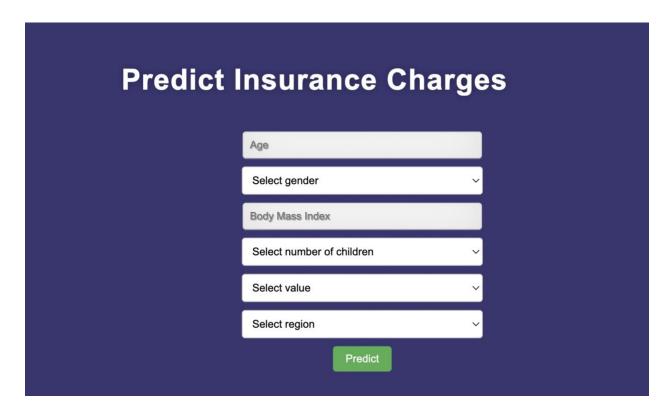
Health Insurance Charges prediction model Deployment

Step 1: Exploratory Analysis on the dataset

```
RangeIndex: 1338 entries, 0 to 1337
Data columns (total 6 columns):
              Non-Null Count Dtype
 #
    Column
 0
              1338 non-null
                             int64
    age
            1338 non-null int64
 1
    sex
 2
            1338 non-null float64
    bmi
 3
    children 1338 non-null int64
 4
    smoker 1338 non-null int64
 5
    region 1338 non-null int64
dtypes: float64(1), int64(5)
memory usage: 62.8 KB
None
               bmi
                   children smoker
                                    region
  age
       sex
   19
         1 27.900
0
                                  1
                                         1
         2 33.770
                                  2
                                         2
1
   18
                          1
2
                                  2
   28
         2 33.000
                          3
                                         2
                                  2
3
   33
         2 22.705
                          0
                                         3
   32
         2 28.880
                                         3
```

Step 2: Model Deployment using Flask and pickle.

Step 3: Rendering web page using render template and request:



Step 4: Predicted Charges of insurance:

Predicted value for a person whose:

Age = 21

Gender = Male

BMI = 32.23

Children = 1

Smoker= No

Region = southwest

Insurance charge should be \$ 4258.81