User Registration Api.

Objective:

To Register into the application using the fields(email(unique), username(unique), password, confirm password, age, phone number) .after providing all valid fields need to send an account activation link mail to the user

Approach:

Create a model and make that model an Abstract user model. so that you can inherit from it and add your own profile fields and methods

AbstractUser is a full User model ,contains the authentication functionality,methods

Write a function to create a registration Api it should accept the post method

when the user provides all data validate all fields if the user made any mistakes show an error to the user according to that

Email should be in @gmail.com or @outlook.com or @yahoo.com extension only.

Phone number should start with the following format only(+919, +918, +917, +916)

write a class to Generate a token

Create a link using token and user id and domain names

Write snippet for sending mail to user using SMTP and port no 587 and host is smtp@gmail.com

Writ a activate function to activate user registration link, it accepts user id and token as a parameters

validate token using check token function, if token valid then change user status = true and user flag to "REGISTERED" , if token or link is invalid show error to the user

Output:

After accessing the “ <http://127.0.0.1:8000/register> “ Link it will ask the user to register required fields

After all validations, it will send a registration account activation mail to a user and shows a message like 'Please confirm your email address to complete the registration

if the user made any mistake while filling registration form it will show an error according to the user mistake

if the user wants to activate his account he needs to click on the link which was there in the user mail

When the user clicks on the link, if the link is valid it will show a message like "Account is activated".

if the link is invalid it will show a message like "Activation link is invalid"