



AUTOMATED FRESHNESS AND DEFECTION DETECTOR

UI Design Report

Submitted by-
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Sec-A

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UI Design Report

1. Introduction: The UI of our system is built on web-based platform. In this case, we have used HTML & CSS in front-end, Javascript & php in the back-end to connect the web with database & Python OpenCV for image processing. The database will be created in localhost using MySQL.

2. 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 (ON/OFF).

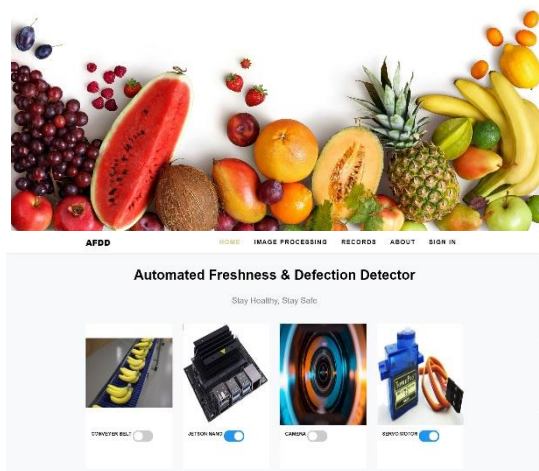


Figure 1 (A-a): Actual Page

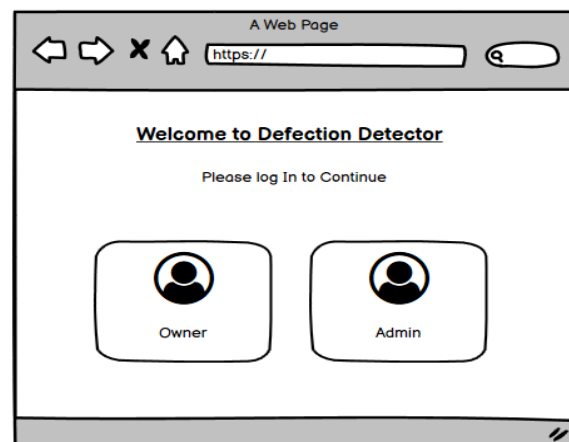


Figure 1 (A-b): Mockup Page

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 conveyer belt will be seen serially.

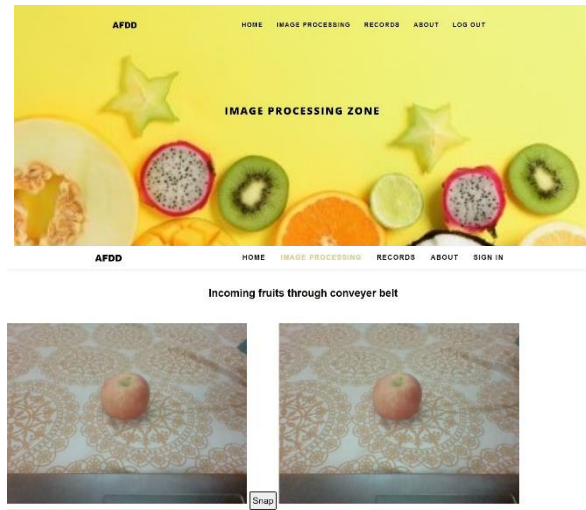


Figure 1 (B-a): Actual Page

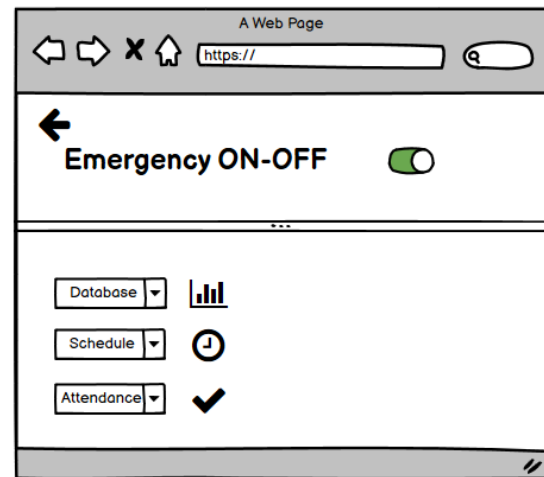


Figure 1 (B-b): Mockup Page

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.

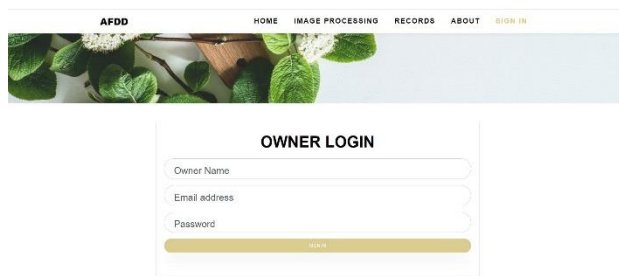


Figure 1 (C-a): Actual Page

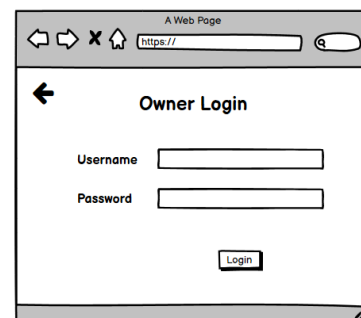


Figure 1 (C-b): Mockup Page

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

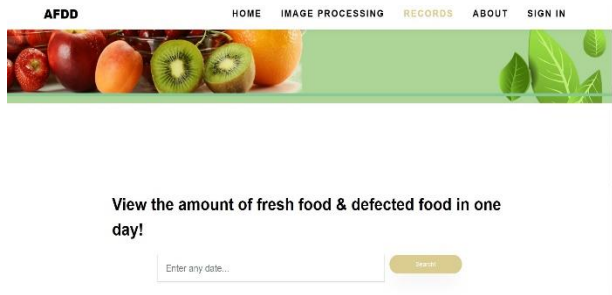


Figure 1 (D-a): Actual Page

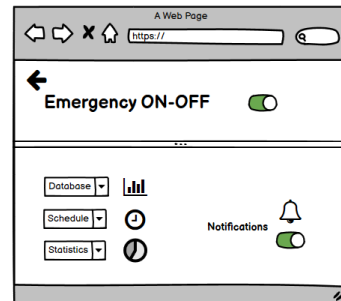


Figure 1 (D-b): Mockup Page

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

Batch NO	Fruit Name	Total Kgs	Usable Kgs	Unusable Kgs	Date of Processing
B9	Apple	5	2	3	2021-04-19
B10	Banana	5	2	3	2021-04-19
B11	Orange	5	2	3	2021-04-19

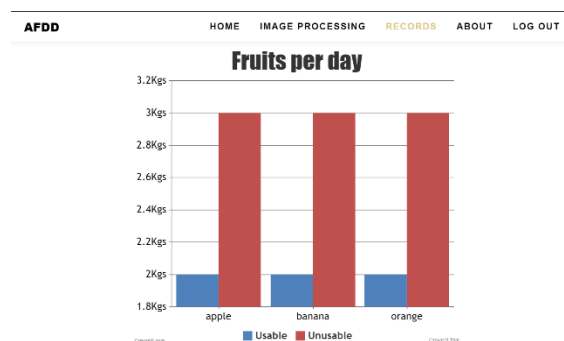


Figure 1 (E-a): Actual Page

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