### PREDICT HEART FAILURE USING IBM AUTO AI SERVICE

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**Given Specification**

**Project Description:**

Cardiovascular diseases (CVDs) are the number 1 cause of death globally, taking an estimated 17.9 million lives each year, which accounts for 31% of all deaths worldwide.

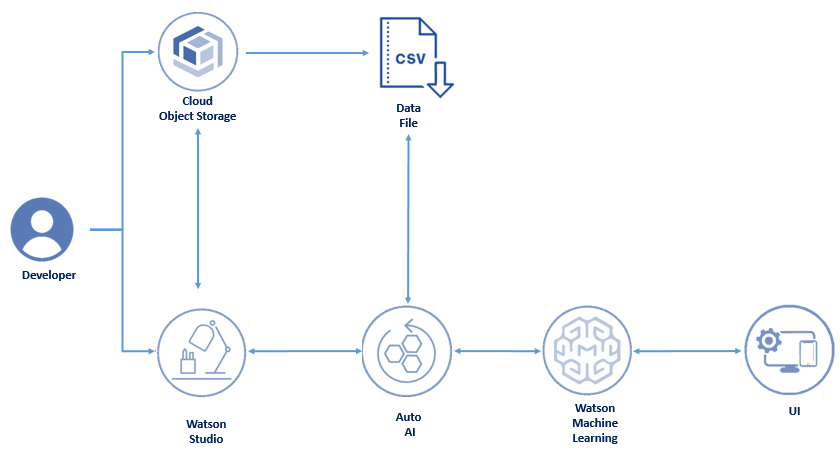
Heart failure is a common event caused by CVDs and this dataset contains 9 features that can be used to predict mortality by heart failure.

In this project, you need to build a model using Auto AI and build a web application where we can get the prediction of heart failure.

**Services Used:**

* IBM Watson Studio
* IBM Watson Machine Learning
* Node-RED
* IBM Cloud Object Storage

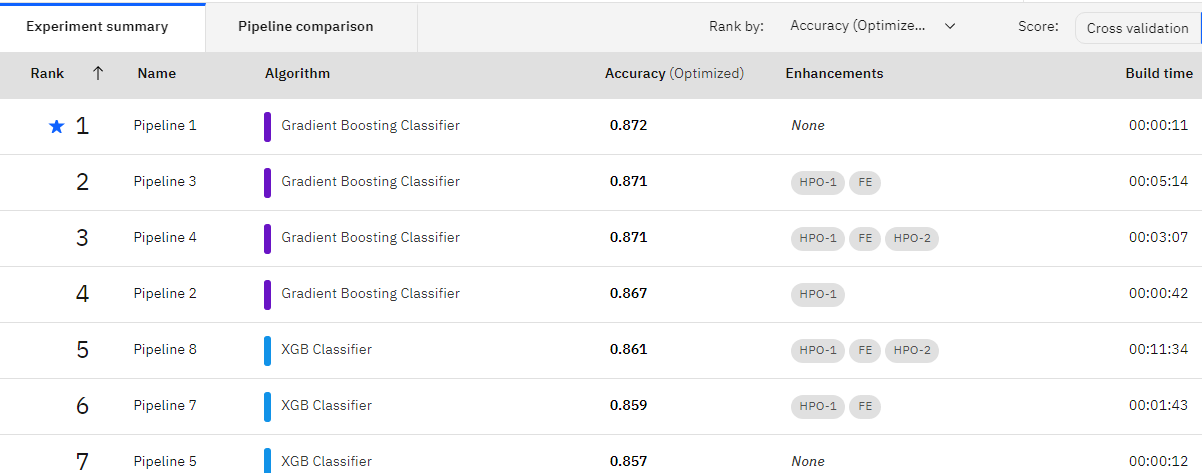
**Architecture:**



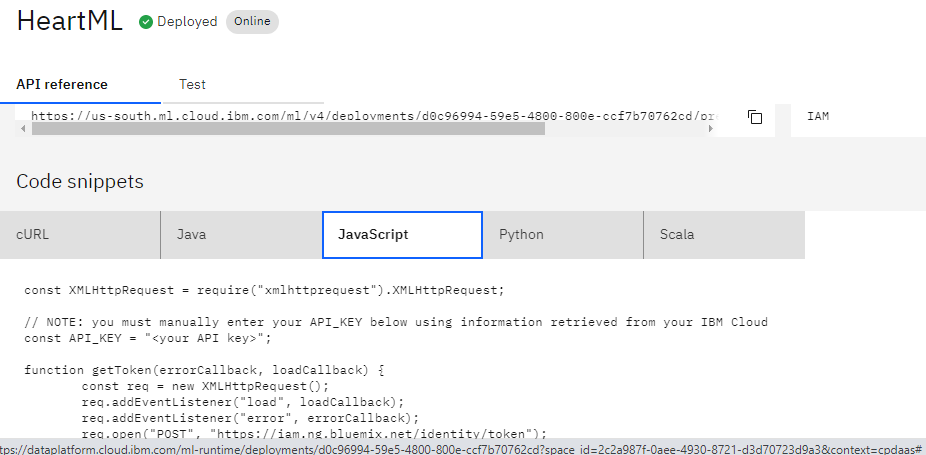
**Dataset Given:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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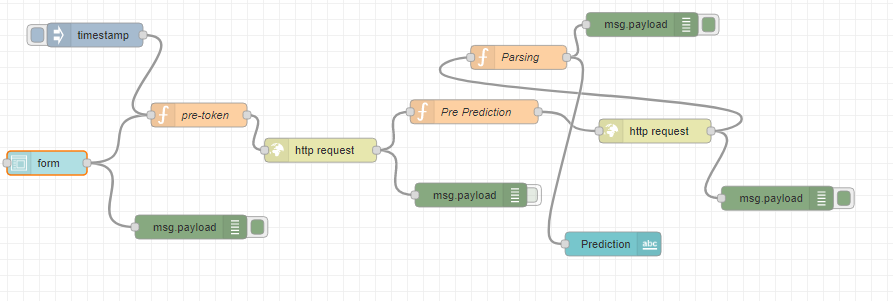
**AutoAI Experiment with Pipeline Comparison:**

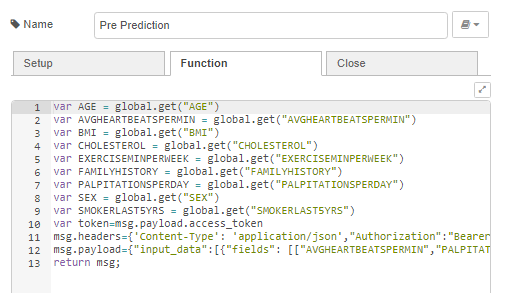
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**Machine Learning Model Deployed in IBM Cloud:**

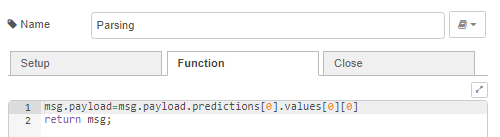
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**Design of UI in Node Red**

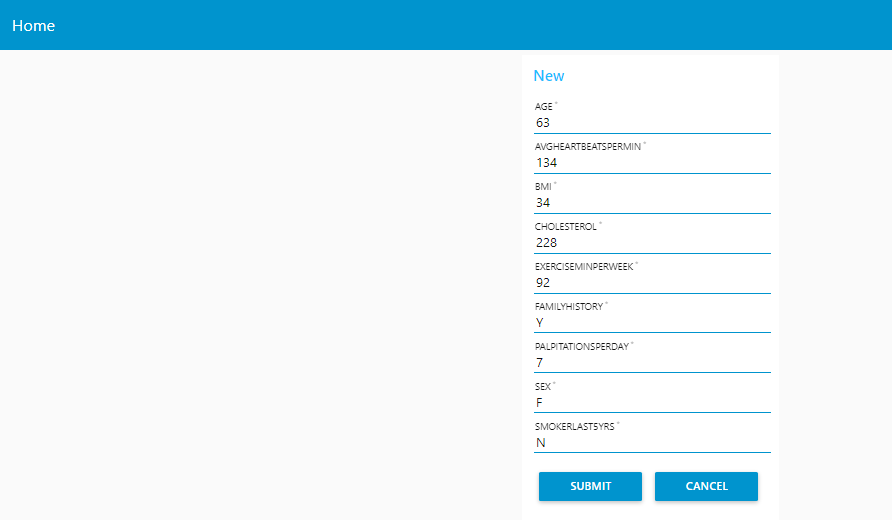
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**Script at Pre\_prediction:**

**Script at Node \_Parsing**

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**Screenshot of the Web APP UI designed by Node Red with Input and Prediction:**

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