```python
from distutils import command
from tkinter import *
from tkinter import ttk
from PIL import Image,ImageTk
import os
import pickle
import mysql.connector  as sql
from tkinter import messagebox
from datetime import date
from datetime import time
from datetime import *
import requests
from bs4 import BeautifulSoup
import time
import user_inter
import csv
import course_screen

def regist_depart():
    def load_data():
        f=open("Credentials.csv","r")
        s=csv.reader(f,delimiter="-")
        d=[]
        for i in s:
            d.append(i)
        a=d[::-1]
        return (a[0])

    def back():
        root.destroy()

    def click_clear_button():
        department_code_entry.delete(0, END)
        department_name_entry.delete(0, END)

    def validation():
        """this will validate if the department code and name of entry fields are already in database table named
        department or not if return True, error message is thrown displaying department code/name already exists """
        try:
            #obj_section_database = Model_class.department_registration.GetDatabase('use cms;')
            #db_connection.create(obj_section_database.get_database())
            a=load_data()
            host=a[0]
            username = a[2]
            password = a[3]
            port=a[1]

            spec=sql.connect(host=host,user=username,password=password,port=port,database="sms")
            mycur=spec.cursor()
            query = "select * from department;"
            mycur.execute(query)
            data = mycur.fetchall()
            # print(data)

            code_list = []
            name_list = []

            for values in data:
                code_data_list = values[1]
                code_list.append(code_data_list)
```

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61                 name_data_list = values[2]
62                 name_list.append(name_data_list)
63                 # print(code_list)
64                 print(name_list)
65 
66         except BaseException as msg:
67             print(msg)
68 
69         if department_code_entry.get() == "" or department_name_entry.get() == "":
70             messagebox.showwarning("Warning", "All Fields are Required\n Please fill all
   required fields")
71 
72         elif department_code_entry.get() in code_list:
73             messagebox.showerror("Already Exists", f"{department_code_entry.get()} Department
   code Already Exists")
74             # print(department_code_entry.get())
75         elif department_name_entry.get() in name_list:
76             messagebox.showerror("Already Exists", f"{department_name_entry.get()} Department
   name Already Exists")
77 
78 
79 
80         else:
81             click_submit()
82 
83     def click_submit():
84         """initialize when click submit button, which will take data from entry box
85         and insert those data into student table after successful validation of those data"""
86         try:
87             #obj_department_database = Model_class.department_registration.GetDatabase('use
   cms;')
88             #db_connection.create(obj_department_database.get_database())
89             a=load_data()
90             host=a[0]
91             username = a[2]
92             password = a[3]
93             port=a[1]
94 
95             spec=sql.connect(host=host,user=username,password=password,port=port,database="sms
   ")
96             mycur=spec.cursor()
97 
98             #obj_department_database = Model_class.department_registration.
   DepartmentRegistration(
99                 #department_code_entry.get(), department_name_entry.get(), reg_date)
100 
101             query = f"insert into department (department_code,department_name,reg_date) values
     ('{department_code_entry.get()}','{department_name_entry.get()}','{reg_date}');"
102             mycur.execute(query)
103             spec.commit()
104             #values = (obj_department_database.get_code(), obj_department_database.get_name(),
105                       #obj_department_database.get_reg_date())
106             # print(values)
107             #db_connection.insert(query, values)
108             # print(values)
109             messagebox.showinfo("Success", f"Department added Successfully\n Section code={
   department_code_entry.get()},\n "
110                                             f"Section name={department_name_entry.get()}")
111 
112         except BaseException as msg:
113             print(msg)
114             messagebox.showerror("Error", "There is some error Submitting Credentials ")
115 
```

```
116
117
118
119     root = Toplevel()
120     root.title('DEPARTMENT REGISTRATION FORM - COLLEGE MANAGEMENT SYSTEM')
121     root.geometry('1067x600')
122     root.config(bg="#f29844")
123     root.resizable(False,False)
124
125     # ======================Backend connection=============
126     #db_connection = Backend.connection.DatabaseConnection()
127
128     # creating frame for Register
129     # img = img
130     # dummylabel = Label(root, image=img)
131     # dummylabel.place(x=30, y=30)
132
133     reg_frame = Frame(root, bg="#ffffff", width=1000, height=560)
134     reg_frame.place(x=30, y=30)
135
136
137
138
139     heading = Label(reg_frame, text="Department Registration Form", font=('yu gothic ui', 20,
    "bold"), bg="white",
140                             fg='black',
141                             bd=5,
142                             relief=FLAT)
143     heading.place(x=200, y=0, width=600)
144     #slider()
145     #heading_color()
146
147     dept_frame = LabelFrame(reg_frame, text="Department Details", bg="white", fg="#4f4e4d",
    height=380,
148                                     width=800, borderwidth=2.4,
149                                     font=("yu gothic ui", 13, "bold"))
150     dept_frame.config(highlightbackground="red")
151     dept_frame.place(x=100, y=90)
152
153     # ============================================================================
154     # ============================Key Bindings====================================
155     # ============================================================================
156
157     #root.bind("<Return>", click_enter_submit)
158
159     # ============================================================================
160     # ============================Department Code label===========================
161     # ============================================================================
162
163     department_code_label = Label(dept_frame, text="Department Code ", bg="white", fg="#4f4e4d
    ",
164                                       font=("yu gothic ui", 13, "bold"))
165     department_code_label.place(x=160, y=80)
166
167     department_code_entry = Entry(root, highlightthickness=0, relief=FLAT, bg="white", fg="#
    6b6a69",
168                                       font=("yu gothic ui semibold", 12))
169     department_code_entry.place(x=450, y=227, width=295)  # trebuchet ms
170
171     department_code_line = Canvas(root, width=295, height=1.5, bg="#bdb9b1",
    highlightthickness=0)
172     department_code_line.place(x=450, y=249)
173
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```
174     # ============================================================================
175     # ============================Department Name=================================
176     # ============================================================================
177 
178     department_name_label = Label(dept_frame, text="Department Name ", bg="white", fg="#4f4e4d
    ",
179                                   font=("yu gothic ui", 13, "bold"))
180     department_name_label.place(x=160, y=140)
181 
182     department_name_entry = Entry(root, highlightthickness=0, relief=FLAT, bg="white", fg="#
    6b6a69",
183                                   font=("yu gothic ui semibold", 12))
184     department_name_entry.place(x=450, y=287, width=295)  # trebuchet ms
185 
186     department_name_line = Canvas(root, width=295, height=1.5, bg="#bdb9b1",
    highlightthickness=0)
187     department_name_line.place(x=450, y=309)
188 
189     reg_date = time.strftime("%Y/%m/%d")
190 
191 
192 
193     # ============================================================================
194     # ============================Register options================================
195     # ============================================================================
196     submit_img = ImageTk.PhotoImage(file='Pics\\submit.png')
197     submit = Button(dept_frame, image=submit_img,
198                             font=("yu gothic ui", 13, "bold"), relief=FLAT, activebackground="
    white"
199                             , borderwidth=0, background="white", cursor="hand2",command=
    validation)
200     submit.image = submit_img
201     submit.place(x=90, y=267)
202 
203     clear_img = ImageTk.PhotoImage(file='Pics\\clear.png')
204     clear_button = Button(dept_frame, image=clear_img,
205                                 font=("yu gothic ui", 13, "bold"), relief=FLAT,
    activebackground="white"
206                                 , borderwidth=0, background="white", cursor="hand2",
207                                 command=click_clear_button)
208     clear_button.image = clear_img
209     clear_button.place(x=250, y=270)
210 
211     back_img = ImageTk.PhotoImage(file='Pics\\back.png')
212     back_button = Button(dept_frame, image=back_img,
213                                 font=("yu gothic ui", 13, "bold"), relief=FLAT,
    activebackground="white"
214                                 , borderwidth=0, background="white", cursor="hand2",command=
    back)
215     back_button.image = back_img
216     back_button.place(x=410, y=270)
217 
218 
219     exit_img = ImageTk.PhotoImage(file='Pics\\exit.png')
220     exit_button = Button(dept_frame, image=exit_img,
221                                 font=("yu gothic ui", 13, "bold"), relief=FLAT,
    activebackground="white"
222                                 , borderwidth=0, background="white", cursor="hand2", command=
    exit)
223     exit_button.image = exit_img
224     exit_button.place(x=570, y=270)
225 
226 
```

```
227     #root.mainloop()
228 
229 
230 if __name__ =="__main__":
231     regist_depart()
```