Front - End Development

For

Vaccination Drives and Health Management System

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Backend Handling Program:

views.py

Vaccination > views.py

```python
from django.http.response import HttpResponse
from django.shortcuts import redirect, render
import psycopg2

# Setting up the connection to the Local database
connection = psycopg2.connect(host="localhost",database="201901419_SRS",user="postgres",password="admin",options='-c
cursor = connection.cursor()


# Method for Home page
def Home(request):
    return render(request,'Vaccination/index.html')

```

```python
# Method for Inventory handling
def addInventory(request):
    try:
        if request.method=="POST":
                if request.POST.get('i_insert'):
                    # Handling post request for insertion
                    i_ID = int(request.POST.get('i_ID'))
                    Name = "'"+request.POST.get('i_Name')+"'"
                    City = "'"+request.POST.get('i_City')+"'"
                    VaccineType = "'"+request.POST.get('i_type')+"'"
                    Stock = "'"+request.POST.get('i_stock')+"'"

                    querr = f'insert into inventory values({i_ID},{Name},{City},{VaccineType},{Stock})'
                    cursor.execute(querr)
                    connection.commit()

                    querr = 'select * from inventory'
                    cursor.execute(querr)
                    connection.commit()
                    tuples = cursor.fetchall()
                    context = {'tuples':tuples}
                    return render(request,'Vaccination/print_inventory.html',context)
                elif request.POST.get('i_search'):
                    # Handling post request for searching
                    querr = 'select * from inventory'
                    cursor.execute(querr)
                    connection.commit()
                    tuples = cursor.fetchall()
                    context = {'tuples':tuples}
                    return render(request,'Vaccination/print_inventory.html',context)
```

```
                elif request.POST.get('i_delete'):
                    # Handling post request for deletion
                    print('Delete func')
                    iid = request.POST.get('i_delete')
                    querr = f'delete from inventory where inventory_id={iid}'
                    cursor.execute(querr)
                    connection.commit()
                    print('Deleted successfully')
                    querr = 'select * from inventory'
                    cursor.execute(querr)
                    connection.commit()
                    tuples = cursor.fetchall()
                    context = {'tuples':tuples}
                    return render(request,'Vaccination/print_inventory.html',context)

    except:
        return HttpResponse('<p>Some Error Occured</p>')


    return render(request,'Vaccination/inventory.html')


```

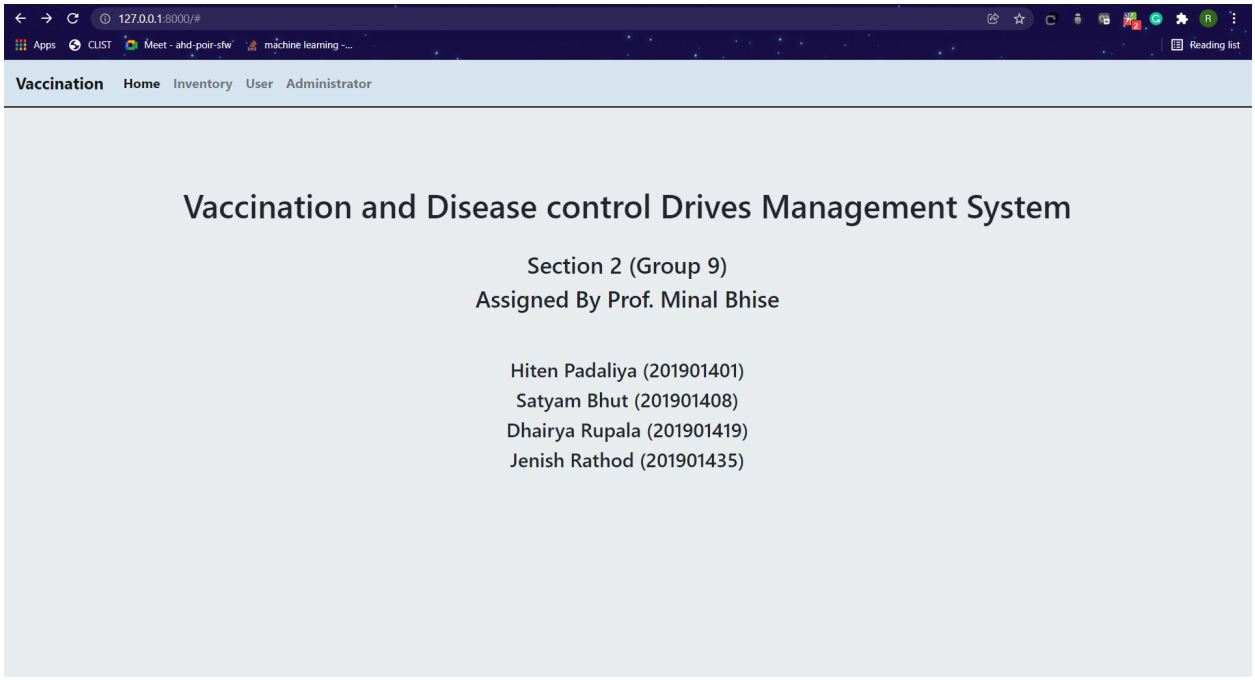
```
# Method for User handling
def addUser(request):
    try:
        if request.method=="POST":
                if request.POST.get('u_insert'):
                    # Handling post request for insertion
                    u_ID = int(request.POST.get('u_ID'))
                    u_CID = int(request.POST.get('u_Center_Id'))
                    u_SID = int(request.POST.get('u_Slot_ID'))
                    u_Name = "'"+request.POST.get('u_Name')+"'"
                    u_Gender = "'"+request.POST.get('u_Gender')+"'"
                    u_Age = int(request.POST.get('u_Age'))
                    u_Add = "'"+request.POST.get('u_Address')+"'"
                    u_City = "'"+request.POST.get('u_City')+"'"
                    u_VaccineType = "'"+request.POST.get('u_Vaccine')+"'"
                    u_IS = "'"+request.POST.get('u_Is_Vaccinated')+"'"

                    querr = f'insert into users values({u_ID},{u_CID},{u_SID},{u_Name},{u_Gender},{u_Age},{u_Add},{u_
                    cursor.execute(querr)
                    connection.commit()

                    querr = 'select * from users'
                    cursor.execute(querr)
                    connection.commit()
                    tuples = cursor.fetchall()
                    context = {'tuples':tuples}
                    return render(request,'Vaccination/print_user.html',context)
```

```
93                  elif request.POST.get('u_search'):
94                      # Handling post request for searching
95                      querr = 'select * from users'
96                      cursor.execute(querr)
97                      connection.commit()
98                      tuples = cursor.fetchall()
99                      context = {'tuples':tuples}
100                     return render(request,'Vaccination/print_user.html',context)
101                 elif request.POST.get('u_delete'):
102                     # Handling post request for deletion
103                     u_id = request.POST.get('u_delete')
104                     querr = f'delete from users where user_id={u_id}'
105                     cursor.execute(querr)
106                     connection.commit()
107
108                     querr = 'select * from users'
109                     cursor.execute(querr)
110                     connection.commit()
111                     tuples = cursor.fetchall()
112                     context = {'tuples':tuples}
113                     return render(request,'Vaccination/print_user.html',context)
114     except:
115         return HttpResponse('<p> Some error occured</p>')
116
117     return render(request,'Vaccination/user.html')
118
119
```

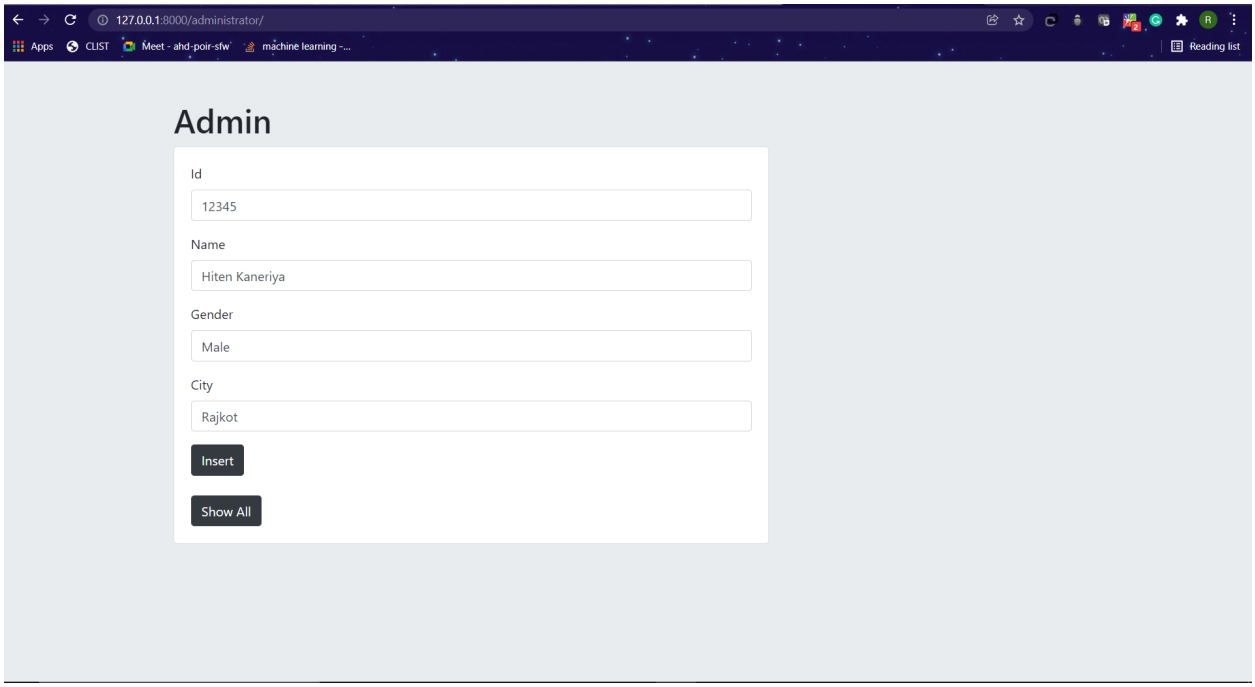
```
120 # Method for Admin handling
121 def addAdmin(request):
122     try:
123         if request.method=="POST":
124                 if request.POST.get('a_insert'):
125                     # Handling post request for insertion
126                     a_ID = int(request.POST.get('a_ID'))
127                     Name = "'"+request.POST.get('a_Name')+"'"
128                     Gender = "'"+request.POST.get('a_Gender')+"'"
129                     City = "'"+request.POST.get('a_City')+"'"
130                     querr = f'insert into administrator values({a_ID},{Name},{Gender},{City})'
131                     cursor.execute(querr)
132                     connection.commit()
133
134                     querr = 'select * from administrator'
135                     cursor.execute(querr)
136                     connection.commit()
137                     tuples = cursor.fetchall()
138                     context = {'tuples':tuples}
139                     return render(request,'Vaccination/print_admin.html',context)
140                 elif request.POST.get('a_search'):
141                     # Handling post request for searching
142                     querr = 'select * from administrator'
143                     cursor.execute(querr)
144                     connection.commit()
145                     tuples = cursor.fetchall()
146                     context = {'tuples':tuples}
147                     return render(request,'Vaccination/print_admin.html',context)
```

```
148                 elif request.POST.get('a_delete'):
149                     # Handling post request for deletion
150                     a_id = request.POST.get('a_delete')
151                     querr = f'delete from administrator where admin_id={a_id}'
152                     cursor.execute(querr)
153                     connection.commit()
154 
155                     querr = 'select * from administrator'
156                     cursor.execute(querr)
157                     connection.commit()
158                     tuples = cursor.fetchall()
159                     context = {'tuples':tuples}
160                     return render(request,'Vaccination/print_admin.html',context)
161         except:
162             return HttpResponse('<p> Some error occured</p>')
163 
164         return render(request,'Vaccination/admin.html')
165 
```

Home Page of the Website:



Admin Form of the Website:



Showing the Admin Data: