Synopsis Report

On

Capstone Supervisor Allocation Portal

Submitted by:

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In partial fulfillment for the award of the degree of

COMPUTER SCIENCE & ENGINEERING

SCHOOL OF CSE

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, **Dr. Sukhvir Kaur** for providing us with the right guidance and advice at the crucial junctures and for showing me the right way I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

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Introduction -This project is for creating a portal for allocating a supervisor for capstone project using python.

Basic requirements -

Input: Admin enters the Login Id and password.

Process Definition: Checks login Id and Password is valid or not.

Output: Admin can sign in and watch the details entered by students

Modules

User Module:

Input: The user enters their details to create new account.

Process Definition: Checks whether he entered all the details or not.

Output: The user is directed to the next page where he can view all the available data entered by student

Login Module:

For an already existing student/supervisor

New supervisor Module:

Input: The user enters their details to create new account.

Process Definition: Checks whether he entered all the details or not.

Output: The user is directed to the next page where he can view all the available data

Supervisor Module:

Login tab
New user tab

Module Description:

Register Module:

Created by: Soubhagya and Ayush

Here we added the attributes Name, Last Name, Gender, Session. Section, Roll. no, Registration id, Topic, Term, Year, Email Id, and Save Option.

The whole attributes are developed through python GUI. The widgets for the above used are:

- Label
- Entry
- Spin box
- Checkbox
- Button
- Frame

All the information that will fetched through widgets will be stored in the file and later will be utilized after filling all the information and linking on save the user get confirmation from the system and user will be directed back.

Sign module

This module has been Contributed by Navin and Soubhagya

Here, we contain the attribute namely label, entry and button here the mention attribute are developed from python GUI. Here to see the data of enroll student we are using file handling methodology. Here the supervisor can sign in through the ID and password. So this implies integrity to the system and also to the data of the enroll students

View Interface:

This module has been contributed by Navin and Ayush

Here we have attributed Register, Sign in and Exit. To do this we have used python GUI. The widgets used are buttons only.

The user can choose only **One** option:

i.e. Register then Exit

i.e. Log in then Exit

i.e. Exit

They cannot choose two of them simultaneously. When they choose one second will disappear except Exit button.

Additional Feature:

Here we have used the dialogue box and message box module as per the requirement.

Conclusion

Python GUI is amazing way of interacting with user with it's features it is easy to work with it and even for user to understand it. In short it is user friendly. Implicit module played a vital role in accomplished of the project smoothly. Moreover, python is excellent tool for the collection of data from the user. The project even enriched our knowledge and interest for python due to it's huge packages of modules

Reference:

- Tutorial points
- Geeks for Geeks
- Telusko (YouTube channel)
- Log (YouTube channel)
- Timothy john Philip jones Ganoza

Reusability: Our system is reusability system since a segment of source code that can be used again to add new functionalities with slight modification.

Testability: Our system is testability system since it supports different types of testing methods

Software Requirements:

- **OS**: Windows
- **Language**: Python

Used Hardware:

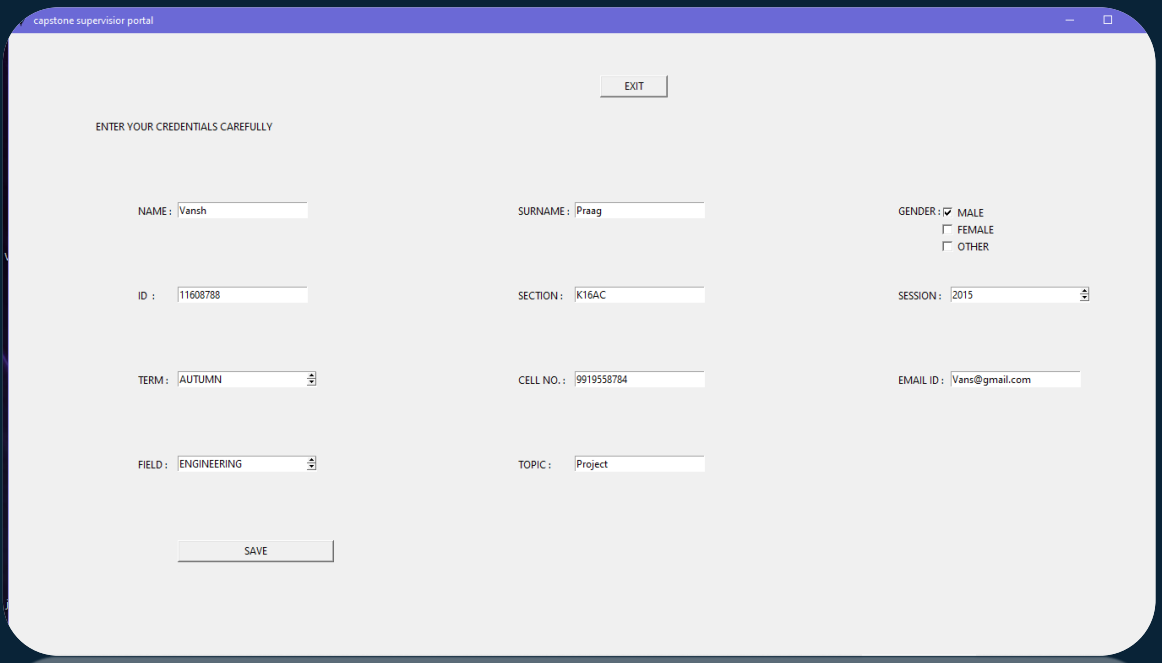
- Processor – Dual Core
- Hard Disk – 250 GB
- Memory – 2GB RAM
- Dell, Lenovo Laptops
- Local Area Network Preferable/ Wi- fi

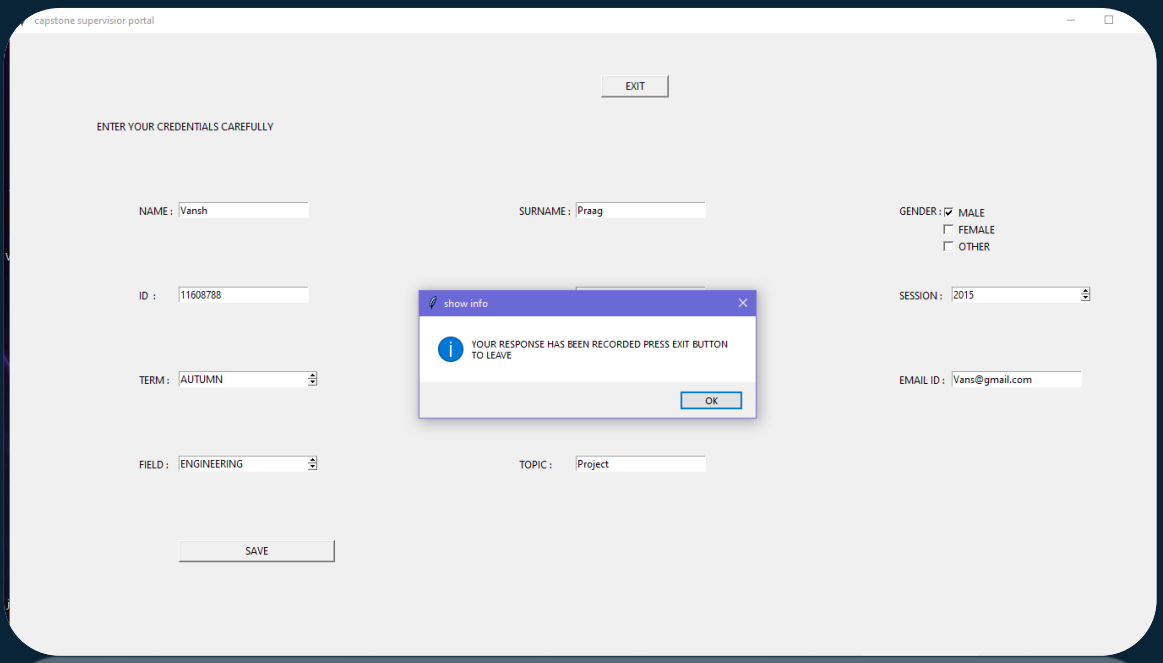
Language used:

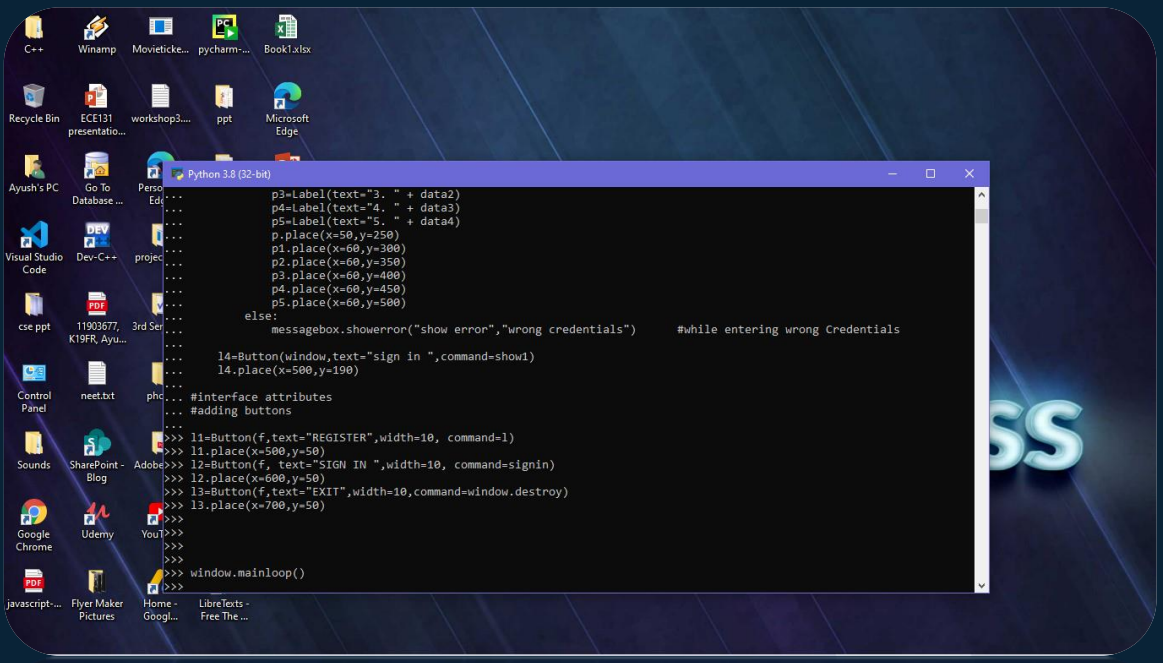
Front End: Python

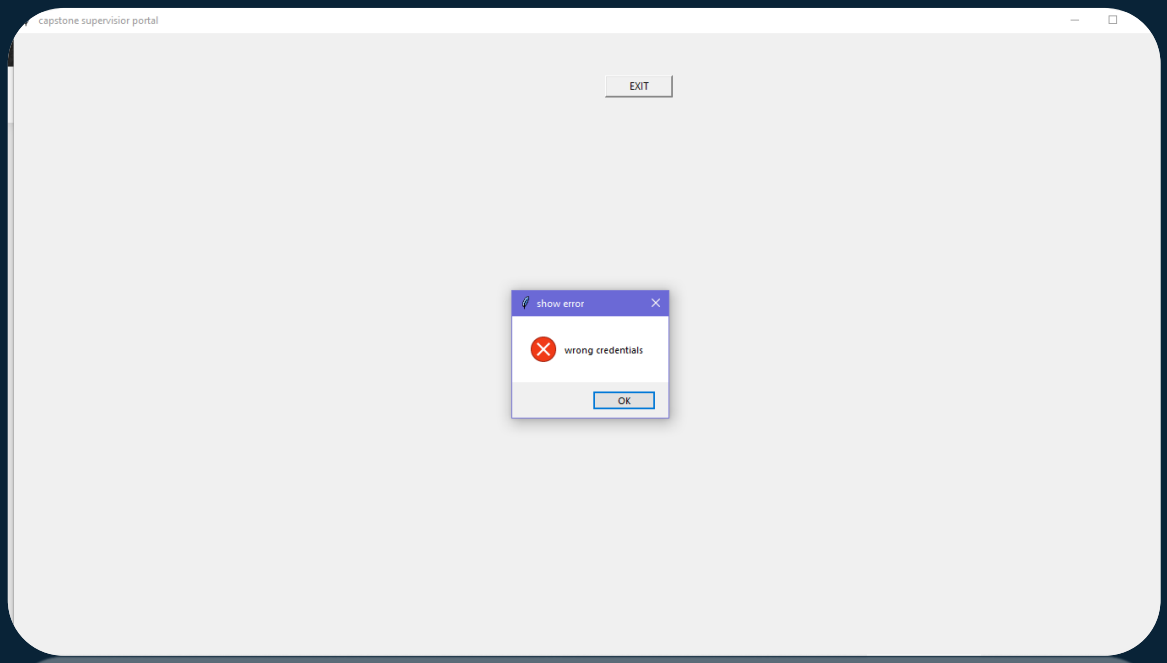
Back End: File Handling

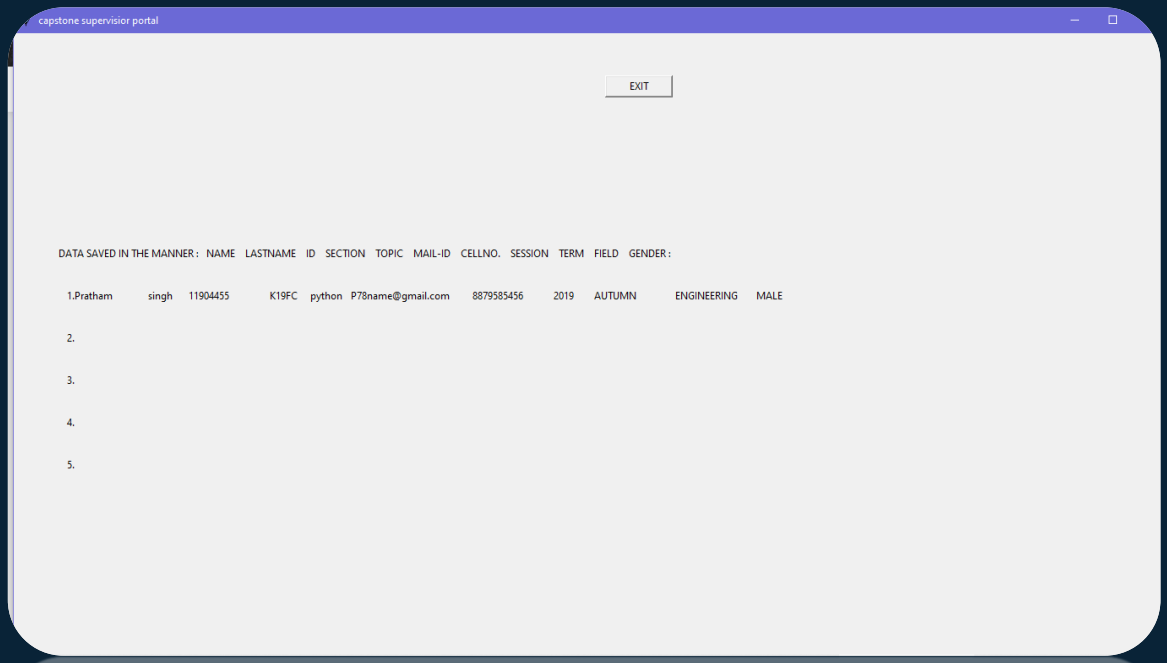

capstone supervisior portal
REGISTER
SIGN IN
EXIT


capstone supervisior portal
EXIT
ENTER YOUR CREDENTIALS CAREFULLY
NAME : Vansh
SURNAME : Praag
GENDER : MALE
FEMALE
OTHER
ID : 11608788
SECTION : K16AC
SESSION : 2015
TERM : AUTUMN
CELL NO. : 9919558784
EMAIL ID : Vans@gmail.com
FIELD : ENGINEERING
TOPIC : Project
SAVE


capstone supervisior portal
EXIT
ENTER YOUR CREDENTIALS CAREFULLY
NAME : Vansh
SURNAME : Praag
GENDER : MALE
FEMALE
OTHER
ID : 11608788
SESSION : 2015
show info
YOUR RESPONSE HAS BEEN RECORDED PRESS EXIT BUTTON TO LEAVE
OK
TERM : AUTUMN
EMAIL ID : Vans@gmail.com
FIELD : ENGINEERING
TOPIC : Project
SAVE


Python 3.8 (32-bit)
p3=Label(text="3. " + data2)
p4=Label(text="4. " + data3)
p5=Label(text="5. " + data4)
p.place(x=50,y=250)
p1.place(x=60,y=300)
p2.place(x=60,y=350)
p3.place(x=60,y=400)
p4.place(x=60,y=450)
p5.place(x=60,y=500)
else:
messagebox.showerror("show error","wrong credentials") #while entering wrong Credentials
l4=Button(window,text="sign in ",command=show1)
l4.place(x=500,y=190)
#interface attributes
#adding buttons
l1=Button(f,text="REGISTER",width=10, command=l)
l1.place(x=500,y=50)
l2=Button(f, text="SIGN IN ",width=10, command=signin)
l2.place(x=600,y=50)
l3=Button(f,text="EXIT",width=10,command=window.destroy)
l3.place(x=700,y=50)
window.mainloop()


capstone supervisior portal
EXIT
show error
wrong credentials
OK


capstone supervisior portal
EXIT
DATA SAVED IN THE MANNER : NAME LASTNAME ID SECTION TOPIC MAIL-ID CELLNO. SESSION TERM FIELD GENDER :
1.Pratham singh 11904455 K19FC python P78name@gmail.com 8879585456 2019 AUTUMN ENGINEERING MALE
2.
3.
4.
5.