

BACK-END WEB DEVELOPMENT WITH PYTHON AND DJANGO

**SUBMITTED
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This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering.

Supervised By

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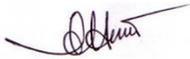


**DAFFODIL INTERNATIONAL UNIVERSITY
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APPROVAL

This Project/internship titled **BACK-END WEB DEVELOPMENT WITH PYTHON AND DJANGO**, submitted by Raktim Roy , ID No:172-15-10098 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 08-10-2020.

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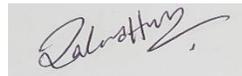
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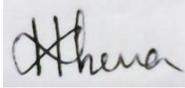
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DECLARATION

I hereby declare that, this internship report is prepared by me, **Raktim Roy**, ID No: 172-15-10098 to the student of Computer Science and Engineering department, Daffodil International University. Under the supervision of Umama Dewan, **Lecturer, Department of CSE**, Daffodil International University.

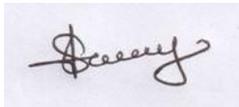
I also declare that neither this internship report nor any part of this internship report has been submitted elsewhere for award of any Degree or Diploma. I also declare that, I collect information from Skill Jobs, Professional Training Center and Job Placement Recruitment Solution Based Institute, Books and Internet.

Supervised by:



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I really grateful and wish profound indebtedness to **Umama Dewan, Lecturer**, Department of CSE Daffodil International University, Dhaka.

His endless patience, guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice,reading many inferior Draft and correcting them at all stage have made it possible to complete this internship.

I would like to express heartiest gratitude to **Dr. Syed Akhter Hossain, Professor and Head, Department of CSE**, for his kind help to finish my internship and also to other faculty member and the staff of CSE department of Daffodil International University.

Finally , I must acknowledge with due respect the constant support and pastents of my parents.

ABSTRACT

I create a web base application using some programming language. I have two project. One is Student Database Management System and other is ForwordIT Digital Marketing. Using Student Database Management every information of a student can save, Update ,Delete. And using ForwordIT Digital Marketing a customer can order to make website, Social Media Making, Search Engine Making, Digital marketing etc. This both software making by HTML,CSS,BOOTSTRAP,PYTHON,DJANGO. Every student and customer can easily handle this software. Those are very helpful for our daily life. For this reason I choose subject of my report "Student Database Management System" and ForwordIT Digital Marketing.

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Chapter 1

INTRODUCTION

1.1 Introduction

Python was created by **GUIDO VAN ROSSUM** in 1991. It also a easy language. Python has since advanced into a effective server-side markup dialect with syntax. Python language is specially make for web development. In an HTML page we can set Python coding that will be ran when this page is visited. The HTML create this web page static text and picture. Using Python easily to access database, access disk, networking and manipulation text.

Finally , Python is simple. If anybody know C he can learning Python easily . Python also adds features to solve common problems that developers frequently experience when programming for the web.

1.2 Objective

The goal of the web development is to handle the entire work of a website . Using my software to manage student information during admission and examination. It save unnecessary page. It use database to record all data of a student.

And other software using a customer can order to make web page, make social media , make database etc. It is a digital marketing platform.

1.2.1 To reduce time

The software system will take less time in entering the information. Less assets will be utilized as no huge registers, records, records, pens; correctors will be required or used.

1.2.2 To save the work load

Using this software one employ can enter all data of a student in the database. Everything will be done consequently fair by clicking few buttons. There will be no need to keep up any records or registers.

1.3 Motivation

Website making is easy to understand. I take internship, I am primary level learn web designing. It's a easy language so it learn easily and easily to make a website. My project is related of student .Its technology is so intrigued and beguiling and easy to make a stretch out by totally Python, html, css, mysql.

1.5 Report Layout

In Chapter 1

I mention about Introduction, Objective, To reduce time, To save working load,Motivation.

In Chapter 2

I mention About Organization, Product and Market Situation, Target, Organizational Structure.

In Chapter 3

I mention Tasks, Projects and Activities.

In Chapter 4

I mention Problems and Solutions, Challenge.

In Chapter 5

I mention about Discussion, Function, Next Job Market.

Chapter 2

About Organization

This Organization has been started from jobsbd.com, it is the first online job portal in Bangladesh and after it's name change to Skill Jobs. Basically to specific the center of the Organizations and to concentrate more on its benefit designs. The thought was to form our position more interesting and particular whereas we work! Skill. jobs has begun its operation at the same time in Bangladesh and Malaysia and before long it's progressing to begin same in Australia UK and UAE.

2.2 Product and Market Situation:

Skill. jobs also offers different IT administrations and proficient preparing services. Skill. jobs is the leading across the country work entry in Bangladesh Pleased of yourself as a Seller. This Organization is the most skilled companies within the field of ICT where their essential trade ethic is long-term connections with near customers .These are given underneath:

2.2.1 IT Service

1. Professional Training
2. Forum Blog
3. Apprenticeship
4. International Placement
5. E-Marketing

2.2.2 Professional Training Service

1. Big Data analysis
 2. System Administration
 3. Real-Life Web application
 4. CCNA
 5. Data Science and Machine Learning
 6. Deep Learning AI
 7. Video Editing
- etc.

2.3 Target

Getting employed isn't just about having a single work expertise. It requires you to urge included with a lot of individuals, analyzing basic circumstances, fathoming issues, knowing and acting concurring to the correct behavior, etc. So to gotten to be employable, one should address a set of aptitudes that we know as employability abilities. Employability test will assist you to distinguish the abilities that require change and grow as an employable candidate that the employers seek today. No matter you're a work searcher or as of now working for an organization, an employability test will assist you to induce the correct headings that you just ought to get career success

2.4 Company's Structure:



Chapter 3

Tasks, Project and Activities

3.1 Regular Tasks and Activities

Another orderly and necessity is ought to construct a venture we know that , we will blend all dialect like HTML,C++, Python, Java Script, and other language. The net server mix the outcome of the interpreted and run Python coding , It can be any type of information, counting pictures, with the created web page. Python coding can be utilized to actualize standalone graphical applications.

My project making by:

HTML

CSS2

Bootstrap

JavaScript

JQuery

Pythpn

Django

OOP

MySQL

3.1.1 They at first teaching me about this contain :

- What is Python?
- Benefits of Python.
- Basic concept of Data science.
- Conditional Operator(if /elif/for)
- Class
- Lists
- Tuples
- Methods
- File Handling

- Function
- Return Statement
- Modules
- Object Oriented Programming
- Django
- MySQL

3.1.2 Basic python codes:

Find Election Year

```
1 electionName = 'AAA', 'BBB', 'CCC', 'DDD', 'EEE'
2 electionYear = '2001', '2005', '2010', '2015', '2018'
3 countryStatus = "Poor", "Developping", "Developped"
4 crimeStatus = "Low", "Midum", "Max"
5
6 for year in electionYear:
7     year = input('Enter A Year :')
8     if year == '2001':
9         print('Win-BBB')
10        print('Country Status :',countryStatus[1])
11        print('Crime Status :',crimeStatus[0])
12        break
13    elif year == '2005':
14        print('Win-AAA')
15        print('Country Status :',countryStatus[0])
16        print('Crime Status :',crimeStatus[2])
17        break
18    elif year == '2010':
19        print('Win-DDD')
20        print('Country Status :',countryStatus[2])
21        print('Crime Status :',crimeStatus[1])
22        break
```

```

elif year == '2010':
    print('Win-DDD')
    print('Country Status :',countryStatus[2])
    print('Crime Status :',crimeStatus[1])
    break
elif year == '2015':
    print('Win-EEE')
    print('Country Status :',countryStatus[0])
    print('Crime Status :',crimeStatus[2])
    break
elif year == '2018':
    print('Win-CCC')
    print('Country Status :',countryStatus[1])
    print('Crime Status :',crimeStatus[0])
    break
else:
    print('Enter Valid Year!')
else:
    print('Thanks for visit....')

```

Output:

```

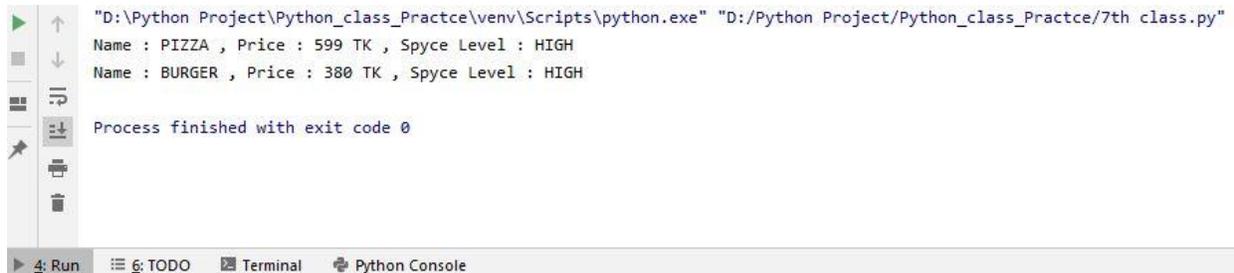
Run: 1st class x
"D:\Python Project\Python_class_Practce\venv\Scripts\python.exe" "D:/Python Project/Python_class_Practce/1st class.py"
Enter A Year :2010
Win-DDD
Country Status : Developed
Crime Status : Midum
Process finished with exit code 0

```

Using Class

```
1 class FoodCard():
2     def __init__(self,name,price,spyce_level):
3         self.f_name = name
4         self.f_price = price
5         self.f_spyce_level = spyce_level
6
7     def show_data(self):
8         print(self.f_name,self.f_price,self.f_spyce_level)
9
10    pizza = FoodCard('Name : PIZZA ','Price : 599 TK ','Spyce Level : HIGH')
11    pizza.show_data()
12
13    burger = FoodCard('Name : BURGER ','Price : 380 TK ','Spyce Level : HIGH')
14    burger.show_data()
```

Output:



```
"D:\Python Project\Python_class_Practce\venv\Scripts\python.exe" "D:/Python Project/Python_class_Practce/7th class.py"
Name : PIZZA , Price : 599 TK , Spyce Level : HIGH
Name : BURGER , Price : 380 TK , Spyce Level : HIGH
Process finished with exit code 0
```

Def Function:

```
Library.py x
1 def versityData():
2     dept = ['CSE', 'EEE', 'CIVLE', 'ENGLISH', 'MATH']
3     subjectcode = ['cse414', 'cse410', 'cse431', 'cse415', 'EEE321', 'EEE363', 'EEE312', 'EEE352',
4                   'ENG213', 'ENG253', 'ENG263', 'ENG286', 'MAT502', 'MAT530', 'MAT292', 'MAT514', 'MAT598', 'MAT519']
5     university = ['DIU', 'UIU', 'BUTB', 'BRACK', 'ESTRAN']
6     rank = ['1', '2', '3', '4', '5', '6', '7', '8', '9', '10']
7
8     for versity in university:
9         versity = input('Enter versity name : ')
10        if versity == 'DIU':
11            print('university Name is ', versity)
12            print('Rank is ',rank[3])
13            print('Department is ', dept[0])
14            print('Availavle Subject is (in code) ', subjectcode[0],subjectcode[1],subjectcode[2],subjectcode[3],subjectcode[4],
15                  subjectcode[9],subjectcode[10],subjectcode[15])
16            break
17        elif versity == 'UIU':
18            print('university Name is ', versity)
19            print('Rank is ',rank[2])
20            print('Department is ', dept[3])
21            print('Availavle Subject is (in code) ', subjectcode[8],subjectcode[9],subjectcode[10],subjectcode[11],
22                  subjectcode[13],subjectcode[5],subjectcode[3],subjectcode[2])
23            break
24        elif versity == 'BUTB':
25            print('university Name is ', versity)
26            print('Rank is ',rank[6])
27            print('Department is ', dept[2])
28            print('Availavle Subject is (in code) ', subjectcode[0],subjectcode[1],subjectcode[2],subjectcode[3],subjectcode[6],
29                  subjectcode[9],subjectcode[10],subjectcode[15])
30            break
31        elif versity == 'BRACK':
32            print('university Name is ', versity)
33            print('Rank is ',rank[1])
34            print('Department is ', dept[4])
35            print('Availavle Subject is (in code) ', subjectcode[12],subjectcode[13],subjectcode[14],subjectcode[15],subjectcode[16],
36                  subjectcode[17],subjectcode[9],subjectcode[2])
37            break
38        elif versity == 'ESTRAN':
39            print('university Name is ', versity)
40            print('Rank is ',rank[9])
41            print('Department is ', dept[1])
42            print('Availavle Subject is (in code) ', subjectcode[4],subjectcode[5],subjectcode[6],subjectcode[7],subjectcode[10],subjectcode[11],
43                  subjectcode[12],subjectcode[13],subjectcode[14],subjectcode[15],subjectcode[16],subjectcode[17])
44            break
45        else:
46            print('Enter valid University Name!!')
47    else:
48        print('Thanks for visit...')
49    versityData()
```

Output:

```
Run: Library x
"D:\Python Project\Python_class_Practce\venv\Scripts\python.exe" "D:/Python Project/Python_class_Practce/Library.py"
Enter virsity name : DIU
university Name is DIU
Rank is 4
Department is CSE
Availavle Subject is (in code) cse414 cse410 cse431 cse415 EEE312 ENG253 ENG263 MAT514
Process finished with exit code 0
```

Prime Number

```
Library.py x
1 # taking input from user
2 number = int(input("Enter any number: "))
3
4 if number > 1:
5     for i in range(2, number):
6         if (number % i) == 0:
7             print(number, "is not a prime number")
8             break
9         else:
10            print(number, "is a prime number")
11
12 else:
13     print(number, "is not a prime number")
14
15
```

Output:

```
Run: Library x
"D:\Python Project\Python_class_Practce\venv\Scripts\python.exe" "D:/Python Project/Python_class_Practce/Library.py"
Enter any number: 13
13 is a prime number
Process finished with exit code 0
```

3.1.3 I Complete A full Project . My Project Name is **STUDENT MANAGEMENT SYSTEM.**

Frontend Code:

```
Student_Database_FrontEnd.py × stdDatabase_BackEnd.py ×
1      #FrontEnd
2      from tkinter import*
3      import tkinter.messagebox
4      import stdDatabase_BackEnd
5
6      class student:
7      def __init__(self,root):
8          self.root = root
9          self.root.title("Student Database Management System")
10         self.root.geometry("1350x700+0+0")
11         self.root.config(bg = "cadet blue")
12
13         StdId = StringVar()
14         Firstname = StringVar()
15         Surname = StringVar()
16         DoB = StringVar()
17         Age = StringVar()
18         Gender = StringVar()
19         Address = StringVar()
20         Mobile = StringVar()
```

```

Student_Database_FrontEnd.py × stdDatabase_BackEnd.py ×
22 # =====Function=====
23 def iExit():
24     iExit = tkinter.messagebox.askyesno("Student Database Management System ", "Confir
25     if iExit > 0:
26         root.destroy()
27         return
28
29
30 def clearData():
31     self.txtStdID.delete(0,END)
32     self.txtFna.delete(0,END)
33     self.txtSna.delete(0,END)
34     self.txtDoB.delete(0,END)
35     self.txtAge.delete(0,END)
36     self.txtGender.delete(0,END)
37     self.txtAdr.delete(0,END)
38     self.txtMobile.delete(0,END)
39 #=====Frame=====
40
41

```

```

Student_Database_FrontEnd.py × stdDatabase_BackEnd.py ×
41
42
43 MainFrame = Frame(self.root, bg = "cadet blue")
44 MainFrame.grid()
45
46 TitFrame = Frame(MainFrame, bd=8, padx = 54, bg="Ghost White",relief = RIDGE)
47 TitFrame.pack(side=TOP)
48
49 self.lblTit = Label(TitFrame, font = ('arial',47,'bold'),text = "Student Database Management System",bg = "Ghost White")
50 self.lblTit.grid()
51
52 ButtonFrame = Frame(MainFrame, bd = 10, width = 1350, height = 70, padx = 18, pady = 10, bg = "Ghost White", relief = RIDGE)
53 ButtonFrame.pack(side=BOTTOM)
54
55 DataFrame = Frame(MainFrame, bd = 10, width = 1300, height = 700, padx=20, pady = 20,relief = RIDGE , bg="cadet blue")
56 DataFrame.pack(side=BOTTOM)
57
58 DataFrameLEFT = LabelFrame(DataFrame, bd= 1 , width=1000, height=600, padx=20,relief = RIDGE , bg="Ghost white",
59     font = ('arial',20,'bold'),text = "Student Info \n")
60 DataFrameLEFT.pack(side=LEFT)
61
62 DataFrameRIGHT = LabelFrame(DataFrame, bd= 1, width=450, height=300, padx=31, pady=3, bg="Ghost white",
63     font = ('arial',20,'bold'),text = "Student Details \n")
64 DataFrameRIGHT.pack(side=RIGHT)

```

```

Student_Database_FrontEnd.py × stdDatabase_BackEnd.py ×
65 # =====Lable and Entry Widg=====
66
67 self.lblStdID = Label(DataFrameLEFT,font = ('arial',20,'bold'),text = 'Student ID',padx = 2,pady = 2, bg = "Ghost white")
68 self.lblStdID.grid(row = 0, column = 0, sticky = W)
69 self.lblStdID = Entry(DataFrameLEFT,font = ('arial',20,'bold'),textvariable = StdId, width = 39)
70 self.lblStdID.grid(row=0, column=1)
71
72 self.lblfna = Label(DataFrameLEFT, font=('arial', 20, 'bold'), text='Firstname', padx=2, pady=2,bg="Ghost white")
73 self.lblfna.grid(row=1, column=0, sticky=W)
74 self.lblfna = Entry(DataFrameLEFT, font=('arial', 20, 'bold'), textvariable=Firstname, width=39)
75 self.lblfna.grid(row=1, column=1)
76
77 self.lblsna = Label(DataFrameLEFT, font=('arial', 20, 'bold'), text='Surname', padx=2, pady=2, bg="Ghost white")
78 self.lblsna.grid(row=2, column=0, sticky=W)
79 self.lblsna = Entry(DataFrameLEFT, font=('arial', 20, 'bold'), textvariable=Surname, width=39)
80 self.lblsna.grid(row=2, column=1)
81
82 self.lblDob = Label(DataFrameLEFT, font=('arial', 20, 'bold'), text='Date of Birth ', padx=2, pady=2,bg="Ghost white")
83 self.lblDob.grid(row=3, column=0, sticky=W)
84 self.lblDob = Entry(DataFrameLEFT, font=('arial', 20, 'bold'), textvariable=DoB, width=39)
85 self.lblDob.grid(row=3, column=1)
86
87 self.lblAge = Label(DataFrameLEFT, font=('arial', 20, 'bold'), text='Age', padx=2, pady=2,bg="Ghost white")
88 self.lblAge.grid(row=4, column=0, sticky=W)

```

```

Student_Database_FrontEnd.py × stdDatabase_BackEnd.py ×
104 self.lblMobile = Entry(DataFrameLEFT, font=('arial', 20, 'bold'), textvariable=Mobile, width=39)
105 self.lblMobile.grid(row=7, column=1)
106 # =====List and Scroll Bar=====
107
108 scrollbar = Scrollbar(DataFrameRIGHT)
109 scrollbar.grid(row = 0, column = 1, sticky='ns')
110
111 studentlist = Listbox(DataFrameRIGHT , width=41, height=16, font = ('arial', 12, 'bold'), yscrollcommand = scrollbar)
112 studentlist.grid(row = 0, column = 0,padx = 8)
113 scrollbar.config(command = studentlist.yview)
114
115 # =====Button=====
116
117 self.btnAddData = Button(ButtonFrame, text='ADD', font=('arial', 20, 'bold'),height = 1 ,width = 10, bd = 4 )
118 self.btnAddData.grid(row=0, column = 0)
119 self.btnAddData = Button(ButtonFrame, text='Display', font=('arial', 20, 'bold'), height=1, width=10, bd=4)
120 self.btnAddData.grid(row=0, column = 1)
121 self.btnAddData = Button(ButtonFrame, text='Clear', font=('arial', 20, 'bold'), height=1, width=10, bd=4,command =
122 self.btnAddData.grid(row=0, column = 2)
123 self.btnAddData = Button(ButtonFrame, text='Delete', font=('arial', 20, 'bold'), height=1, width=10, bd=4)
124 self.btnAddData.grid(row=0, column = 3)
125 self.btnAddData = Button(ButtonFrame, text='Search', font=('arial', 20, 'bold'), height=1, width=10, bd=4)
126 self.btnAddData.grid(row=0, column = 4)
127 self.btnAddData = Button(ButtonFrame, text='Update', font=('arial', 20, 'bold'), height=1, width=10, bd=4)
128 self.btnAddData.grid(row=0, column = 5)

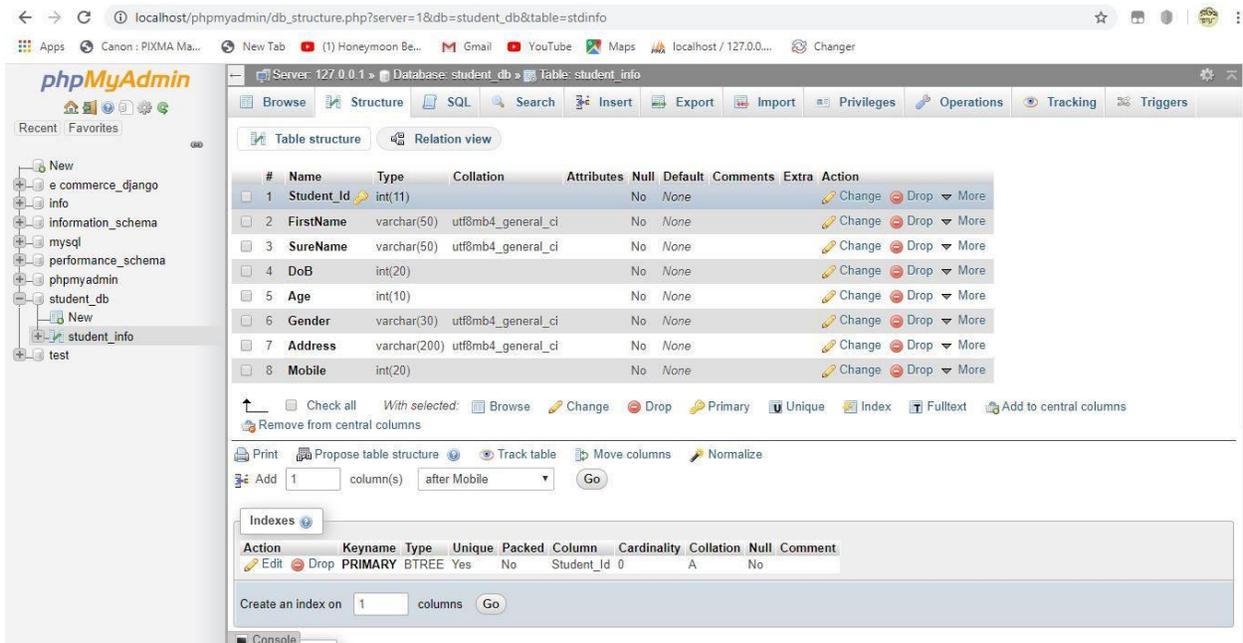
```

Backend code:

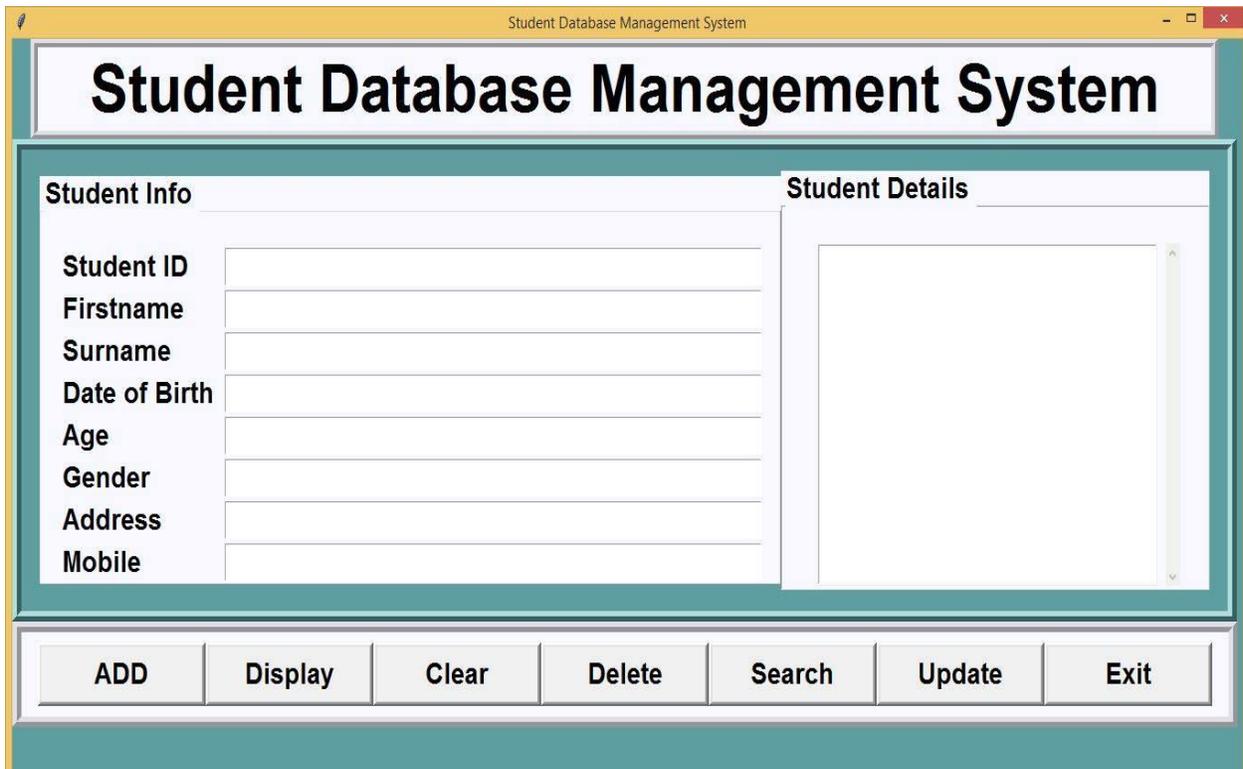
```
Student_Database_FrontEnd.py x stdDatabase_BackEnd.py x
1 import sqlite3
2
3 def studentData(cur=None):
4     con = sqlite3.connect('student.db')
5     cur.execute("CREATE TABLE IF NOT EXISTS student (id INTEGER PRIMARY KEY, StdID text,Firstname text,surname text,DoB text,\
6     Age text,Address text,Mobile text)")
7     con.commit()
8     con.close()
9
10 def addStdRec(StdID ,Firstname,surname,DoB,Age,Address,Mobile):
11     con = sqlite3.connect("student.db")
12     cur = con.cursor()
13     cur.execute("INSERT INTO student VALUES (NULL, ?,?,?, ?, ?, ?, ?)",StdID ,Firstname,surname,DoB,Age,Address,Mobile)
14     con.commit()
15     con.close()
16
17
18 def viewData():
19     con = sqlite3.connect("student.db")
20     cur = con.cursor()
21     cur.execute("SELECT * FROM student")
22     row = cur.fetchall()
23     con.close()
```

```
Student_Database_FrontEnd.py x stdDatabase_BackEnd.py x
22     row = cur.fetchall()
23     con.close()
24     return row
25
26 def deleteRec(id):
27     con = sqlite3.connect("student.db")
28     cur = con.cursor()
29     cur.execute("SELECT * FROM student")
30     con.commit()
31     con.close()
32
33 def searchData(StdID='',Firstname='',Surname='',DoB='',Age='',Gender='',Address='',Mobile=''):
34     con = sqlite3.connect("student.db")
35     cur = con.cursor()
36     cur.execute("SELECT * FROM student WHERE StdID =? OR Firstname =? OR Surname =? OR DoB =? OR Age =? OR Gender =
37     (StdID,Firstname,Surname,DoB,Age,Gender,Address,Mobile))
38     row = cur.fetchall()
39     con.close()
40     return row
41
42 studentData()
```

Database:



Output:



3.2 Our organizational Group Project is a full Website. It's name is ForwordIT Digital. This website publish advertisement to Digital Marketing .

Code:

```
templates > <> base.html > ...
1  | <!doctype html>
2  | <html lang="en">
3  | <head>
4  |     <meta charset="UTF-8">
5  |     <meta name="viewport"
6  |         content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">
7  |     <meta http-equiv="X-UA-Compatible" content="ie=edge">
8  |     <title>Forward IT-IT for advertisement</title>
9  |     {% include 'includes/stylesheets.html' %}
10 | </head>
11 | <body>
12 |
13 | <div class="loader_bg">
14 |     <div class="loader"></div>
15 | </div>
16 |
17 | <nav class="navbar navbar-custom navbar-fixed-top">
18 |     <div class="container">
19 |         {% load static %}
20 |         
21 |
22 |         <div class="navbar-header">
23 |             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-main-collapse">
24 |                 <i class="fa fa-bars"></i>
25 |             </button>
26 |             <a class="navbar-brand page-scroll" href="/"> </a>
27 |         </div>
28 |         <div class="collapse navbar-collapse navbar-right navbar-main-collapse">
29 |             <ul class="nav navbar-nav">
30 |                 <li class="active"><a class="smooth-menu" href="#home">Home</a></li>
31 |
32 |
33 |
```

```

templates > <> base.html > ..
1  <!doctype html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport"
6          content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scal
7      <meta http-equiv="X-UA-Compatible" content="ie=edge">
8      <title>Forward IT-II for advertisement</title>
9      {% include 'includes/stylesheets.html' %}
10 </head>
11 <body>
12
13 <div class="loader_bg">
14     <div class="loader"></div>
15 </div>
16
17 <nav class="navbar navbar-custom navbar-fixed-top">
18     <div class="container">
19         {% load static %}
20         
21
22         <div class="navbar-header">
23             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-main-co
24                 <i class="fa fa-bars"></i>
25             </button>
26             <a class="navbar-brand page-scroll" href="/" ></a>
27         </div>
28         <div class="collapse navbar-collapse navbar-right navbar-main-collapse">
29             <ul class="nav navbar-nav">
30                 <li class="active"><a class="smooth-menu" href="#home">Home</a></li>
31
32
33

```

```

core > views.py > ...
1  from django.shortcuts import render
2  from django.views.generic import TemplateView
3  from .models import *
4  from django.shortcuts import render
5  from core.forms import UserForm, UserProfileInfoForm
6  from django.contrib.auth import authenticate, login, logout
7  from django.http import HttpResponseRedirect, HttpResponse
8  from django.urls import reverse
9  from django.contrib.auth.decorators import login_required
10
11
12  class HomeTemplateView(TemplateView):
13      template_name = 'home.html'
14
15      # override get context data method
16      def get_context_data(self, **kwargs):
17          context = super().get_context_data(**kwargs) # first, call super get context data
18          context['about'] = About.objects.first()
19          context['services'] = reversed(Service.objects.all())
20          context['works'] = RecentWork.objects.all()
21          context['clients'] = Client.objects.all()
22          context['contact'] = Contact.objects.first()
23          context['contactT'] = contactTitle.objects.first()
24          context['aboutT'] = aboutTitle.objects.first()
25          context['clientsT'] = testimonialTitle.objects.first()
26          context['servicesT'] = serviceTitle.objects.first()
27          context['portfolioT'] = portfolioTitle.objects.first()
28          context['addressT'] = addressTitle.objects.first()
29          context['footer'] = FooterText.objects.first()
30          context['slideImage'] = SlideImage.objects.first()
31          return context
32

```

```
condition.html  home.html X  base.html  login.html  admin.py  forms.py  models.py  urls.py
templates > home.html > ...
1  {% extends 'base.html' %}
2
3  {% block content %}
4
5      <!-- <div id="home" class="banner-area section-padding">
6          <div class="bg-overlay black"></div>
7          <div class="containter">
8              <div class="row">
9                  <div class="col-md-12">
10                     <div class="welcome-text">
11                         <div class="name-area wow fadeInDown" data-wow-delay="0.2s">Hello, my name is Touhid</di
12                         <h1 class="wow fadeInDown" data-wow-delay="0.4s">Create Innovative application with us</
13                         <a href="#about" class="my-btn-1 wow fadeInDown" data-wow-delay="0.6s">Learn more</a>
14                         <a href="#contact" class="my-btn-2 wow fadeInDown" data-wow-delay="0.8s">Get in touch</a
15                     </div>
16                 </div>
17             </div>
18         </div>
19     </div-->
20
21
22
23     <link href="//maxcdn.bootstrapcdn.com/bootstrap/3.3.0/css/bootstrap.min.css" rel="stylesheet" id="bootstrap-css"
24     <script src="//maxcdn.bootstrapcdn.com/bootstrap/3.3.0/js/bootstrap.min.js"></script>
25     <script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
26     <link href = "https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.5.2/animate.css" rel="stylesheet" type="text
27
28     {% endblock %}
29
```

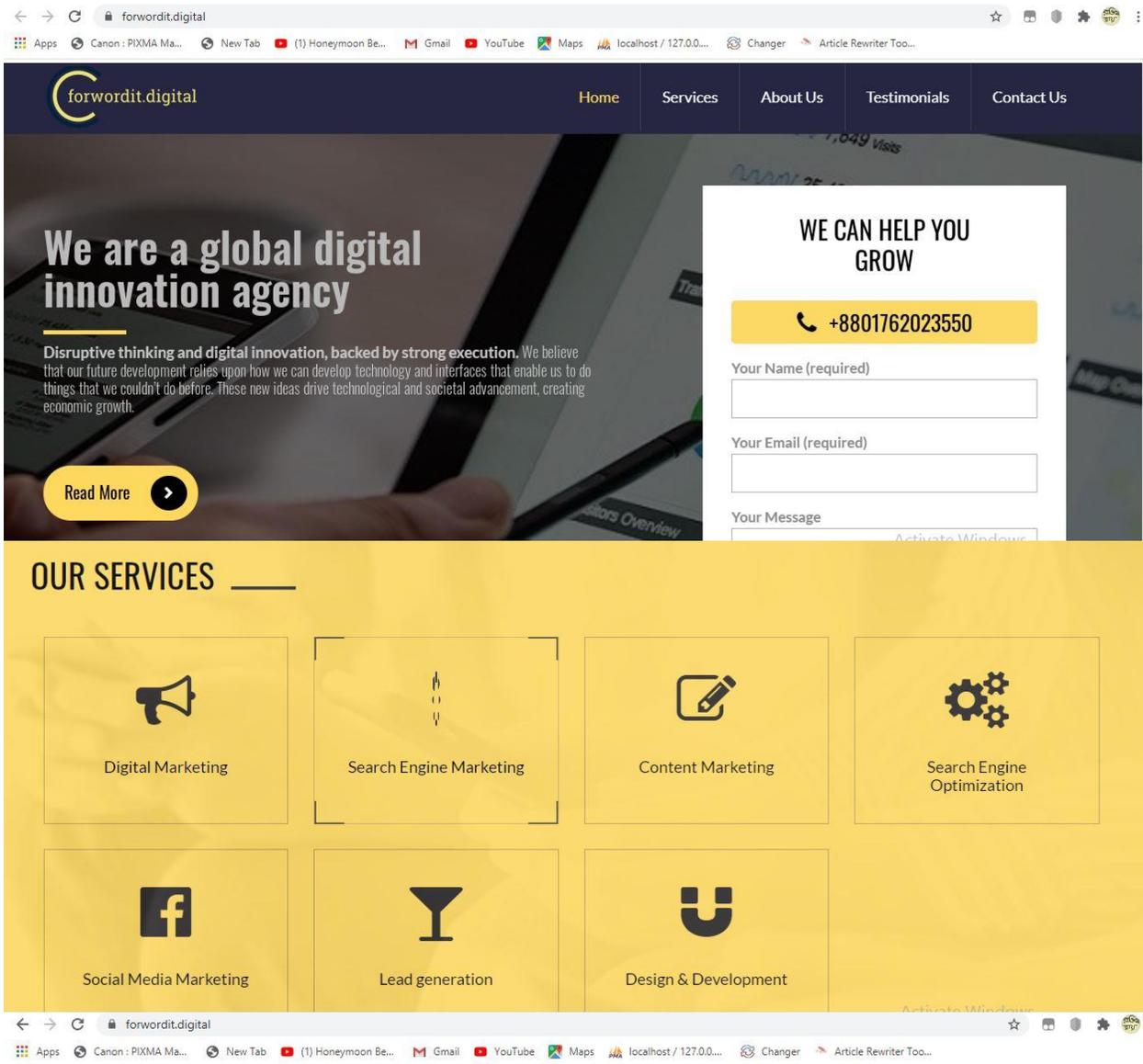
```

1 description = models.TextField()
2 image = models.ImageField(upload_to="about")
3
4 class Meta:
5     verbose_name = "About me"
6     verbose_name_plural = "About me"
7
8 def __str__(self):
9     return "About me"
10
11
12
13 # Service Model
14 class Service(models.Model):
15     name = models.CharField(max_length=100, verbose_name="Service name")
16     #description = models.TextField(verbose_name="About service")
17     area = models.TextField(verbose_name="Working Area")
18     Charge = models.CharField(max_length=100, verbose_name="Charges")
19     image = models.ImageField(upload_to="services")
20 def __str__(self):
21     return self.name
22
23 def area_as_list(self):
24     return self.area.split(',')
25
26
27
28 # Recent Work Model
29 class RecentWork(models.Model):
30     title = models.CharField(max_length=100, verbose_name="Work title")
31     image = models.ImageField(upload_to="works")

```

>>> Run this file

\$ Bash console here

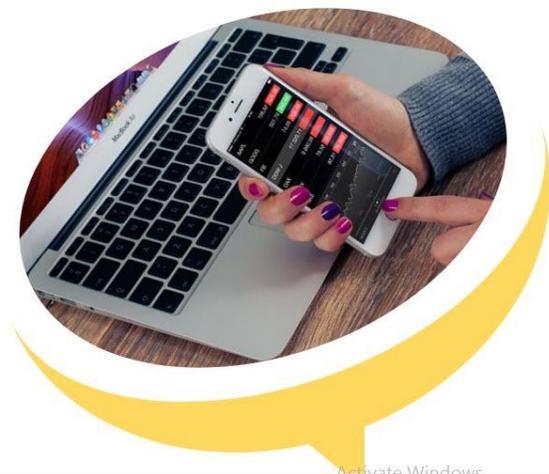


ABOUT US

We are a global digital innovation agency

One of the uprising digital marketing agency is forwordit.digital. Our main goal is to develop mobile applications, Web Design & Development Software development, and Digital Marketing. In a very short time they've been able to draw the attention of the local market as well as international market.

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Chapter 4

4.1 Problem and Solution

In web development there are many problem cause it make many type of Markup Language , Strategies , Object, Modifiers, and Numerous ways to form coding or project. And this is not as it were issues in Web advancement have many solutions which can be effectively and quickly.

4.1.1 Problem

There are many issues to make when I work with css ,Bootstrap, jQuery. Those are simple but in some cases it is not match what I want, and put in proper position . Web development isn't a simple work .It take too much of imagination, uniqueness and conceptualizing session up with to come up with a good web designing. A developer can told around the challenge they go by on normal premise. Websites sync with many app together with its capacity to be responsive are few components that are considered by a developer . This make web design a challenging part.

Client's regularly experience problems in there site and they told there developer to resolve this problem , when the developer check the website they faces again many problem in this website. Sometimes many kinds of issues are created by old server. Many time some problem create by customer. Time went through identifying the main point issue implies a late in handling the issue itself.

4.1.2 Solution

Truly web designing is too better and extreme attracted and difficult for me, through the internship preparing I might know and get it numerous goals with intrigued as on the off chance that was difficult after learn I can get it web improvement is too interested at that point another dialect. I did arrangement of css and other issue in my preparing period. Clean code diminishes startling mistakes, which can influence page stack. Computerized site checking arrangements frequently permit the engineers to see their clients websites in genuine time and to set alarms to inform them when potential problem start to come out. It not only for does permit the designers to recognize a issue some time recently the client does , in more cases it moreover gives them the Chance to settle it some time recently the problem has any affect on the customer's trade.

4.3 Challenge

In the web design there are many kinds of challenge are faces . They are:

- 1.Syntax Errors
 - 2.Exceptions
 - 3.Handling Exceptions
 - 4.Raising Exception
 - 5.User define Exception
- etc.

Chapter 5

Conclusion and Future Career

5.1 Discussion

My report is create for website development project. My report's targeted is to give a basic concept of website literature and it also discuss the main part of the method which will be use in the project .In this report it try to look at many problem that create when building a webpage . This software are not normal software artifacts. Acing the fundamental program aptitudes and apparatuses to construct an online site does not ensure it's success. for this cause , taking after the direction and the counsel of my overseeing teacher, this reports centers on more other challenges that come up through the improvement handle, like performing site assessment , conducting market investigate and selecting the proper commerce show for the site proposition. This is more important part that will confirm the final IT work place in website, this software will be develop for client requirement. Next time through research and hard working I will add more function in my software and it will be submit in next stage of the software. Moreover, assist inquire about will be conducted to spot the solid focuses of different procedures and legitimize the choice that will be at last made.

Finally, I try to gather more experience from experienced web designer who have work on the same project.

5.5.2 Conclusion

In this conclusion , I said that this internship was a extraordinary experience. Thanks to this venture, I procured more profound information concerning my specialized aptitudes but I moreover by and by profited. As of now Python pages are a common portion of web design , and other foremost well known dialect for web improvement utilized by designers around the world. If we surf web we are able see many websites they create by Python and MYSQL. I learn to live in a diverse environment from the one I am used to. In fact, I developed more autonomous in work additionally in daily life. I realized that I might do more things than I thought like learning unused things by myself.

5.3 Next Job Market

Job in Information Technology .

Job in a Software Engineer.

Web Designer.

Web Developer.

Front End Programmer

Back End Programmer

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