

Front - End Development

For

Vaccination Drives and Health Management System

Prepared By

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Organization

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Backend Handling Program:

```
views.py X
Vaccination > views.py
1  from django.http.response import HttpResponseRedirect
2  from django.shortcuts import redirect, render
3  import psycopg2
4
5  # Setting up the connection to the Local database
6  connection = psycopg2.connect(host="localhost",database="201901419_SRS",user="postgres",password="admin",options='-c
7  cursor = connection.cursor()
8
9
10 # Method for Home page
11 def Home(request):
12     return render(request,'Vaccination/index.html')
13
```

```
15 # Method for Inventory handling
16 def addInventory(request):
17     try:
18         if request.method=="POST":
19             if request.POST.get('i_insert'):
20                 # Handling post request for insertion
21                 i_ID = int(request.POST.get('i_ID'))
22                 Name = ""+request.POST.get('i_Name')+""
23                 City = ""+request.POST.get('i_City')+""
24                 VaccineType = ""+request.POST.get('i_type')+""
25                 Stock = ""+request.POST.get('i_stock')+""
26
27                 querr = f'insert into inventory values({i_ID},{Name},{City},{VaccineType},{Stock})'
28                 cursor.execute(querr)
29                 connection.commit()
30
31                 querr = 'select * from inventory'
32                 cursor.execute(querr)
33                 connection.commit()
34                 tuples = cursor.fetchall()
35                 context = {'tuples':tuples}
36                 return render(request,'Vaccination/print_inventory.html',context)
37             elif request.POST.get('i_search'):
38                 # Handling post request for searching
39                 querr = 'select * from inventory'
40                 cursor.execute(querr)
41                 connection.commit()
42                 tuples = cursor.fetchall()
43                 context = {'tuples':tuples}
44                 return render(request,'Vaccination/print_inventory.html',context)
```

```

45         elif request.POST.get('i_delete'):
46             # Handling post request for deletion
47             print('Delete func')
48             iid = request.POST.get('i_delete')
49             querr = f'delete from inventory where inventory_id={iid}'
50             cursor.execute(querr)
51             connection.commit()
52             print('Deleted successfully')
53             querr = 'select * from inventory'
54             cursor.execute(querr)
55             connection.commit()
56             tuples = cursor.fetchall()
57             context = {'tuples':tuples}
58             return render(request, 'Vaccination/print_inventory.html', context)
59
60     except:
61         return HttpResponse('<p>Some Error Occured</p>')
62
63
64     return render(request, 'Vaccination/inventory.html')
65
66

```

```

66 # Method for User handling
67 def addUser(request):
68     try:
69         if request.method=="POST":
70             if request.POST.get('u_insert'):
71                 # Handling post request for insertion
72                 u_ID = int(request.POST.get('u_ID'))
73                 u_CID = int(request.POST.get('u_Center_Id'))
74                 u_SID = int(request.POST.get('u_Slot_ID'))
75                 u_Name = ""+request.POST.get('u_Name')+""
76                 u_Gender = ""+request.POST.get('u_Gender')+""
77                 u_Age = int(request.POST.get('u_Age'))
78                 u_Add = ""+request.POST.get('u_Address')+""
79                 u_City = ""+request.POST.get('u_City')+""
80                 u_VaccineType = ""+request.POST.get('u_Vaccine')+""
81                 u_IS = ""+request.POST.get('u_Is_Vaccinated')+""
82
83                 querr = f'insert into users values({u_ID},{u_CID},{u_SID},{u_Name},{u_Gender},{u_Age},{u_Add},{u_
84                 cursor.execute(querr)
85                 connection.commit()
86
87                 querr = 'select * from users'
88                 cursor.execute(querr)
89                 connection.commit()
90                 tuples = cursor.fetchall()
91                 context = {'tuples':tuples}
92                 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)

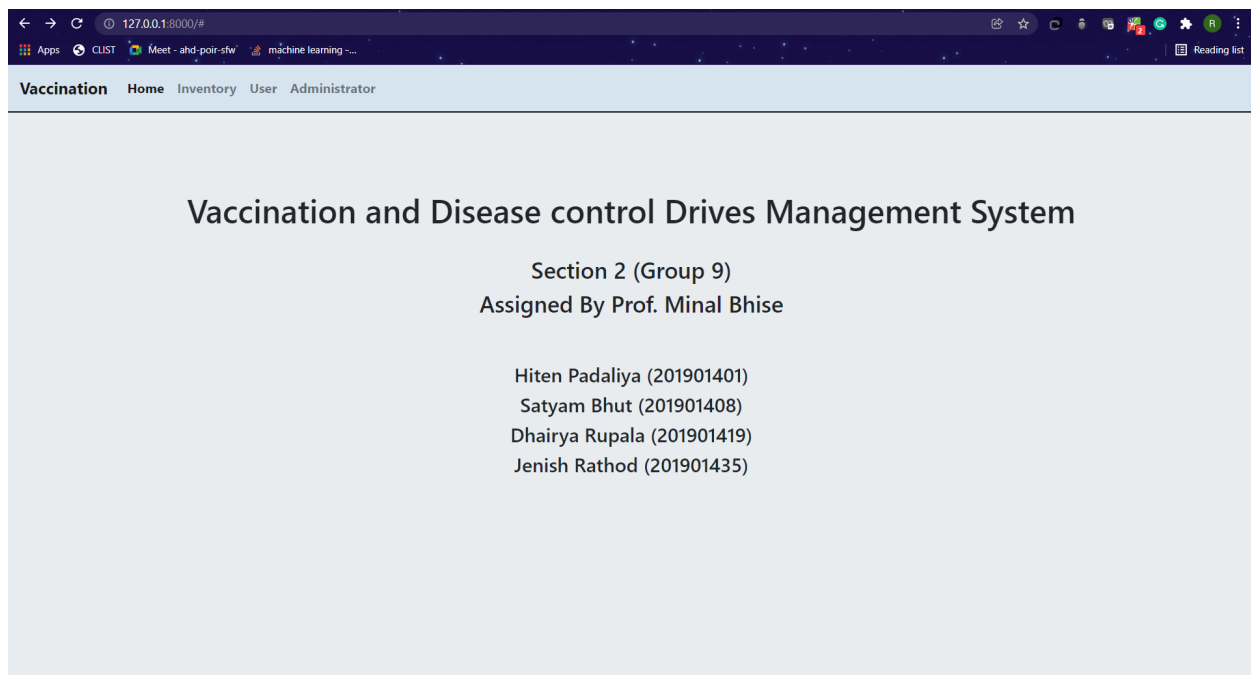
```

```

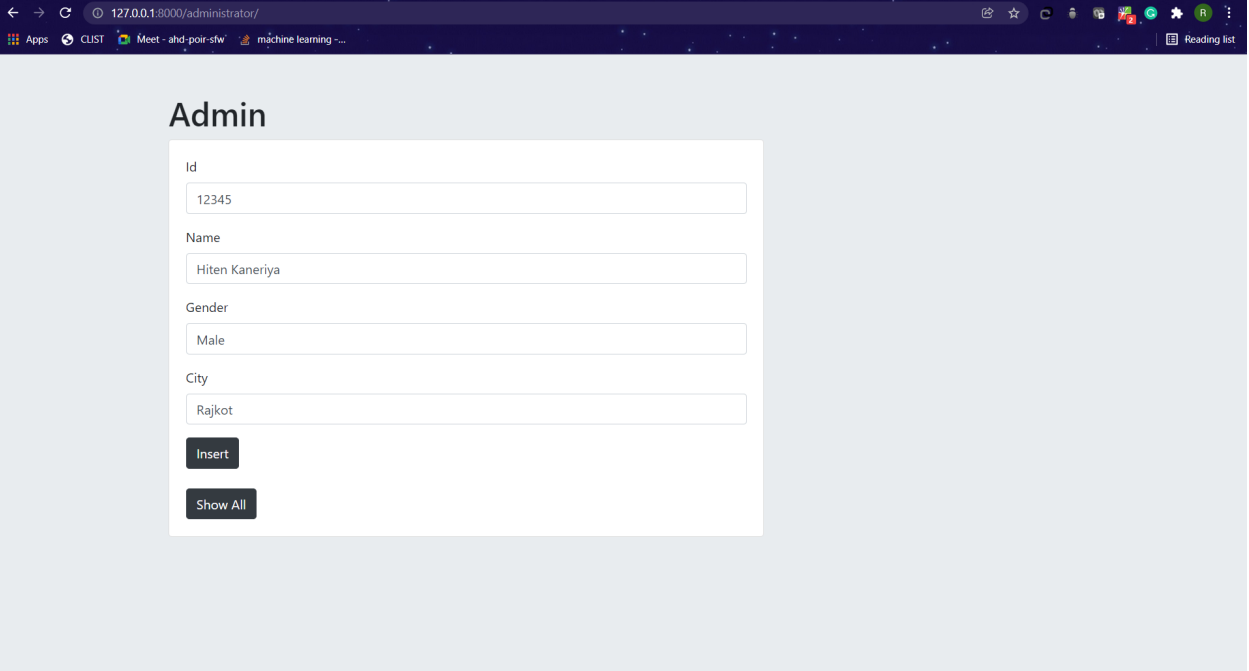
148 elif request.POST.get('a_delete'):
149     # Handling post request for deletion
150     a_id = request.POST.get('a_delete')
151     querr = f'delete from administrator where admin_id={a_id}'
152     cursor.execute(querr)
153     connection.commit()
154
155     querr = 'select * from administrator'
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 occurred</p>')
163
164 return render(request,'Vaccination/admin.html')
165

```

Home Page of the Website:



Admin Form of the Website:



Admin

Id
12345

Name
Hiten Kaneriya

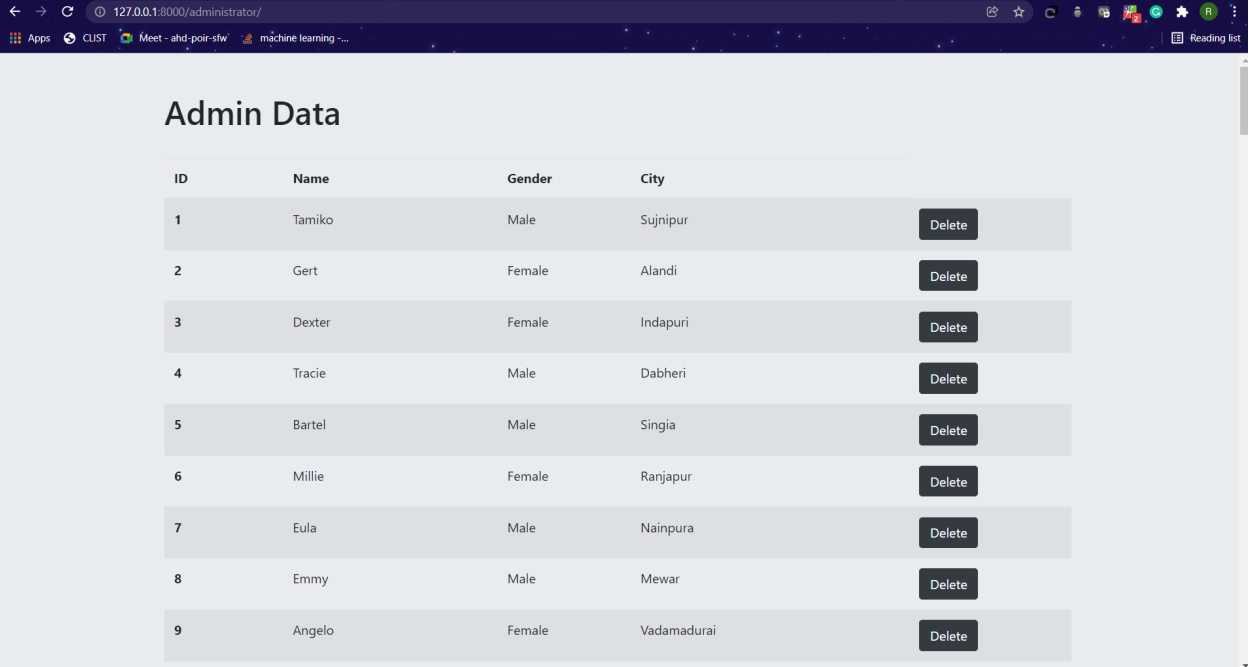
Gender
Male

City
Rajkot

Insert

Show All

Showing the Admin Data:



Admin Data

| ID | Name | Gender | City | |
|----|--------|--------|-------------|--------|
| 1 | Tamiko | Male | Sujnipur | Delete |
| 2 | Gert | Female | Alandi | Delete |
| 3 | Dexter | Female | Indapuri | Delete |
| 4 | Tracie | Male | Dabheri | Delete |
| 5 | Bartel | Male | Singia | Delete |
| 6 | Millie | Female | Ranjapur | Delete |
| 7 | Eula | Male | Nainpura | Delete |
| 8 | Emmy | Male | Mewar | Delete |
| 9 | Angelo | Female | Vadamadurai | Delete |

