AUTOMATED FRESHNESS AND DEFECTION DETECTOR

UI Design Report

Submitted by-
Group-6(Foxtrot)
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 & 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).

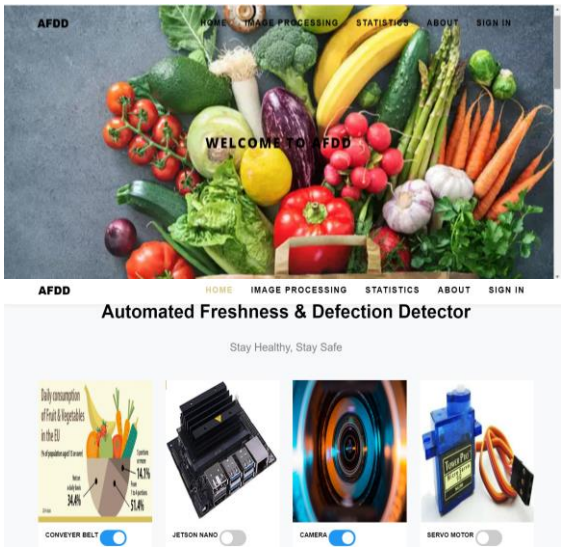

Figure 1 (A-a): Actual Page

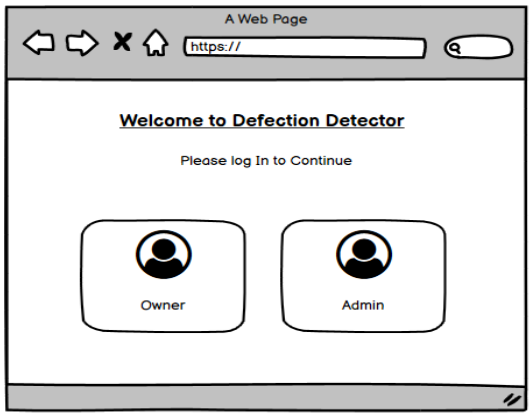

Figure 1 (A-b): Mockup Page

b. Our next page is Image Processing. Both worker & owner have the access to this page. Here one particular food will be detected & will get checked the percentage of defect it has.

Figure 1 (B-a): Actual Page

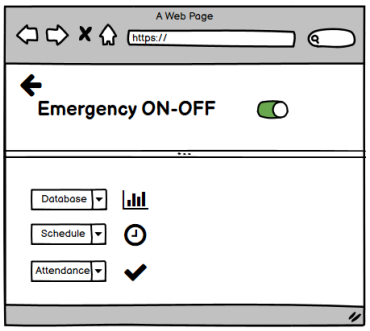

Figure 1 (B-b): Mockup Page

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.

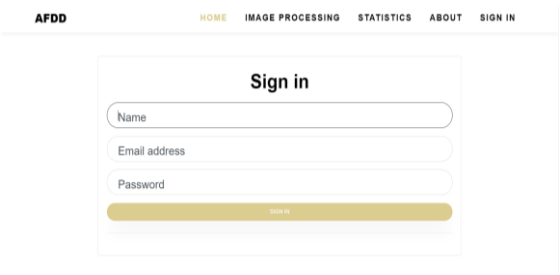

Figure 1 (C-a): Actual Page

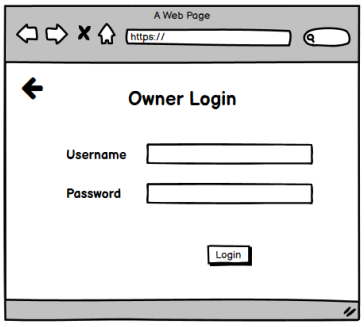

Figure 1 (C-b): Mockup Page

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

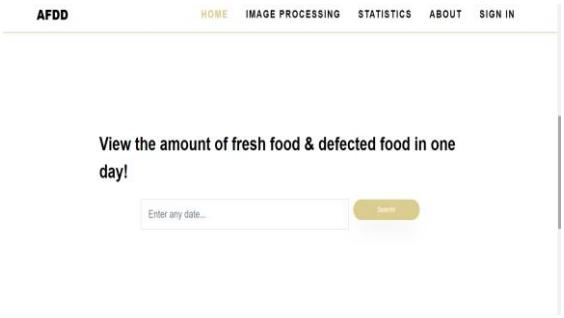

Figure 1 (D-a): Actual Page

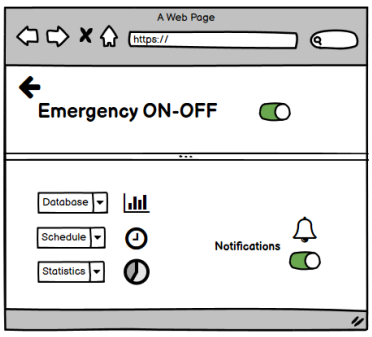

Figure 1 (D-b): Mockup Page

e. 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.

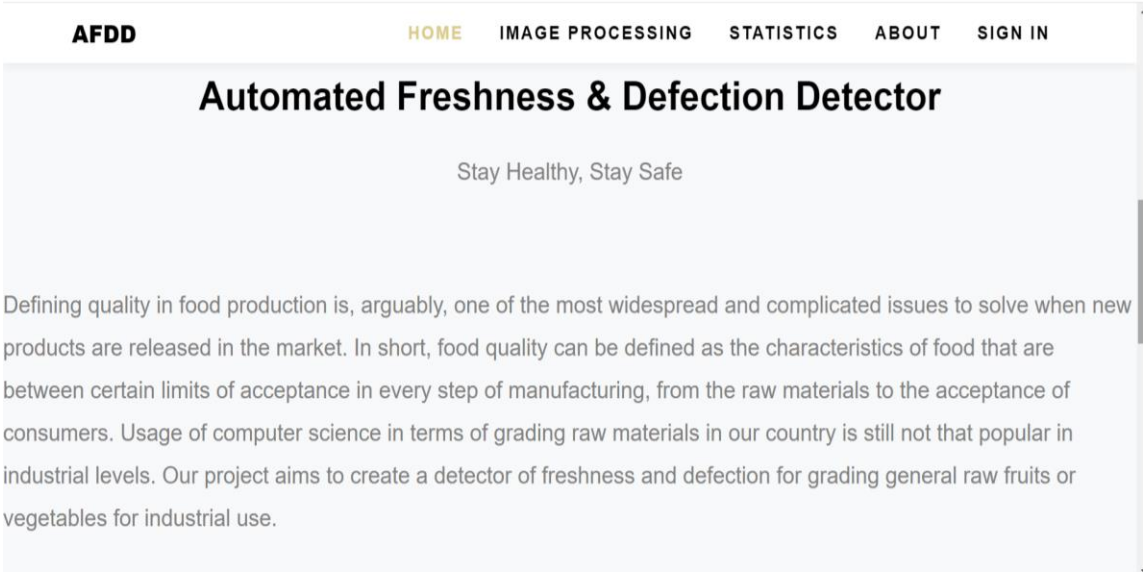

Figure 1 (E-a): Actual Page