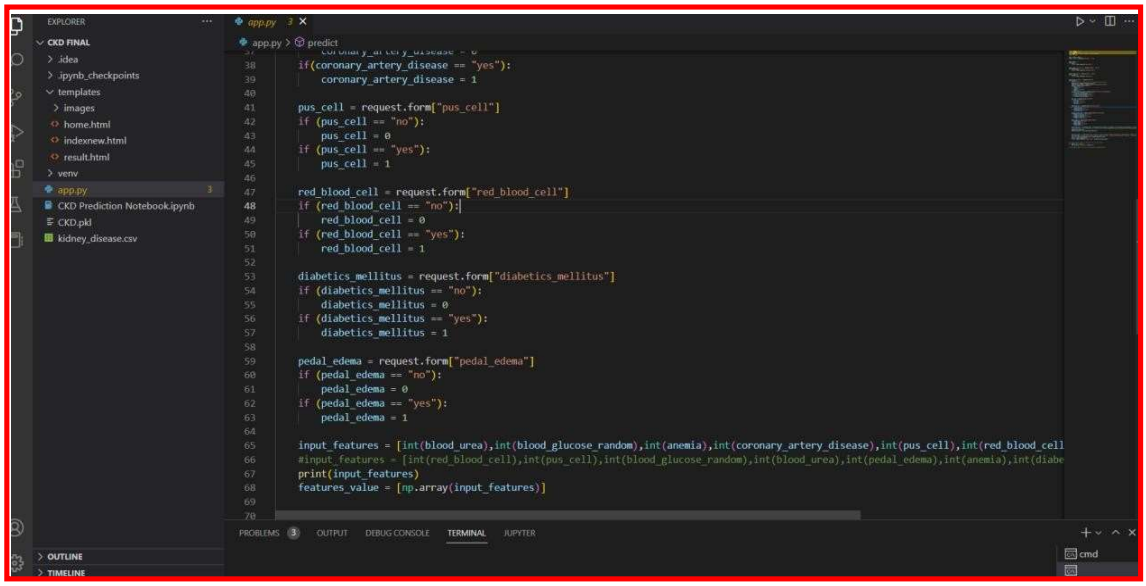
PNT2022TMID41437 **DATE: 14.11.2022**

EARLY DETECTION OF CHRONIC KIDNEY DISEASE

SPRINT 3

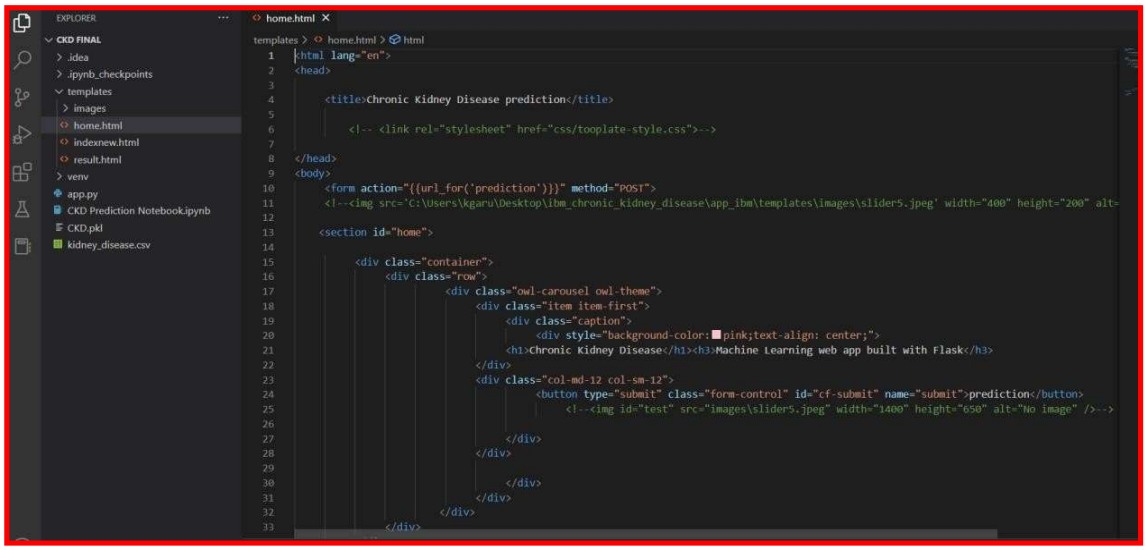
In this sprint we are doing local deployment

App.py code screen



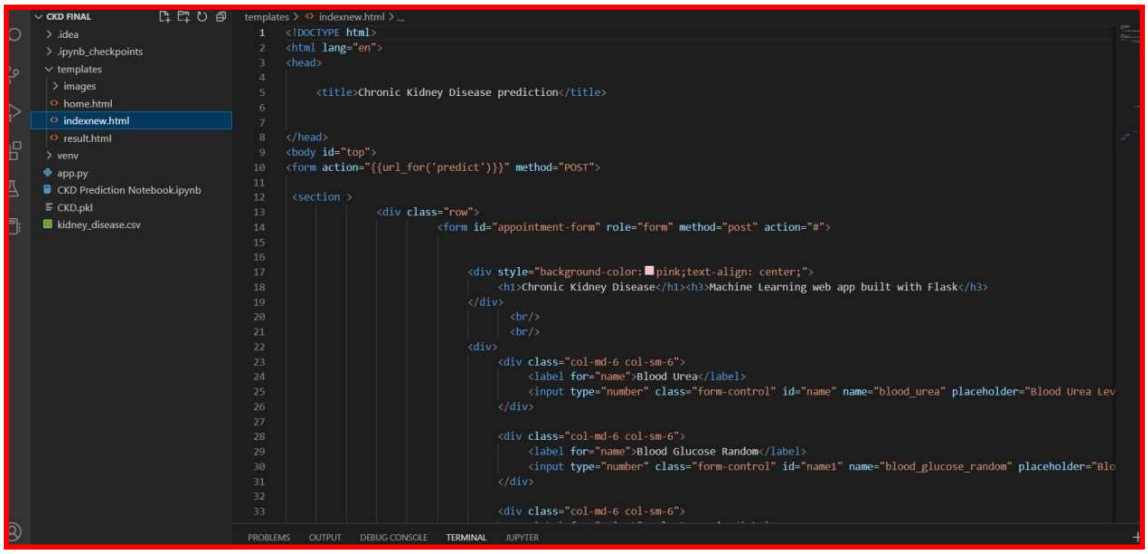
```
if(coronary_artery_disease == "yes"):
    coronary_artery_disease = 1

pus_cell = request.form["pus_cell"]
if (pus_cell == "no"):
    pus_cell = 0
if (pus_cell == "yes"):
    pus_cell = 1

red_blood_cell = request.form["red_blood_cell"]
if (red_blood_cell == "no"):
    red_blood_cell = 0
if (red_blood_cell == "yes"):
    red_blood_cell = 1

diabetics_mellitus = request.form["diabetics_mellitus"]
if (diabetics_mellitus == "no"):
    diabetics_mellitus = 0
if (diabetics_mellitus == "yes"):
    diabetics_mellitus = 1

pedal_edema = request.form["pedal_edema"]
if (pedal_edema == "no"):
    pedal_edema = 0
if (pedal_edema == "yes"):
    pedal_edema = 1

input_features = [int(blood_urea),int(blood_glucose_random),int(anemia),int(coronary_artery_disease),int(pus_cell),int(red_blood_cell
#input_features = [int(red_blood_cell),int(pus_cell),int(blood_glucose_random),int(blood_urea),int(pedal_edema),int(anemia),int(diabe
print(input_features)
features_value = [np.array(input_features)]
```

HOME.HTML CODE SCREEN



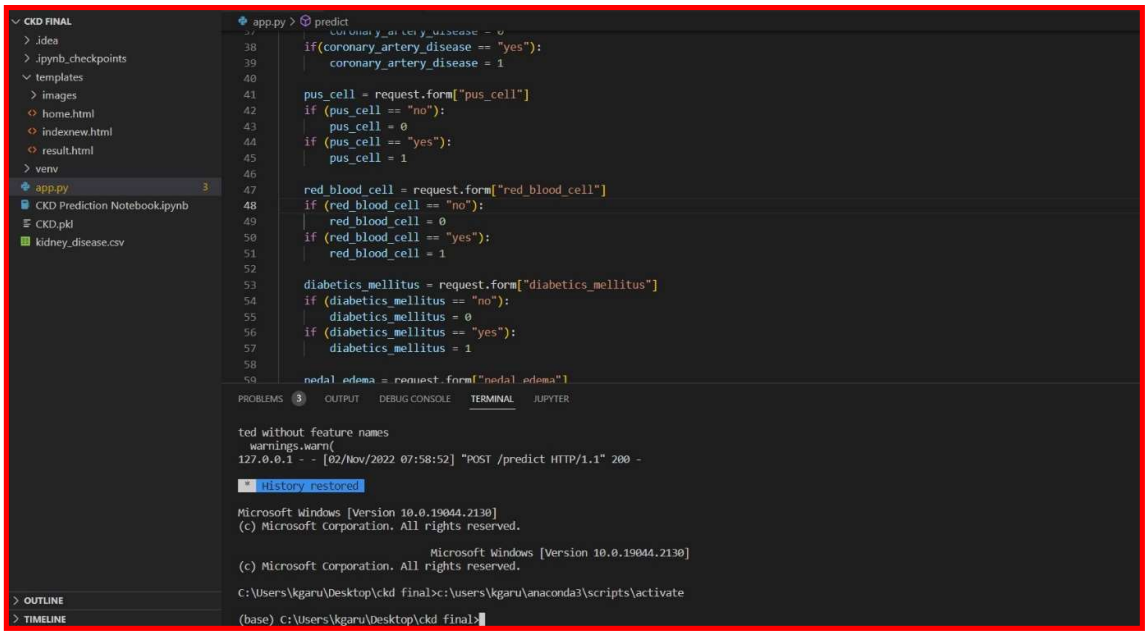
```
<html lang="en">
<head>

    <title>Chronic Kidney Disease prediction</title>

        <!-- <link rel="stylesheet" href="css/tooplate-style.css">-->

</head>
<body>
    <form action="{{url_for('prediction')}}" method="POST">
    <!--<img src='C:\Users\kgaru\Desktop\ibm_chronic_kidney_disease\app_ibm\templates\images\slider5.jpeg' width="400" height="200" alt=

    <section id="home">

        <div class="container">
            <div class="row">
                <div class="owl-carousel owl-theme">
                    <div class="item item-first">
                        <div class="caption">
                            <div style="background-color: pink;text-align: center;">
                            <h1>Chronic Kidney Disease</h1><h3>Machine Learning web app built with Flask</h3>
                        </div>
                        <div class="col-md-12 col-sm-12">
                            <button type="submit" class="form-control" id="cf-submit" name="submit">prediction</button>
                                <!--<img id="test" src="images\slider5.jpeg" width="1400" height="650" alt="No image" />-->

                            </div>
                        </div>

                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
```

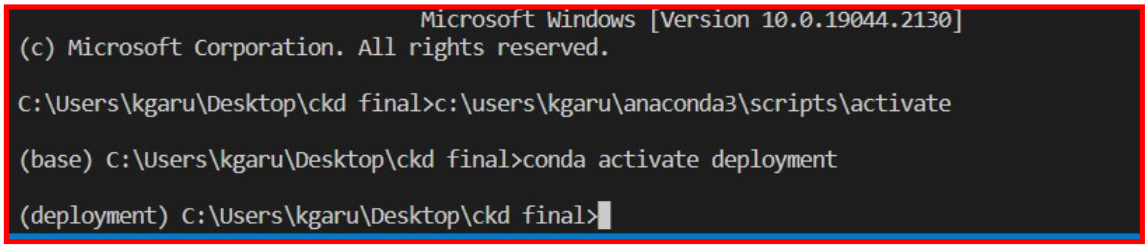
INDEXNEW.HTML CODE SCREEN

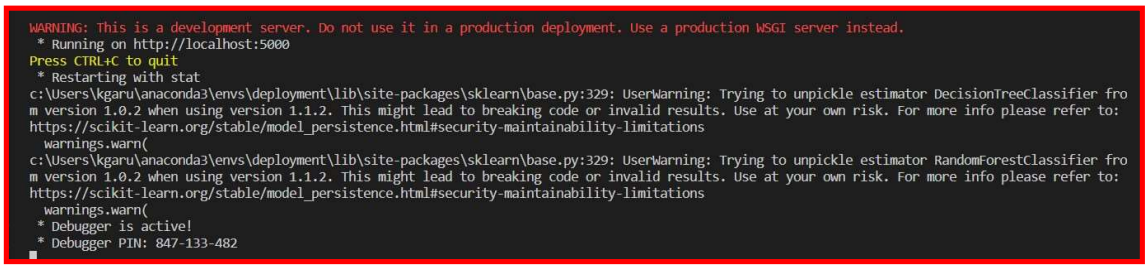


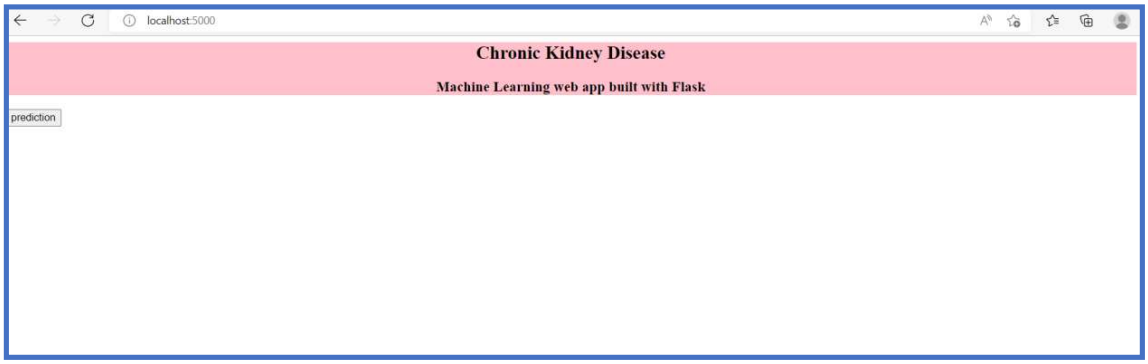
RESULT.HTML CODE SCREEN

LOCAL DEPLOYMENT CODE SCREEN

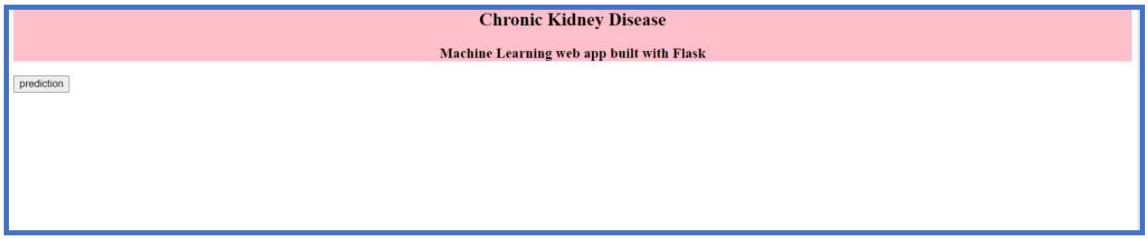


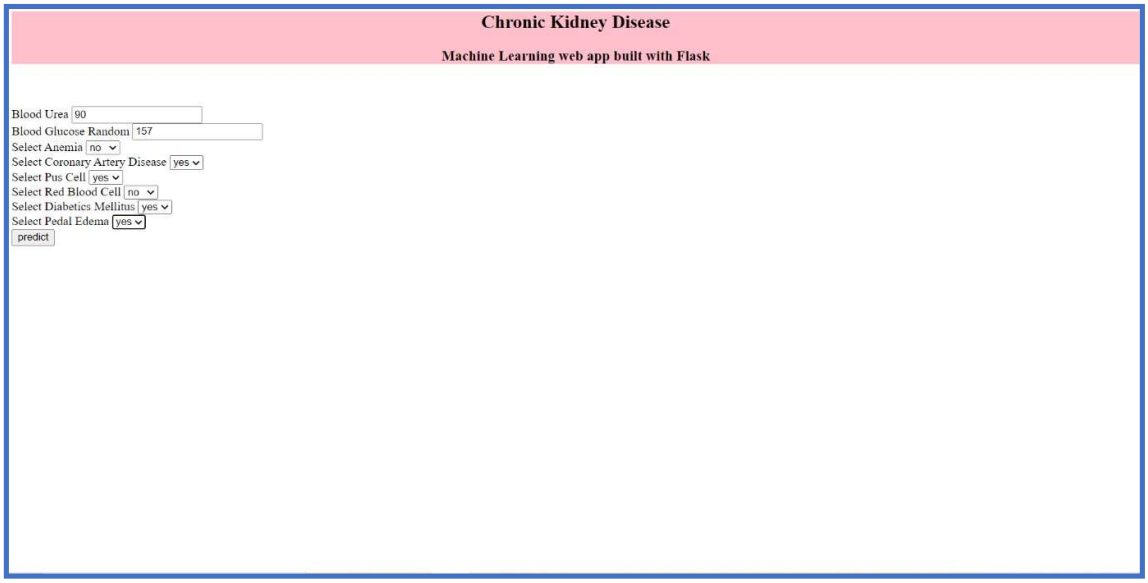


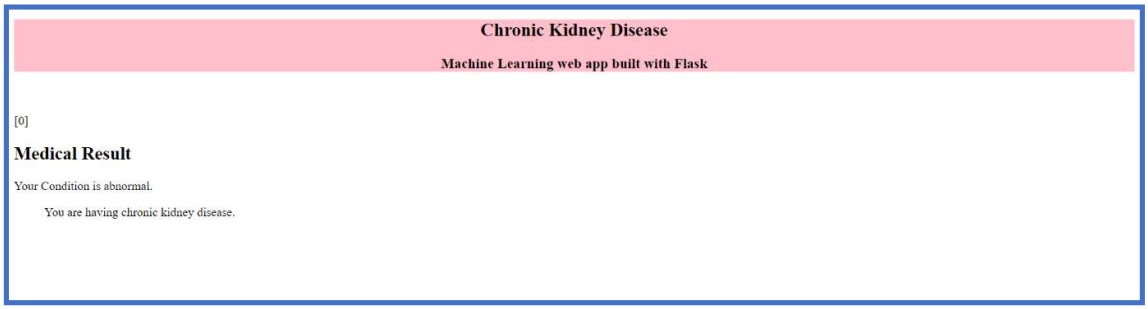




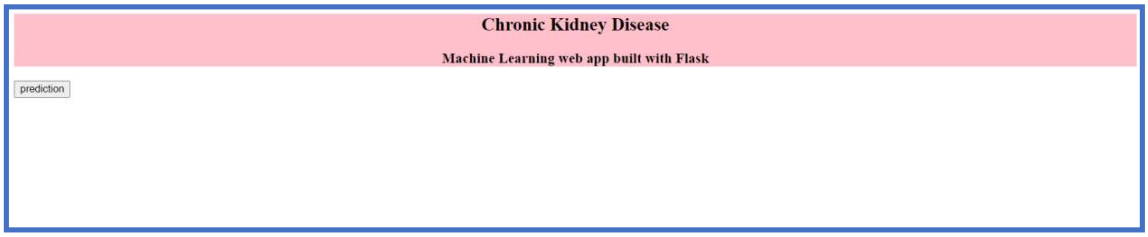
TEST CASE 1: CKD

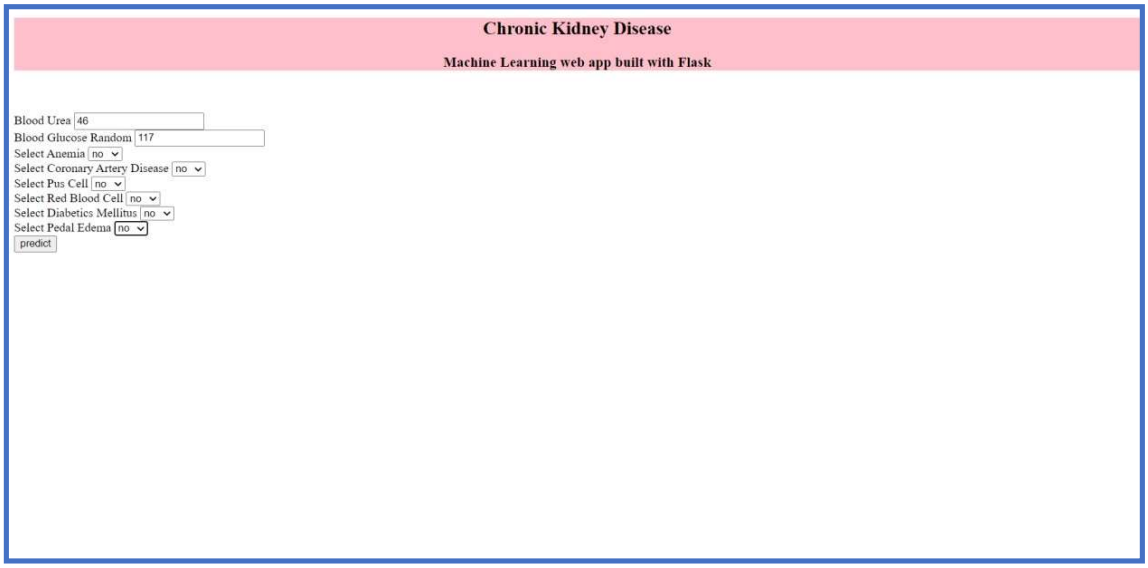


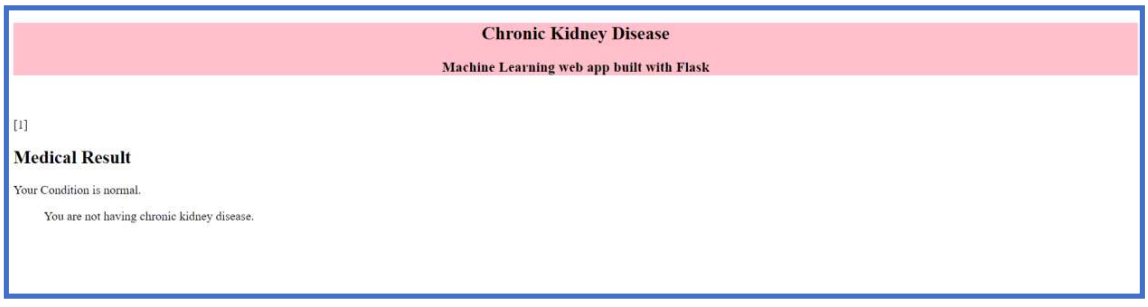




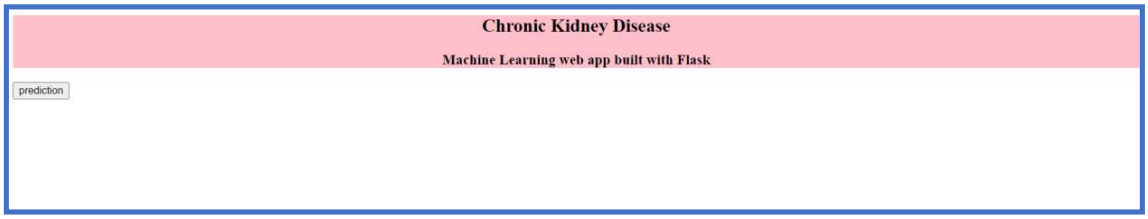
TEST CASE 2: NO CKD

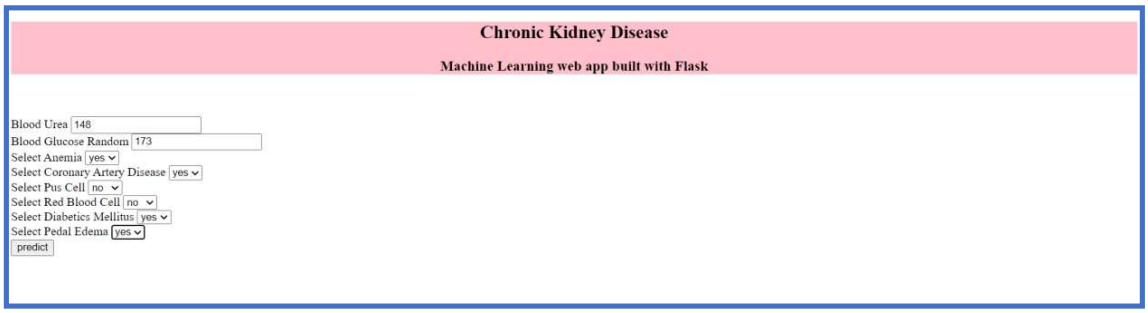


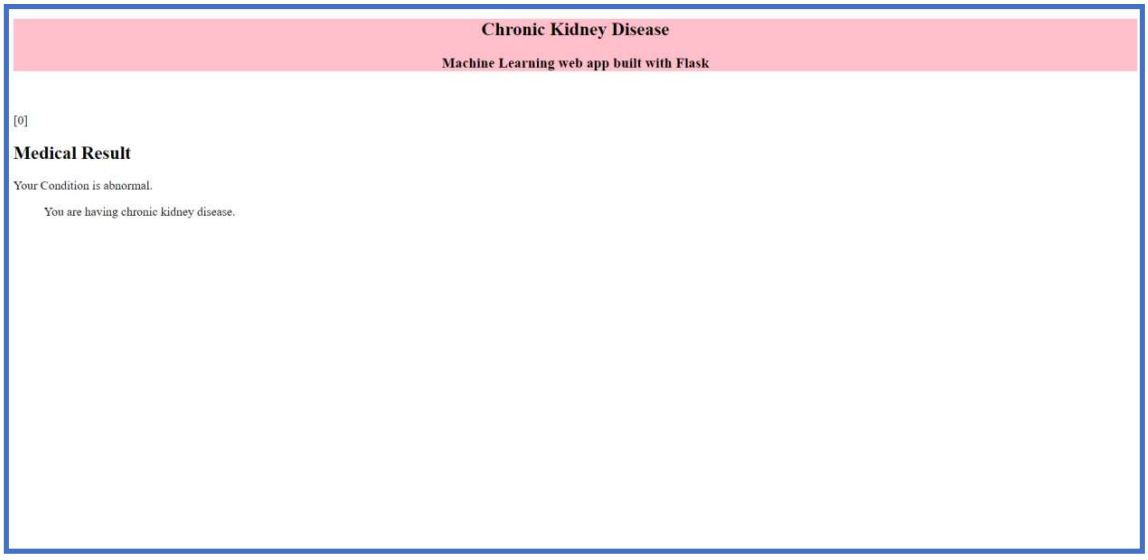




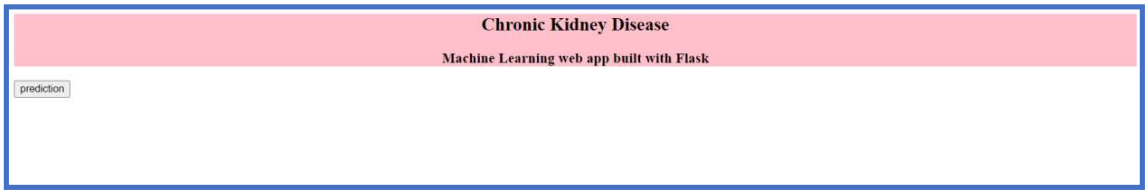
TEST CASE 3: CKD

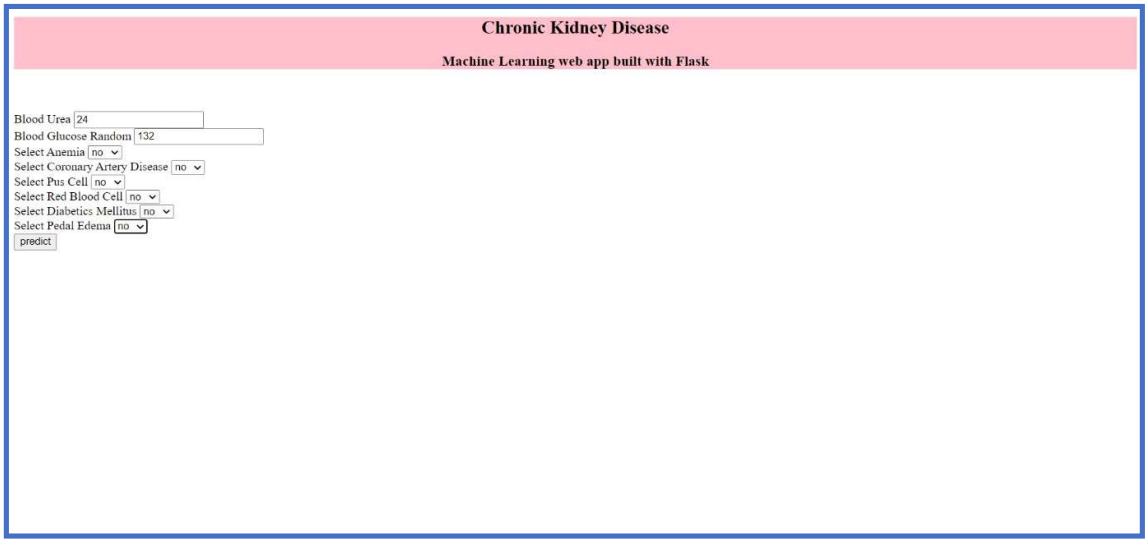


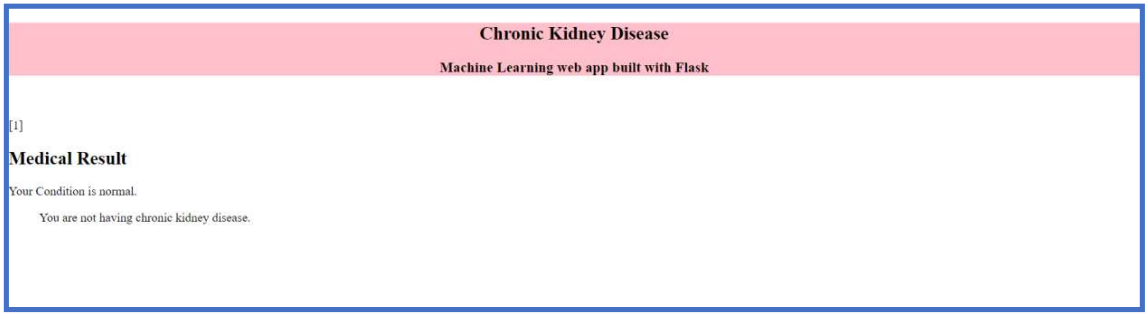




TEST CASE 4: NO CKD







TEST CASE 5: NO CKD