# USE CASE DIAGRAM:

**import dataset**

**read dataset**

**train dataset**

**test dataset**

**predict the results**

**generate the graph**

**display results**

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases. The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted.



**system**

**user**

use case diagram

# CLASS DIAGRAM:

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type

of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.



+generate results()

+read dataset

+train dataset

+test dataset

**system**

+Analysys results()

+upload dataset

+apply algorithm

+predict results

**user**

# Class Diagram

**SEQUENCE DIAGRAM:**

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user | |  | sytem | |
|  | 1 : upload dataset() | | |  |
| 2 : read dataset() | | |
| 3 : train dataset() | | |
| 4 : test dataset() | | |
| 5 : predict results() | | |
|  | | |
| 6 : Analysis the results() | | |
|  | | |

# Sequence Diagram

**ACTIVITY DIAGRAM:**

Activity diagrams are graphical representations of workflows of stepwise activities and actions with support for choice, iteration and concurrency. In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system. An activity diagram shows the overall flow of control.

# Activity Diagram



uploqad dataset

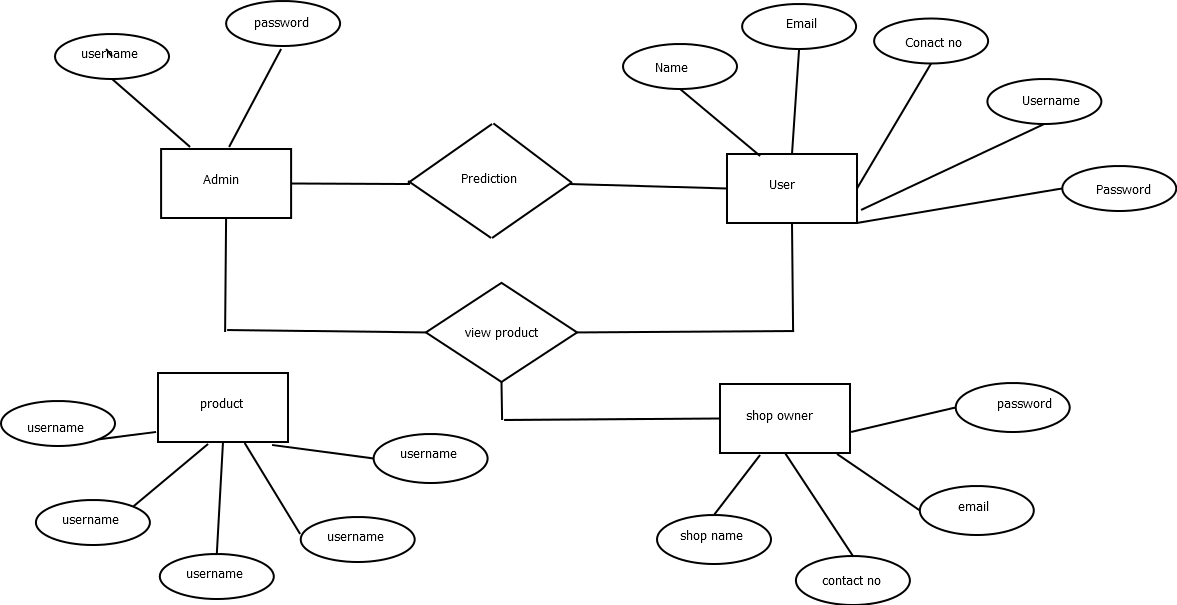
read dataset

train dataset

test dataset

predict results

**ER diagram**

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