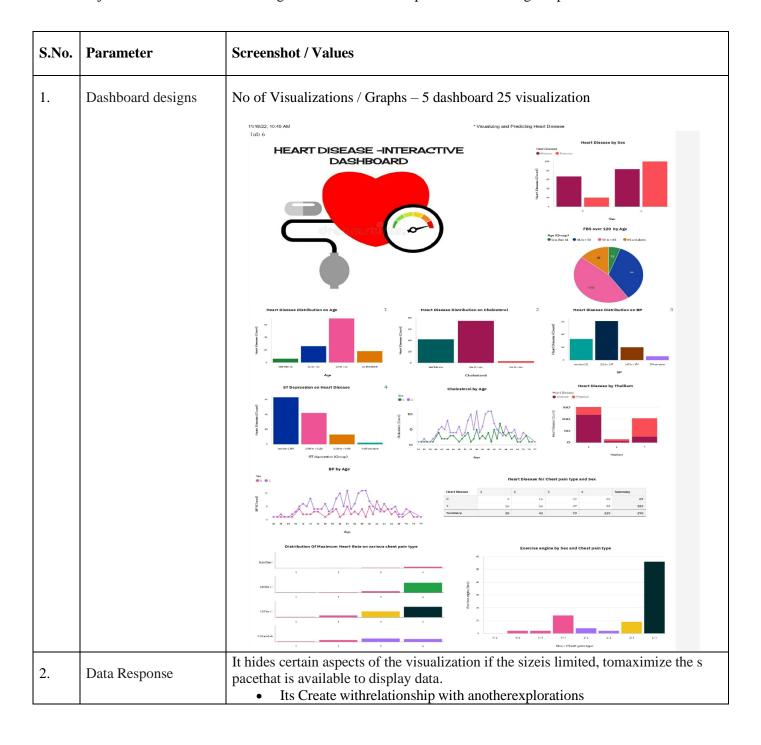
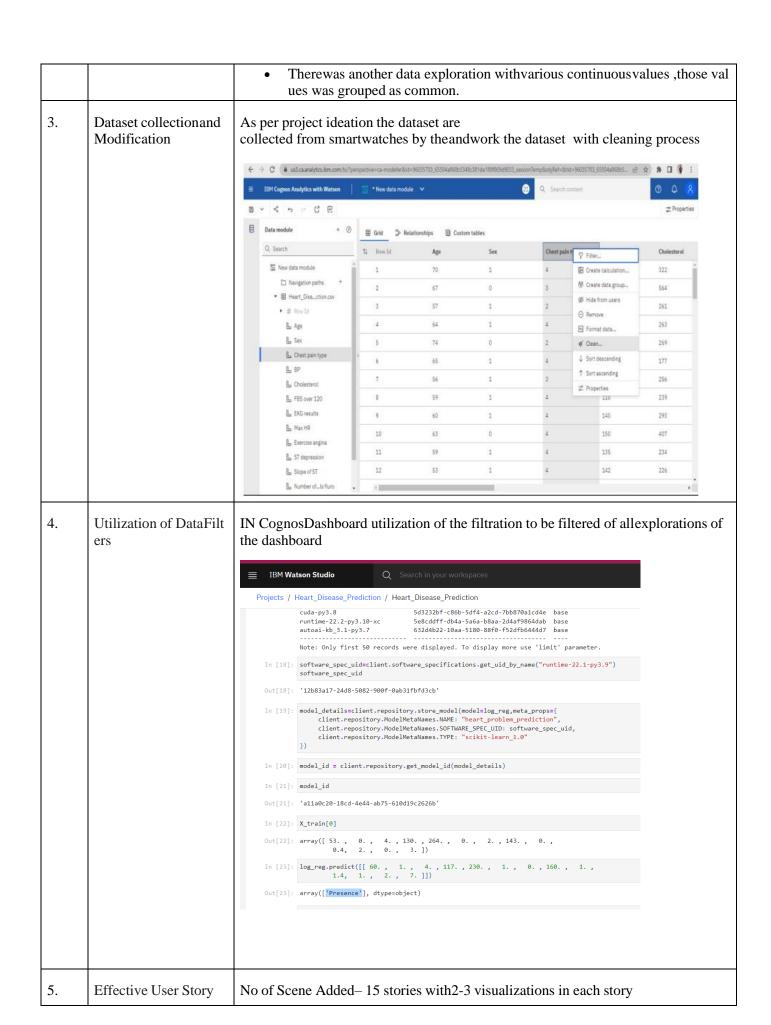
## Project Development Phase Model Performance Test

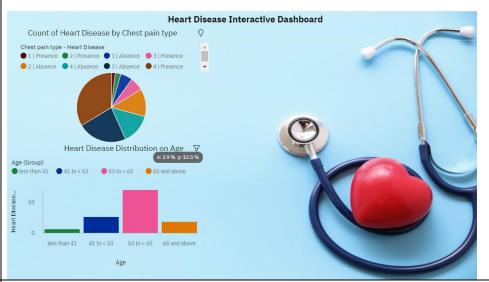
Date	18 November 2022
Team ID	PNT2022TMID52957
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	10 Marks

## **Model Performance Testing:**

Project team shall fill the following information in model performance testing template.







6. Deployment of ML model for prediction in IBM Cloud

By user input their parametrs like age,sex,BP etc logistic regression is deployed in IBM cloud and it will display whether Heart disease is presence or absence

```
IBM Watson Studio
Projects / Heart_Disease_Prediction / Heart_Disease_Prediction
          cuda-py3.8
                                       5d3232bf-c86b-5df4-a2cd-7bb870a1cd4e base
          runtime-22.2-py3.10-xc
                                       5e8cddff-db4a-5a6a-b8aa-2d4af9864dab base
                                      632d4b22-10aa-5180-88f0-f52dfb6444d7 base
          autoai-kb_3.1-py3.7
          Note: Only first 50 records were displayed. To display more use 'limit' parameter.
 In [18]: software_spec_uid=client.software_specifications.get_uid_by_name("runtime-22.1-py3.9")
          software_spec_uid
 Out[18]: '12b83a17-24d8-5082-900f-0ab31fbfd3cb'
  In [19]: model_details=client.repository.store_model(model=log_reg,meta_props={
               {\tt client.repository.ModelMetaNames.NAME: "heart\_problem\_prediction"}
               client.repository.ModelMetaNames.SOFTWARE_SPEC_UID: software_spec_uid,
               client.repository.ModelMetaNames.TYPE: "scikit-learn_1.0"
 In [20]: model_id = client.repository.get_model_id(model_details)
  In [21]: model_id
 Out[21]: 'a11a0c20-18cd-4e44-ab75-610d19c2626b'
  In [22]: X_train[0]
 Out[22]: array([ 53. , \, 0. , \, 4. , 130. , 264. , \, 0. , \, 2. , 143. , \, 0. , \, 0. 4. , \, 0. 3. ])
 Out[23]: array(['Presence'], dtype=object)
```

7. Heart Disease
Prediction in python
using deployed model
in IBM Cloud.

Heart Disease is predicted by user giving their details in python itself which use the deployed model in IBM cloud as backend.

Code in Python:



8. Webpage Design for Visualizing and prediction

Designed an webpage model for Visualizing and Perediction of Heart Disease Webpage Model



