

5. Techniques

ML Model: Applying Machine learning algorithms and classifiers, they showed promising results in image classification and decision making to assist growers in their diagnosis, which will serve as a boost in improving plant care services through effective image analysis of symptoms (pests) suffered by the plant.

Application components:

- ❖ **Login page:** This page has the username and password, and it also has a button for the registration page if the user is not registered.
- ❖ **Registration page:** A page that enables the user to register, to be able to use the application.
- ❖ **Plant Fertilization Page:** Every plant has certain conditions in its composting, and that's why fertilizing a plant is different from the other and that the app will provide you that you know the appropriate amounts of fertilizer in relation to the area of the land for each plant.
- ❖ **Posts Page:** On this page:
 - each user will be able to view other people's questions, advice, and responses to them, according to the latest and closest to you in terms of your geographical location, so that you can find environmental content that is close to you in the environment, climate, plants and crops that you are related to, so that it will be more useful to you.

- He can also download a question or inquiry that will appear to all users of the application; If you want to search for specific questions or inquiries related to a particular plant, you can search by the tag that will be available in any question or consultation.
- He can interact with the post and comment on it.