**SPRINT – 1 Code**

**Candidate Registration**

@public.route('/register/',methods=['get','post'])

def register():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

q="select \* from login"

login = select(q)

data['login']=login

q="select \* from party"

party = select(q)

data['party']=party

q="select \* from constituency"

constituency = select(q)

data['constituency']=constituency

if 'add\_candidate' in request.form:

username=request.form['username']

password=request.form['password']

login\_type='candidate'

q="insert into login(username,password,login\_type,login\_status)values('%s','%s','%s','pending')" % (username,password,login\_type)

login\_id = insert(q)

party\_id=request.form['party\_id']

first\_name=request.form['first\_name']

last\_name=request.form['last\_name']

photo=request.files['photo']

#filename="abc.jpg"

filename=str(uuid.uuid4())+".jpg"

photo.save('static/uploads/'+filename)

age=request.form['age']

dob=request.form['dob']

father\_name=request.form['father\_name']

gender=request.form['gender']

house\_name=request.form['house\_name']

place=request.form['place']

pincode=request.form['pincode']

constituency\_id=request.form['constituency\_id']

liabilities=request.form['liabilities']

assets=request.form['assets']

total\_annual\_income=request.form['total\_annual\_income']

q = "insert into candidate(login\_id,party\_id,first\_name,last\_name,photo,age,dob,father\_name,gender,house\_name,place,pincode,constituency\_id,liabilities,assets,total\_annual\_income,candidate\_status)VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','pending')" % (login\_id,party\_id,first\_name,last\_name,filename,age,dob,father\_name,gender,house\_name,place,pincode,constituency\_id,liabilities,assets,total\_annual\_income)

insert(q)

flash('Success')

return render\_template('public\_register.html',data=data)

**Public Login**

from flask import Blueprint,render\_template,redirect,url\_for,session,request,flash

from database import \*

import uuid

public = Blueprint('public',\_\_name\_\_)

@public.route('/',methods=['get','post'])

def home():

data={}

return render\_template('public\_home.html',data=data)

@public.route('/login/',methods=['get','post'])

def login():

data={}

if 'submit' in request.form:

username=request.form['username']

password=request.form['password']

q="select \* from login where username='%s' and password='%s'" % (username,password)

res = select(q)

if len(res) > 0:

session['login\_id']=res[0]['login\_id']

if res[0]['login\_type'] == 'public':

return redirect(url\_for('public.home'))

if res[0]['login\_type'] == 'admin':

return redirect(url\_for('admin.home'))

if res[0]['login\_type'] == 'candidate':

if res[0]['login\_status'] == 'approved':

return redirect(url\_for('candidate.home'))

else:

flash('login\_failed.Try Again.')

return render\_template('public\_login.html',data=data)

**Manage States**

from flask import Blueprint,render\_template,redirect,url\_for,session,request,flash

from database import \*

admin = Blueprint('admin',\_\_name\_\_)

@admin.route('/home/',methods=['get','post'])

def home():

data={}

return render\_template('admin\_home.html',data=data)

@admin.route('/manage\_states/',methods=['get','post'])

def manage\_states():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

if 'add\_state' in request.form:

state\_name=request.form['state\_name']

description=request.form['description']

q = "insert into state(state\_name,description)VALUES('%s','%s')" % (state\_name,description)

insert(q)

flash('Success')

if 'update\_state' in request.form:

state\_id=request.form['state\_id']

state\_name=request.form['state\_name']

description=request.form['description']

q="update state set state\_name='%s',description='%s' WHERE state\_id='%s' " % (state\_name,description,state\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from state where state\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from state where state\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from state "

state = select(q)

data['state']=state

return render\_template('admin\_manage\_states.html',data=data)

**Manage Constituencies**

@admin.route('/manage\_constituencies/',methods=['get','post'])

def manage\_constituencies():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

q="select \* from state"

state = select(q)

data['state']=state

if 'add\_constituency' in request.form:

state\_id=request.form['state\_id']

constituency=request.form['constituency']

description=request.form['description']

q = "insert into constituency(state\_id,constituency,description)VALUES('%s','%s','%s')" % (state\_id,constituency,description)

insert(q)

flash('Success')

if 'update\_constituency' in request.form:

constituency\_id=request.form['constituency\_id']

constituency=request.form['constituency']

description=request.form['description']

q="update constituency set constituency='%s',description='%s' WHERE constituency\_id='%s' " % (constituency,description,constituency\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from constituency where constituency\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from constituency where constituency\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from constituency inner join state using(state\_id)"

constituency = select(q)

data['constituency']=constituency

return render\_template('admin\_manage\_constituencies.html',data=data)

**Manage booths**

@admin.route('/manage\_booths/',methods=['get','post'])

def manage\_booths():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

q="select \* from constituency"

constituency = select(q)

data['constituency']=constituency

if 'add\_booth' in request.form:

constituency\_id=request.form['constituency\_id']

booth\_name=request.form['booth\_name']

description=request.form['description']

q = "insert into booth(constituency\_id,booth\_name,description)VALUES('%s','%s','%s')" % (constituency\_id,booth\_name,description)

insert(q)

flash('Success')

if 'update\_booth' in request.form:

booth\_id=request.form['booth\_id']

booth\_name=request.form['booth\_name']

description=request.form['description']

q="update booth set booth\_name='%s',description='%s' WHERE booth\_id='%s' " % (booth\_name,description,booth\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from booth where booth\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from booth where booth\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from booth inner join constituency using(constituency\_id)"

booth = select(q)

data['booth']=booth

return render\_template('admin\_manage\_booths.html',data=data)

**Manage officers**

@admin.route('/manage\_officers/',methods=['get','post'])

def manage\_officers():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

q="select \* from booth"

booth = select(q)

data['booth']=booth

if 'add\_officer' in request.form:

first\_name=request.form['first\_name']

last\_name=request.form['last\_name']

gender=request.form['gender']

designation=request.form['designation']

place=request.form['place']

housename=request.form['housename']

pincode=request.form['pincode']

phone=request.form['phone']

email=request.form['email']

booth\_id=request.form['booth\_id']

q = "insert into officer(first\_name,last\_name,gender,designation,place,housename,pincode,phone,email,booth\_id)VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (first\_name,last\_name,gender,designation,place,housename,pincode,phone,email,booth\_id)

insert(q)

flash('Success')

if 'update\_officer' in request.form:

officer\_id=request.form['officer\_id']

first\_name=request.form['first\_name']

last\_name=request.form['last\_name']

gender=request.form['gender']

designation=request.form['designation']

place=request.form['place']

housename=request.form['housename']

pincode=request.form['pincode']

phone=request.form['phone']

email=request.form['email']

q="update officer set first\_name='%s',last\_name='%s',gender='%s',designation='%s',place='%s',housename='%s',pincode='%s',phone='%s',email='%s' WHERE officer\_id='%s' " % (first\_name,last\_name,gender,designation,place,housename,pincode,phone,email,officer\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from officer where officer\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from officer where officer\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from officer inner join booth using(booth\_id)"

officer = select(q)

data['officer']=officer

return render\_template('admin\_manage\_officers.html',data=data)

**Manage voters**

@admin.route('/manage\_voters/',methods=['get','post'])

def manage\_voters():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

q="select \* from booth"

booth = select(q)

data['booth']=booth

if 'add\_voter' in request.form:

first\_name=request.form['first\_name']

last\_name=request.form['last\_name']

age=request.form['age']

dob=request.form['dob']

gender=request.form['gender']

phone=request.form['phone']

email=request.form['email']

father\_name=request.form['father\_name']

house\_name=request.form['house\_name']

place=request.form['place']

pincode=request.form['pincode']

booth\_id=request.form['booth\_id']

photo=request.form['photo']

identification\_mark1=request.form['identification\_mark1']

identification\_mark2=request.form['identification\_mark2']

q = "insert into voter(first\_name,last\_name,age,dob,gender,phone,email,father\_name,house\_name,place,pincode,booth\_id,photo,identification\_mark1,identification\_mark2)VALUES('%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s','%s')" % (first\_name,last\_name,age,dob,gender,phone,email,father\_name,house\_name,place,pincode,booth\_id,photo,identification\_mark1,identification\_mark2)

insert(q)

flash('Success')

if 'update\_voter' in request.form:

voter\_id=request.form['voter\_id']

first\_name=request.form['first\_name']

last\_name=request.form['last\_name']

age=request.form['age']

dob=request.form['dob']

gender=request.form['gender']

phone=request.form['phone']

email=request.form['email']

father\_name=request.form['father\_name']

house\_name=request.form['house\_name']

place=request.form['place']

pincode=request.form['pincode']

photo=request.form['photo']

identification\_mark1=request.form['identification\_mark1']

identification\_mark2=request.form['identification\_mark2']

q="update voter set first\_name='%s',last\_name='%s',age='%s',dob='%s',gender='%s',phone='%s',email='%s',father\_name='%s',house\_name='%s',place='%s',pincode='%s',photo='%s',identification\_mark1='%s',identification\_mark2='%s' WHERE voter\_id='%s' " % (first\_name,last\_name,age,dob,gender,phone,email,father\_name,house\_name,place,pincode,photo,identification\_mark1,identification\_mark2,voter\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from voter where voter\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from voter where voter\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from voter inner join booth using(booth\_id)"

voter = select(q)

data['voter']=voter

return render\_template('admin\_manage\_voters.html',data=data)

**Manage Election Dates**

@admin.route('/manage\_election/',methods=['get','post'])

def manage\_election():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

if 'add\_election' in request.form:

election\_type=request.form['election\_type']

start\_datetime=request.form['start\_datetime']

end\_datetime=request.form['end\_datetime']

election\_status='active'

q = "insert into election(election\_type,start\_datetime,end\_datetime,election\_status)VALUES('%s','%s','%s','%s')" % (election\_type,start\_datetime,end\_datetime,election\_status)

insert(q)

flash('Success')

if 'update\_election' in request.form:

election\_id=request.form['election\_id']

election\_type=request.form['election\_type']

start\_datetime=request.form['start\_datetime']

end\_datetime=request.form['end\_datetime']

q="update election set election\_type='%s',start\_datetime='%s',end\_datetime='%s' WHERE election\_id='%s' " % (election\_type,start\_datetime,end\_datetime,election\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from election where election\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from election where election\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from election "

election = select(q)

data['election']=election

return render\_template('admin\_manage\_election.html',data=data)

**Manage parties**

@admin.route('/manage\_parties/',methods=['get','post'])

def manage\_parties():

data={}

if 'action' in request.args:

action = request.args['action']

id = request.args['id']

else:

action=None

if 'add\_party' in request.form:

party\_name=request.form['party\_name']

established\_year=request.form['established\_year']

secretary\_name=request.form['secretary\_name']

phone=request.form['phone']

website=request.form['website']

description=request.form['description']

emblem\_pic=request.form['emblem\_pic']

q = "insert into party(party\_name,established\_year,secretary\_name,phone,website,description,emblem\_pic)VALUES('%s','%s','%s','%s','%s','%s','%s')" % (party\_name,established\_year,secretary\_name,phone,website,description,emblem\_pic)

insert(q)

flash('Success')

if 'update\_party' in request.form:

party\_id=request.form['party\_id']

party\_name=request.form['party\_name']

established\_year=request.form['established\_year']

secretary\_name=request.form['secretary\_name']

phone=request.form['phone']

website=request.form['website']

description=request.form['description']

emblem\_pic=request.form['emblem\_pic']

q="update party set party\_name='%s',established\_year='%s',secretary\_name='%s',phone='%s',website='%s',description='%s',emblem\_pic='%s' WHERE party\_id='%s' " % (party\_name,established\_year,secretary\_name,phone,website,description,emblem\_pic,party\_id)

update(q)

flash('Success')

if action=='update':

id = request.args['id']

q = "select \* from party where party\_id='%s'" % (id)

update\_data = select(q)

data['update\_data']=update\_data

if action=='remove':

q = "delete from party where party\_id='%s'" % (id)

delete(q)

flash('Deleted')

q="select \* from party "

party = select(q)

data['party']=party

return render\_template('admin\_manage\_parties.html',data=data)