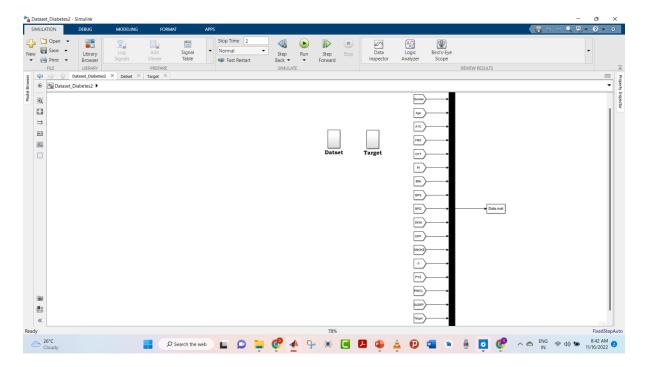
IDEATION

DATE	18 NOVEMBER 2022
TEAM ID	PNT2022TMID19223
PROJECT TITTLE	A GETURE BASED TOOL FOR STERILE
	BROWSING FOR RADIOLOGY IMAGES
TOTAL MARKS	4



IDEATION:

```
allow headers=["*"],
class model_input(BaseModel):
    Gender : int
    Age : int
   A1C : float
    FBS : int
    GTT : int
    Insulin : int
    BMI : int
    BPS : int
   BPD : float
    Skin : float
    DPF : float
    Smoking : float
    Alcohol : float
    Physical Activities : float
    Pregnencies : int
    Sleep : float
# Loading the saved model
diabetes model = pickle.load(open('diabetes model.sav', 'rb'))
@app.post('/diabetes prediction')
def diabetes pred(input parameters : model input):
    input_data = input_parameters.json()
    input dictionary = json.loads(input data)
    gender = input dictionary['Gender']
    age = input dictionary['Age']
    alc test = input dictionary['A1C']
    fast blood sugar = input dictionary['FBS']
    glucose tolarance test = input dictionary['GTT']
    insulin = input dictionary['Insulin']
    bmi = input dictionary['BMI']
    blood pressure systolic = input dictionary['BPS']
    blood pressure diastolic = input dictionary['BPD']
    skin thickness = input dictionary['Skin']
    diabetes pedigree function = input dictionary['DPF']
    smoking = input_dictionary['Smoking']
    alcohol = input dictionary['Alcohol']
    physical activities = input dictionary['Physical Activities']
    pregencies = input dictionary['Pregnencies']
    sleep hours = input dictionary['Sleep']
    input list = [gender, age, alc test, fast blood sugar,
glucose tolarance test, insulin, bmi, blood pressure systolic,
blood pressure_diastolic, skin_thickness, diabetes_pedigree_function,
smoking, alcohol, physical activities, pregencies, sleep hours]
    prediction = diabetes model.predict([input list])
    if prediction[0] == 0:
        return 'The Person is Normal'
    elif prediction[0] == 1:
        return 'The Person is Prediabetic'
    elif prediction[0] == 2:
```

```
return 'The Person is Type 2 Diabetic'
elif prediction[0] == 3:
    return 'The Person is Gestational Diabetic'
elif prediction[0] == 4:
    return 'The Person is Type 1 Diabetic'
else:
    return 'The Person is Type 1 Gestational Diabetic'
```

