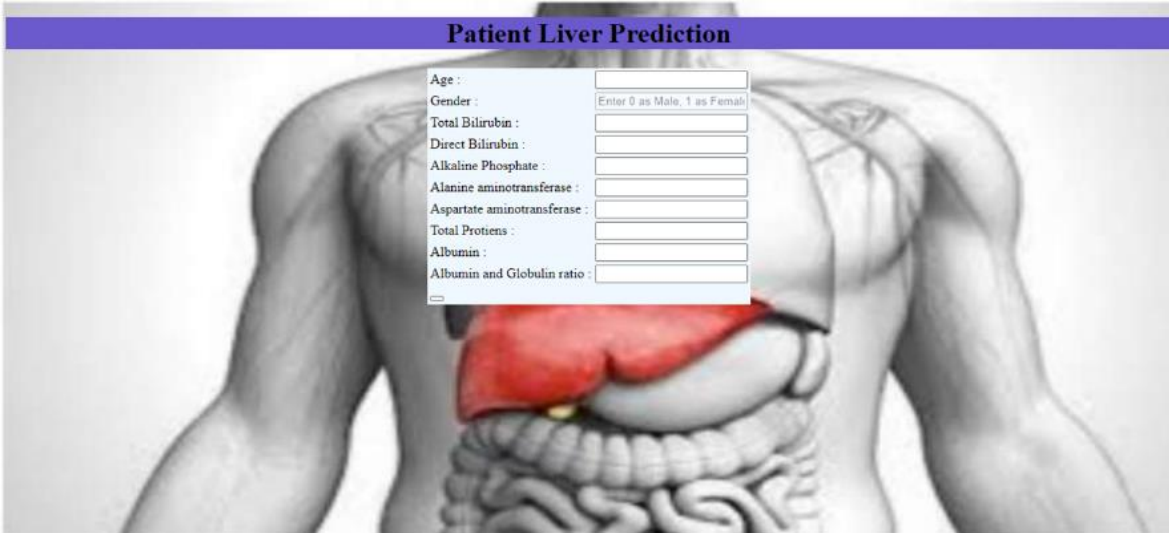# Sprint -4

Deploying app in IBM cloud

```python
import requests
import json
# NOTE: you must manually set API_KEY below using information retrieved from your
IBM Cloud account.
API_KEY = "kLomfc2FUoTTlDe3yRiXQ5pSsrEyYyDtdl8bkXLmoasX"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token',
data={"apikey":
 API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]
print("ml token",mltoken)

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next
line
payload_scoring = {"input_data": [{"field":
[["Age","Gender","Total_Bilirubin","Direct_Bilirubin","Alkaline_Phosphotase","Alamin
e_Aminotransferase","Aspartate_Aminotransferase","Total_Protiens","Albumin","Albumin
_and_Globulin_Ratio"]], "values": [[63,0,0.9,0.2,194,52,45,6,3.9,1.85]]}]}

response_scoring = requests.post('https://us-
south.ml.cloud.ibm.com/ml/v4/deployments/8867b336-70c2-4ac8-baf3-
39b2a1ca913b/predictions?version=2022-11-21', json=payload_scoring,
 headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
predictions=response_scoring.json()
pred=predictions['predictions'][0]['values'][0][0]
if(pred==1):
    print("Liver disease")
else:
    print("No liver disease")
```
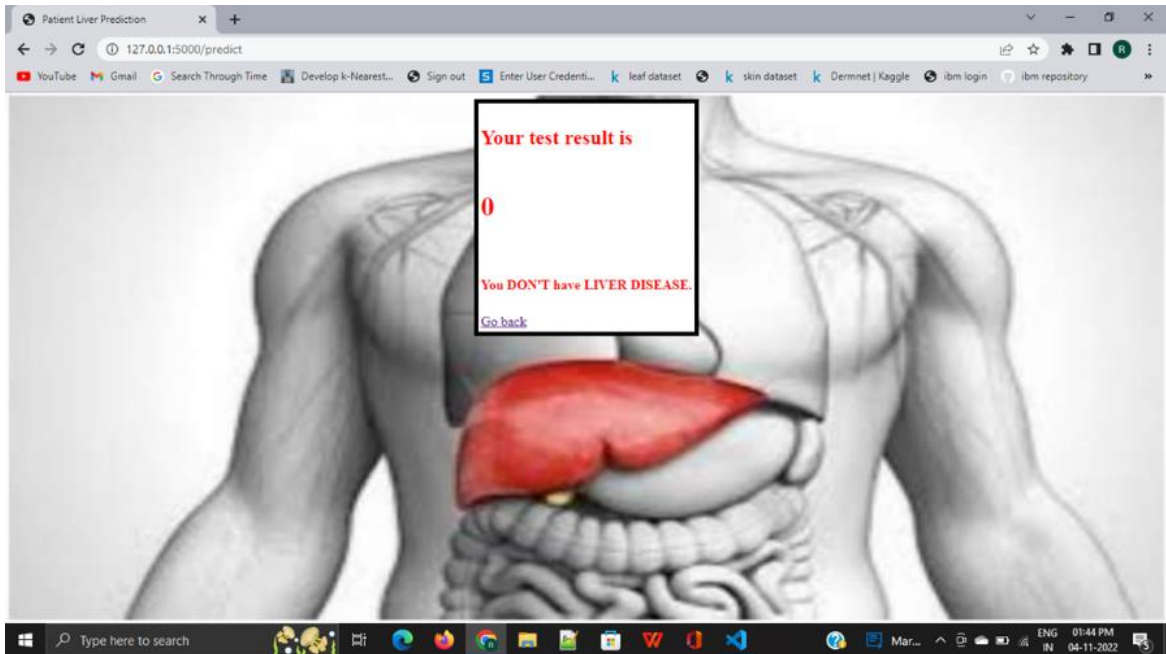
Patient Liver Prediction

Age :	
Gender :	Enter 0 as Male, 1 as Female
Total Bilirubin :	
Direct Bilirubin :	
Alkaline Phosphate :	
Alanine aminotransferase :	
Aspartate aminotransferase :	
Total Protiens :	
Albumin :	
Albumin and Globulin ratio :	

Your test result is

0

You DON'T have LIVER DISEASE.

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