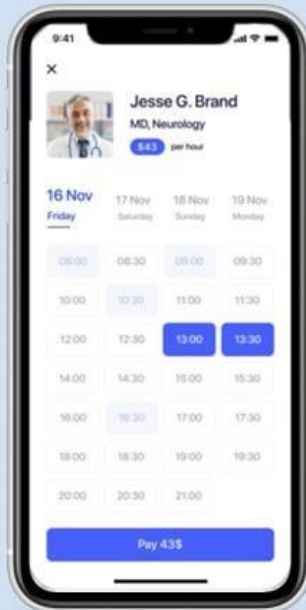# BGC TRUST UNIVERSITY BANGLADESH

CSE - 3109

Telemedicine Application

TEAM NAME : PYTHOHOLIC

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Introduction

the remote diagnosis and treatment of patients by means of telecommunications technology.

Need

- ❑ Globally accessible
- ❑ Central place for all tasks
- ❑ 24 Hour accessible
- ❑ User friendly
- ❑ Secure & Personalized
- ❑ Faster & Better Communication
- ❑ Saving of time & man power

Objectives

The main objective behind construction of this Telemedicine Application is to Minimize hand written work from admission to Discharge of patient and Final Billing. It helps you to minimize your repeated works and take care of the complete functionality of your hospital. It is huge time saver and really facilitates proper communication among the management, staff and the patient parties. Daily collection report.

Tools used

- ❑ Front end : HTML, CSS, Bootstrap4, Javascript etc.
- ❑ Back end : Python
- ❑ Database : MongoDB, Sqlite3
- ❑ Framework : Flask

Requirements

- ❑ Interpreter : Python 3.7
- ❑ Code Editor : Pycharm/Visual Studio
- ❑ OS : Windows xp atleast
- ❑ Browser : Chrome/Firefox/Opera etc.

Newly Added Features

❑ Appointment form view code

```
186     @app.route('/AppointmentDetails')
187     @login_required
188   ⊟def AppointmentDetails():
189         con = sqlite3.connect("Appointment.db")
190         con.row_factory = sqlite3.Row
191         cur = con.cursor()
192         cur.execute("select * from Appointment")
193         rows = cur.fetchall()
194       ⊟    return render_template("AppointmentDetails.html", rows=rows, )
```

Newly Added Features

❑ Appointment form view page

📅Appointment

Appointment Details

Go Back to home

Patient Name	Doctor's Name	Reason	Contact	Appointment Schedule
Patient.X	Dr.A	Covid Guideline	+8801623831121	2021-01-10T10:00
Patient.Y	Dr.B	Physical Medicine	+8801845024382	2021-01-12T20:00

Newly Added Features

❏ Chatbot more question answer data set

```
1   Hi|hi|Can i get information about doctors|Hello|hello|Hey|hey|Hey there|hey there
2   Thank you for contacting TeleHealth. Unfortunately we are experiencing higher than normal volumes at this time. If you are in need of immediate
     assistance, please contact customer service at (888)632-2738 and a Health Service Specialist will further assist you. We apologize for any
    inconvenience this may have caused you.
3   Thanks|thanks|Thank you|thank you|Thank you very much|Thank You|thank you
4   ok thanks
```

Newly Added Features

❑ Chatbot more question answer code

```
301     @app.route('/ChatBot')
302     def ChatBot():
303         return render_template('ChatBot.html')
304     @app.route('/process',methods=['POST'])
305     def process():
306         user_input=request.form['user_input']
307         bot_response=bot.get_response(user_input)
308         bot_response=str(bot_response)
309         print("Friend: "+bot_response)
310         return render_template('ChatBot.html',user_input=user_input,
311                             bot_response=bot_response
312     )
```

Newly Added Features

❑ Chatbot more question answer page

Home

> You : hi

> TeleHealth : Thank you for contacting TeleHealth. Unfortunately we are experiencing higher than normal volumes at this time. If you are in need of immediate assistance, please contact customer service at (888)632-2738 and a Health Service Specialist will further assist you. We apologize for any inconvenience this may have caused you.

Please type your query

Send

Newly Added Features

❑ Chatbot more question answer page

Home

You : thank you

TeleHealth : ok thanks

Please type your query

Send

Future Enhancement

- ❑ Online fees payment
- ❑ Event listing
- ❑ Discussion forum
- ❑ Report handling
- ❑ Emergency service
- ❑ 24x7 non-stop Treatment service system
- ❑ Faster browsing
- ❑ Error handling

END

Thanks For Being With Us