

Software Engineering Mini Project

Name – Akanksha Sambhaji Desai **MIS:** 111903011

Name – Aishwarya Sanjay Yabaji **MIS:** 111903010

Batch – T1

Course Teacher - Prof.R.Y.Sarode

Project:

Validation on Registration Form: A registration form is used to register for the user.

GitHub Repository :

https://github.com/ak460/SE_PROJECT

Fields and their Validation :

1. Name –

If user does not enter the name then, after save button show message “Enter your name”.

2. Contact –

If user not enter contact then after save button show message “Enter contact number”

all entries enter by user are digits and length of contact is 10 then contact is valid otherwise show message “Invalid contact,Enter valid contact”.

3. Email-Id –

If user not enter Email ID then after submit button show message “Enter Email id”

Email ID in form of “^[a-zA-Z0-9_\-\.]+@([a-zA-Z0-9_\-\.]+)\.([a-zA-Z]{2,5})\$” then it is valid otherwise show message “Invalid”, Invalid E-mail enter by user”

e.g. admin123@gmail.com is valid

admin123gmail.com is invalid

4. Gender –

Option Menu : Male & Female

Radio button - The **Radio button** is used to provide multiple options to the user but the user can select only one option.

By Deafault gender is set to ‘Male’

4. Country –

Attributes are used in this field.

If user not select any attributes then it show message “select Country”

5. ID_Type-

Attributes are used in this field like Adhar card, Passport, Driving license

If user does not select any field then it show a message “Invalid,Enter ID Type”

6. ID_No-

If user don't write any number it shows “Please ,enter valid ID_no”

If Length of ID_no is not 12 then it show a message “Please ,Enter 12digit Id_no”

7. Password-

If user does not enter anything it shows "Please enter password"
And password should have following format;

```
"^(?=.*[0-9])(?=.*[a-z])(?=.*[A-Z])(?=.*[^\a\bA-B0-9]))"
```

It check the validation that if password contain any special character,
any digit, upper or lower case letter or not.

Exam- Akshu#123

8. Confirm Password-

It check the validation that if the password and confirm password are
same or not.

If not then after save it shows "Please Enter valid confirm password"

If we don't write anything then it shows "Please, Enter confirm
password"

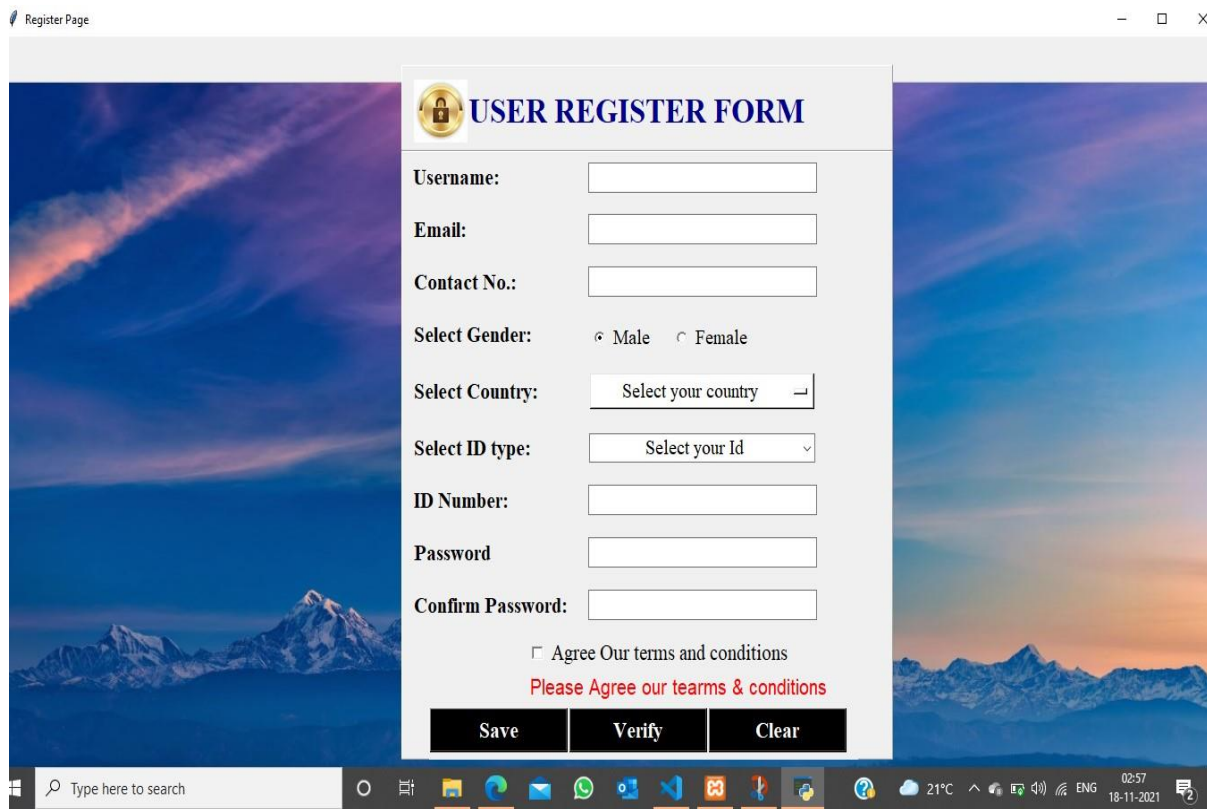
About Tkinter :

- Registration forms are created using Python library 'Tkinter.'
- Tkinter allows creating **GUI-based applications** and is rich with helpful widgets.
- For the database, we have used mySql databse
- Here is the description of widgets used in the program :

Widget Name	Widget Overview
-------------	-----------------

Tkinter Frame	We have used two frames with the name left frame & right frame . They position the logging and registration page. The geometry manager used to position frames is Place.
Tkinter Label	The Label widget is used to display text on the application screen. All the text on the screen like 'Enter Email', 'Enter Name', etc are added using the Label widget.
Entry widgets	Entry boxes provide white space to the user and the user can type the details inside it. It is one of the most important widgets used in any application.
Tkinter Radio button	Radio button widget is used to provide a single choice to the users. In the application, the user can choose only one gender at a time.
Option Menu	Option Menu is used to display the dropdown. It is used to display the list of countries or states in the application.
Button	Buttons are used to perform an action when clicked.

Output :



The screenshot shows a web browser window titled "Register Page". The main content is a "USER REGISTER FORM" with a lock icon. The form fields are as follows:

- Username:
- Email:
- Contact No.:
- Select Gender: ☒ Male ☐ Female
- Select Country:
- Select ID type:
- ID Number:
- Password:
- Confirm Password:

Below the form fields, there is a checkbox for "Agree Our terms and conditions" which is currently unchecked. Below this, the text "Please Agree our terms & conditions" is displayed in red. At the bottom of the form, there are three buttons: "Save", "Verify", and "Clear".

Validations Screenshots :

Register Page

USER REGISTER FORM

Username:

Email:

Contact No.:

Select Gender: ☒ Male ☐ Female

Select Country:

Select ID type:

ID Number:

Password:

Confirm Password:

☒ Agree Our terms and conditions
Please Agree our terms & conditions

Alert

Invalid email enter valid user email

OK

Register Page

USER REGISTER FORM

Username:

Email:

Contact No.:

Select Gender: ☒ Male ☐ Female

Select Country:

Select ID type:

ID Number:

Password:

Confirm Password:

☐ Agree Our terms and conditions
Please Agree our terms & conditions

Error

Please enter 12 digit ID number.

OK

Register Page

USER REGISTER FORM

Username:

Email:

Contact No.:

Select Gender: ☐ Male ☐ Female

Select Country:

Select ID type:

ID Number:

Password:

Confirm Password:

☐ Agree Our terms and conditions
Please Agree our terms & conditions

Error
Please enter your Valid contact
OK

Database is generated :

localhost / 127.0.0.1 / mydata /

localhost/phpmyadmin/index.php?route=/sql&db=mydata&table=register1&pos=0

Server: 127.0.0.1 Database: mydata Table: register1

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total. Query took 0.0013 seconds.)

```
SELECT * FROM `register1`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

name	email	contact	gender	country	id_type	id_number	password
Akshu	akanksha@gmail.com	7758999122	Female	India	Adhar card	354254152534	Akshu@123

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console

Prof. R. Y. Sarode
Course teacher name