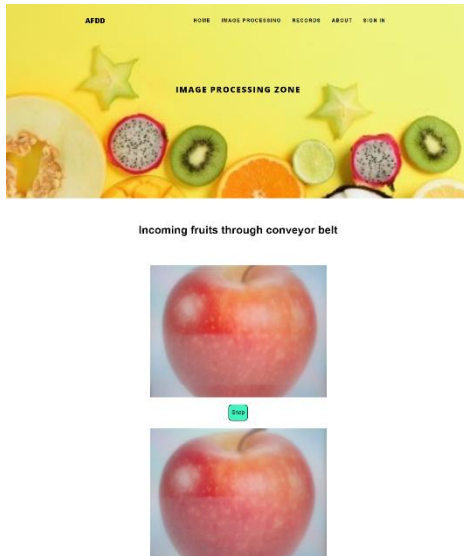


Figure 1 (B-a): Actual Page

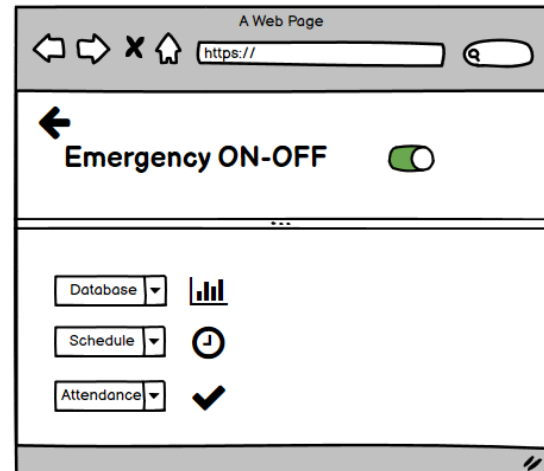


Figure 1 (B-b): Mockup Page

c. This is our “SIGN IN” page. We are keeping the owner login. The username and password is stored in the database. The page retrieves the credentials and work in session.

Deviation: In the mockup, there was admin login also.

Reason: But, later on, it was proven unnecessary. That is why we are keeping the owner login only.

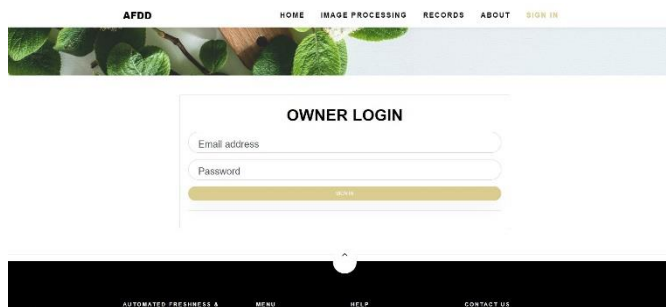


Figure 1 (C-a): Actual Page

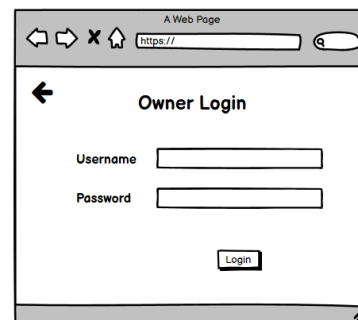


Figure 1 (C-b): Mockup Page

d. Only owner will have the access to “RECORDS” page. Owner can view the amount of fresh food & defected of any particular day. This page will retrieve the data from the database.

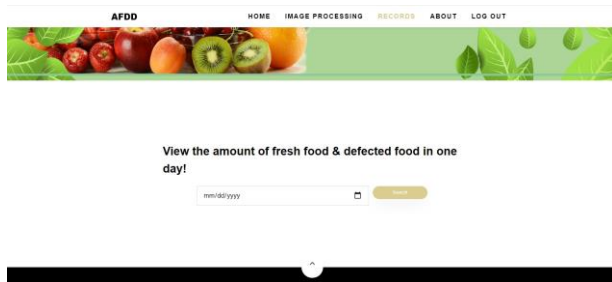


Figure 1 (D-a): Actual Page

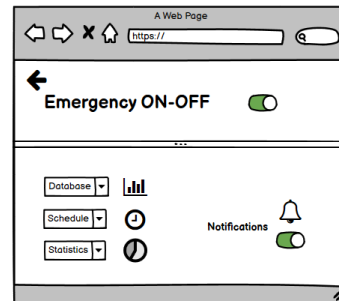


Figure 1 (D-b): Mockup Page

e. This is how the “RECORDS” page looks like this after owner selecting any particular day. In the UI design this page is not shown.



Figure 1 (E-a): Actual Page

f. Previously there was no “ABOUT” page in UI design. But we are keeping this about page so that new worker can understand the system easily. It also shows the purpose of the whole system.

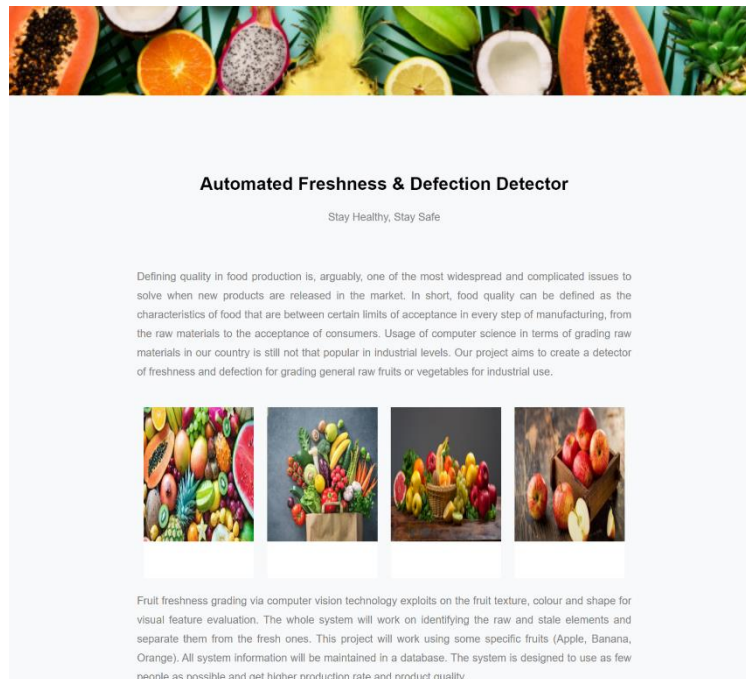


Figure 1 (F-a): Actual Page

g. Previously there was no element in the “FOOTER” section of the pages in UI design. But we tried to make the “FOOTER” section of the website more user friendly. Here are some of the features it contains.

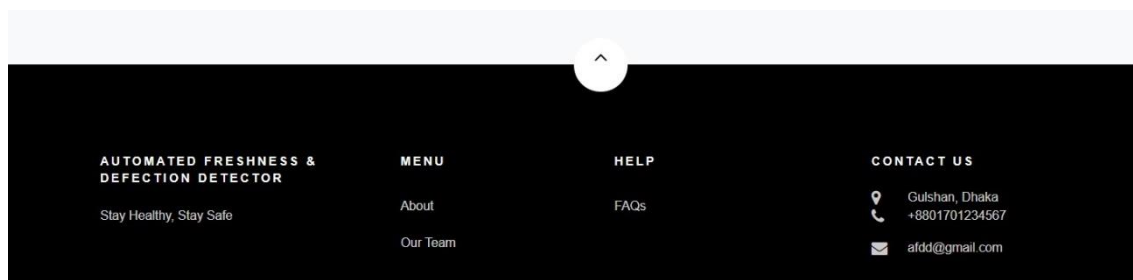


Figure 1 (G-a): Footer

Starting from the left, in the first column it shows the project title & it's motto.

The second column, "MENU" has "About" page & "Our Team" page. By clicking "About" it will take the user to the "ABOUT" page. By clicking "Our team" it will take the user to the page that shows the peoples' pictures & names who are involved with the development of this system.

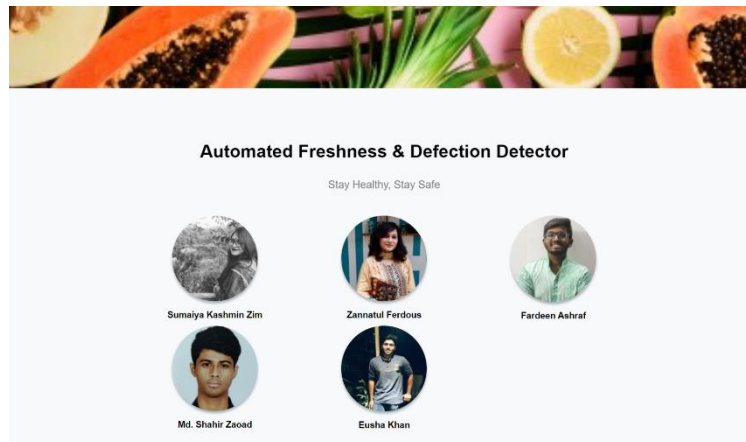


Figure 1 (G-b): Actual Page

The third column, "HELP" has "FAQs" page which shows the frequently asked questions (FAQ) & their answers.

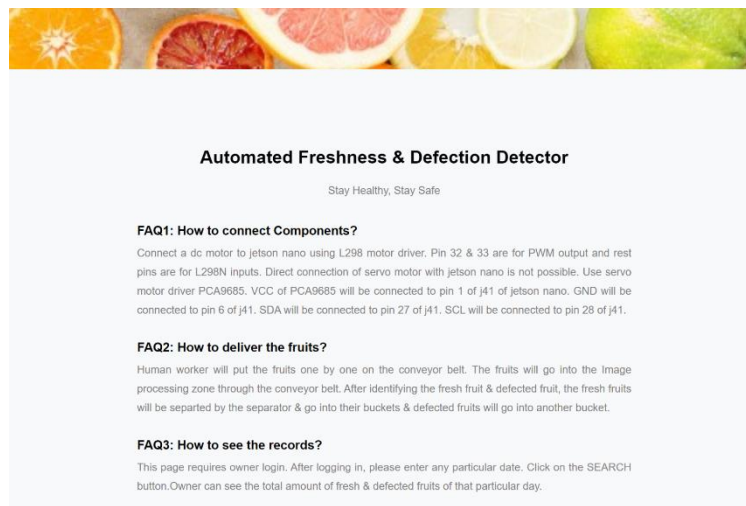


Figure 1 (G-c): Actual Page

The fourth column, “CONTACT US” has the details of the location, telephone number & email id of the system. By clicking the phone number, the phone number in the website will be generated automatically in the user’s keypad.

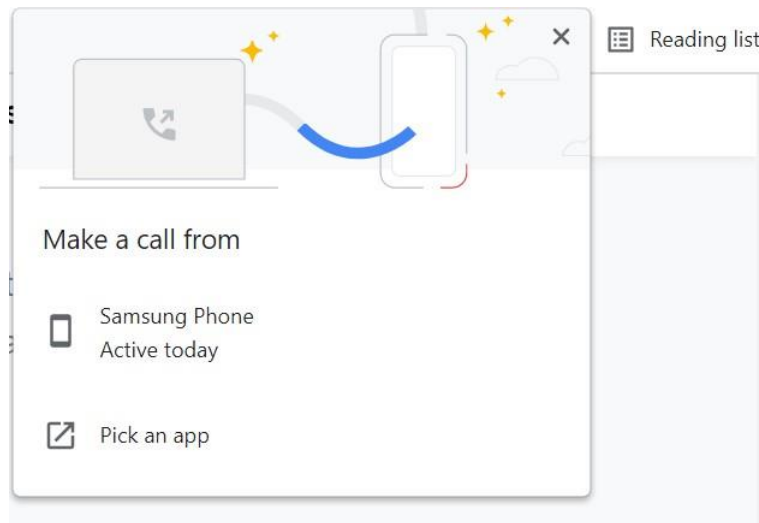


Figure 1 (G-d): Generating phone number in users’ keypad

By clicking the email id, the website will take the user to his/her email & a new email will be created having the email id “afdd@gmail.com” in the receiver section.

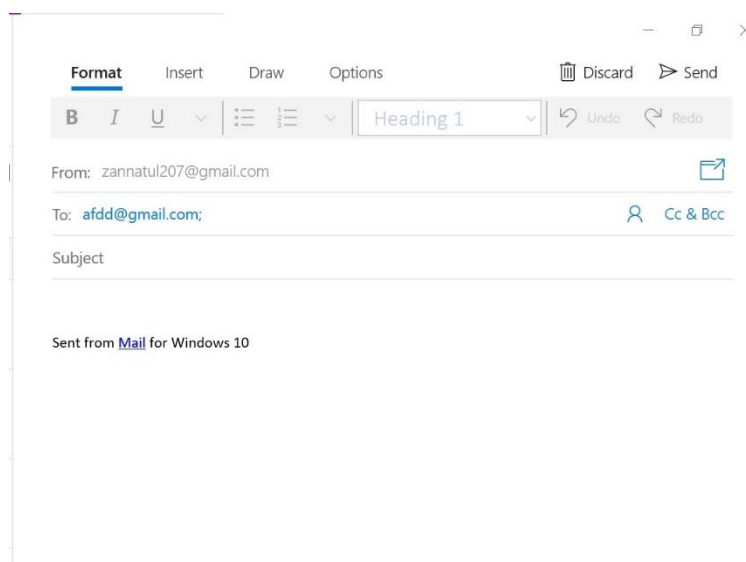


Figure 1 (G-e): Generating email id in the receiver section