Use Case 1:

Name: - Disease Diagnosis

Goal: - Doctor uses the ML model to predict a disease.

Actor: - Doctor, Disease Predictor

Precondition: - Doctor is logged in to his/her verified account.

Trigger: Patient contacts doctor.

User: - Doctor

Main Flow:-

1. User enters patient ID.

2. User gives input of the relevant symptoms of the disease in the form.

3. The input details are used to predict the disease and the prediction is obtained.

4. The doctor writes his/her own conclusion and prescription based on the predictor and personal experience.

5. The diagnosis is updated in the database.

6. Patient Report is generated.

Alternate Flow: -

\*  If system failure occurs:

-  the system should reset back to normal without having any anomalies.

\* On the steps 1,2 & 3:

- the user should be able to go back to the previous step.

1.a   If patient ID is not found:

 The patient is requested to make an account and the process is put to halt till the patient account is not created.

2.a   If incorrect input is given in any field, the user should be able to rectify the error before submitting it for disease prediction.

2.b  The system should prompt the user when unexpected input is given.

6.a  If a patient report is not generated, the user should be able to manually do this step.

 Postcondition: - The system returns to the dashboard, ready for the next diagnosis.