Indian Institute of Information Technology, Allahabad, Prayagraj

Software Engineering
User Manual
Project 44
Real Time Medical Database Management System

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Since, we have deployed the web application on Heroku, you can either visit the web application directly via http://publicagent.herokuapp.com/ or run the project from source by following the below given steps in **Windows (64 Bit)**:

1 Download the project zip file (PublicAgentFinal.zip) from
   https://github.com/senshi007/PublicAgent-RTDBMS
   Extract it and place the folder in C:\.

2 Download the latest version of Python from
   https://www.python.org/ftp/python/3.9.5/python-3.9.5-amd64.exe

3 Open the installation file. Check on "Add Python 3.9 to PATH" at the bottom.
   Click on "Install Now".

4 Download PostgreSQL from
   https://www.enterprisedb.com/downloads/postgres-postgresql-downloads

5 Open the installation file. After clicking on "Next" 2-3 times, uncheck the
   "pgAdmin 4" and "Stack Builder" options. Click on "Next" multiple times till it
   asks to create a password. Type the pass word as "password".

6 Download pgAdmin from
   https://www.postgresql.org/ftp/pgadmin/pgadmin4/v5.2/windows/
   and click on "pgadmin4-5.2-x64.exe"

7   Open the installation file and install as usual.

8   Now open the pgAdmin application which is installed. If an error occurs or the window remains blank for more than a minute, open a command prompt window and type the following commands one by one:
    - `cd AppData\Roaming`
    - `rd /s/q pgadmin`

9   Close that command prompt. Open the pgAdmin app again.

10 Type the password as "password" (or "PASSWORD" if the former generates an error)

11 On the left panel click on "Servers". Then click on "PostgresSQL 13". Right click on "Databases" and click on "Create". Name it "PublicAgent" and click on "Save".

12 On the left panel, now click on "Databases". Right click on "PublicAgent". Click on "Restore". In the "Filename" section browse and click on the "DB-Dump" file present in the PublicAgentFinal folder present in C:\. Click on "Restore".

13 Without closing pgAdmin, open another command prompt window. Type the following commands one by one:
    - `cd C:\PublicAgent`
    - `pip install virtualenv`
    - `virtualenv env`
    - `env\scripts\activate`
    - `cd PublicAgent`
    - `pip install -r requirements.txt`
    - `python manage.py runserver`

12 Open any browser and go to http://127.0.0.1:8000 to use the web application. Now you are at the home page of our application. You can either create a new account by clicking on "Register" or "Login" with the existing administrator account with username and password as *admin.*
    You can also login with the admin at the "Admin" page accessible at http://127.0.0.1:8000/admin to utilize the powerful functions of admin.