



University of Dhaka
Department of Computer Science and Engineering

Project report:
Fundamentals of Programming Lab(CSE-1211)

Project Name:
Medi-Care

Team Member

Al Musave Nihal
Md. Atikur Rahman
Setu Baruri

1. Introduction

Medi-Care is a simple software for giving information about doctors and ambulances of Bangladesh.

2. Objectives

Our target is helping people to find Doctor's Information according to their symptoms and Ambulances according to users location from home. Besides, Here some symptoms are shown.

3. Project Features

This project contains few features. These features can be listed as:

Front page:

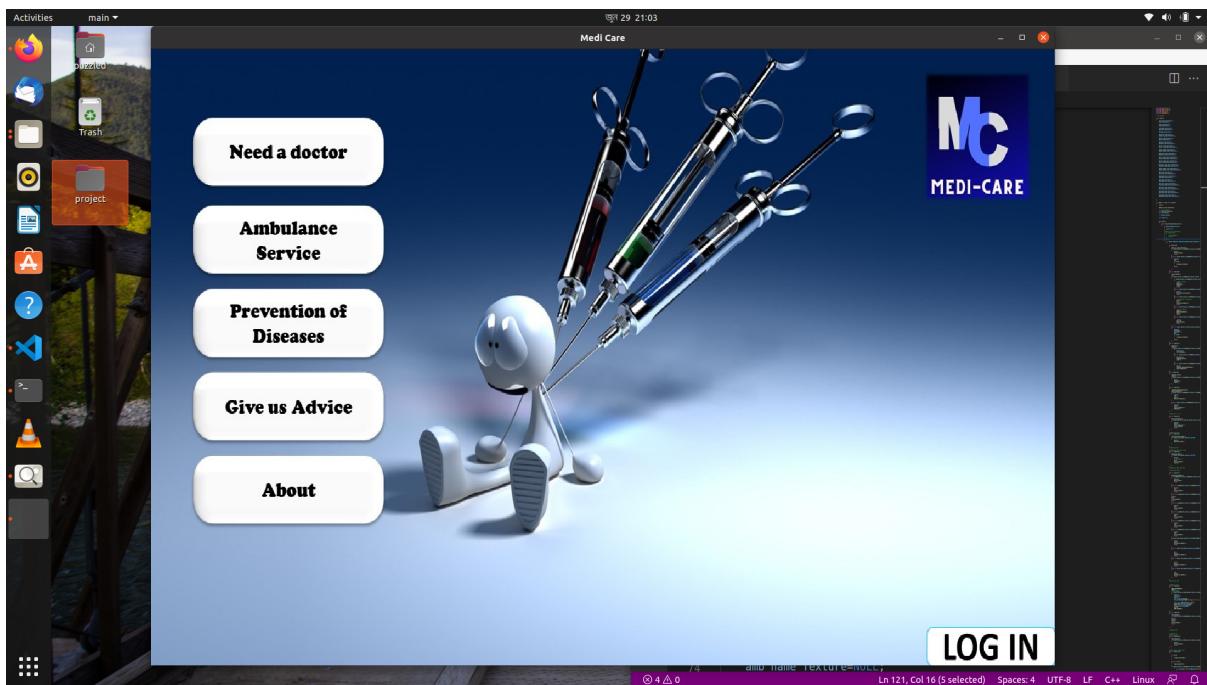
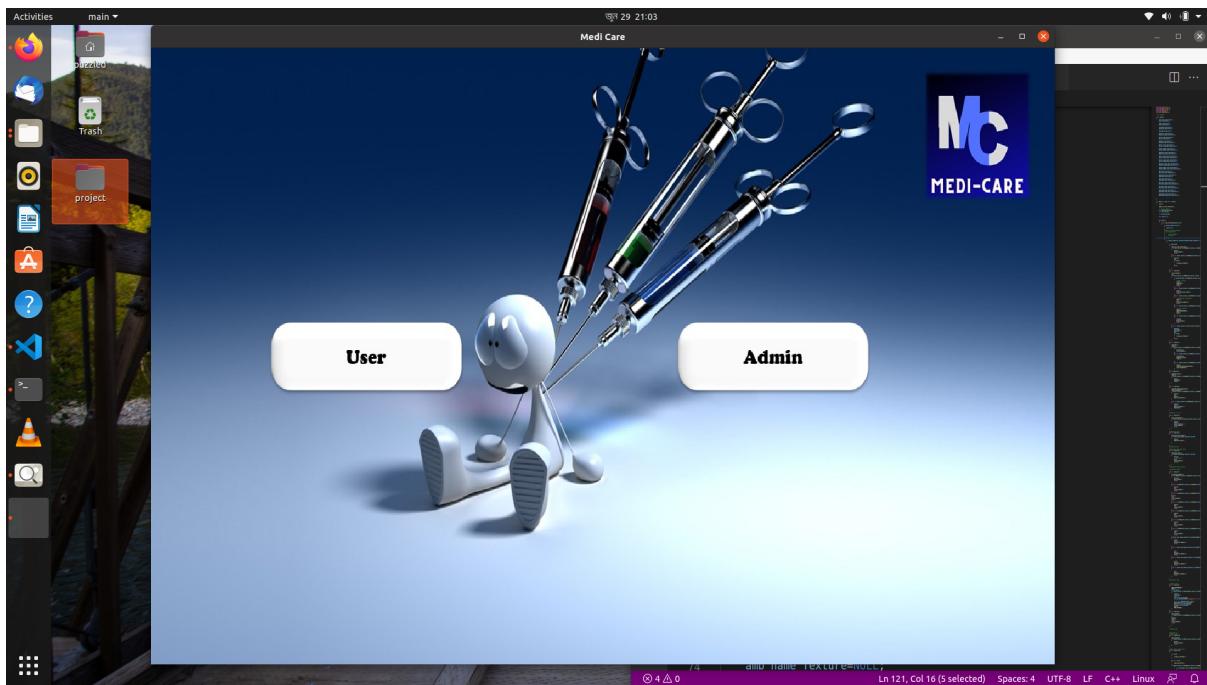
- User: It will guide the user to the user features.
- Admin: It will guide the Admin to the admin features

User:

- Need a doctor: In this feature some symptoms of diseases have been given. User has to input the symptoms number with spacing. And the user will see the desired doctor's information.
- Ambulance Service: In this feature user will input Division name and user will see the information of ambulances
- Prevention of Diseases: Some prevention of diseases has been displayed.
- Give us Advice: Actually if a user thinks that Admin should modify the apps then it will show as a message.
- About: It describes the using guide.
- Log in: admin can only log in.

Admin: if username and password match only that time Admin can access the Admin Panel.

- **Add a Doctor:** Admin can add doctor's information.
- **Add Ambulance:** Admin can add ambulance information.
- **Message:** Admin can see the message which has come from the user
- **View as user:** Admin can access the user features through this feature.



Activities main ▾

29 21:03 Medi Care

MATCH YOUR SYMPTOMS



01. sneezing
02. a runny or blocked nose
03. red, itchy, watery eyes
04. wheezing and coughing
05. a red, itchy rash
06. worsening of asthma or eczema symptoms
07. watery, loose stools
08. frequent bowel movements
09. cramping or pain in the abdomen, nausea, bloating
10. possibly fever or bloody stools, depending on the cause
11. restlessness or feeling edgy
12. becoming tired easily, fatigue
13. trouble concentrating, that may also appear as memory or attention problems
14. feeling as if the mind is going "blank"
15. irritability
16. muscle tension
17. headaches
18. sleep problems (trouble falling or staying asleep or having sleep that is not restful)

19. yellow, brown, or otherwise discolored nails,
20. hard nails,
21. brittle nails,
22. thick nails, and
23. nails that have an irregular shape.
24. cough
25. chest pain when breathing or coughing
26. labored breathing or shortness of breath.
27. coughing up phlegm
28. fever
29. chills and fatigue
30. a new onset or change in pattern of headaches
31. headaches in the morning
32. nausea and vomiting for no reason
33. changes in speech, vision or hearing
34. problems balancing or walking
35. changes in mood, personality or ability to concentrate
36. problems with memory
37. gradual loss of sensation or movement in an arm or a leg; Muscle jerking or twitching

HELP? NEXT BACK

Activities main ▾

29 21:04 Medi Care

TYPE HERE YOUR MATCHED SYMPTOMS:

01 02 03 04 05 06

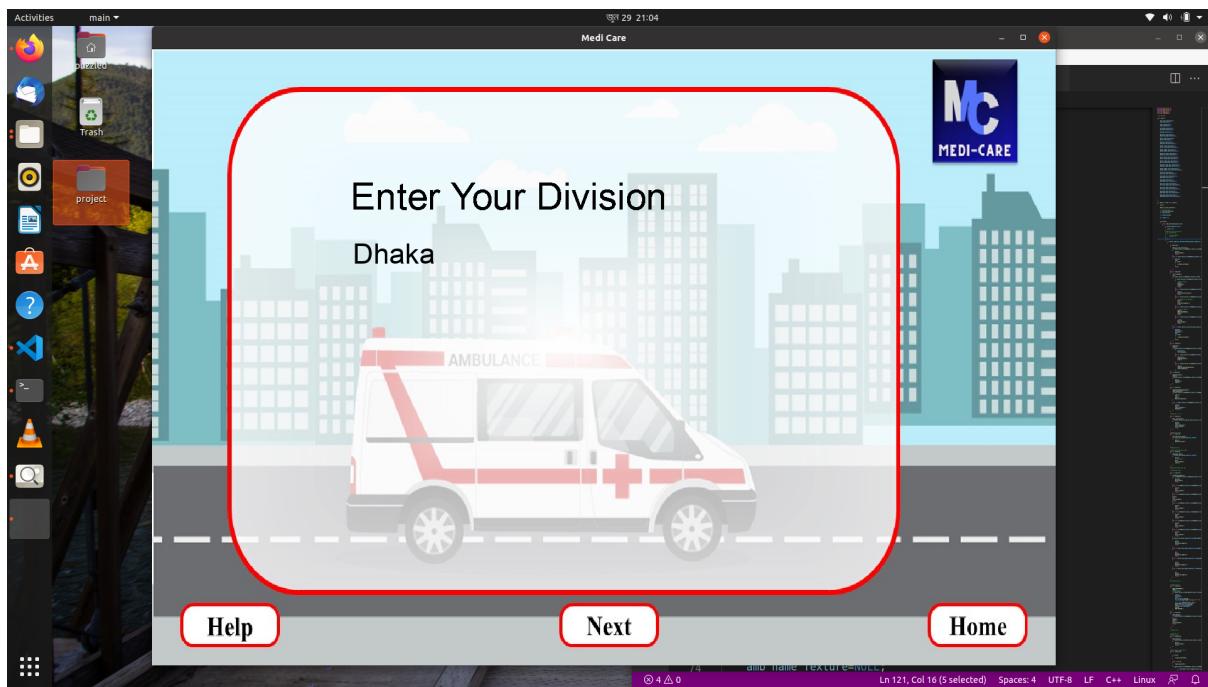
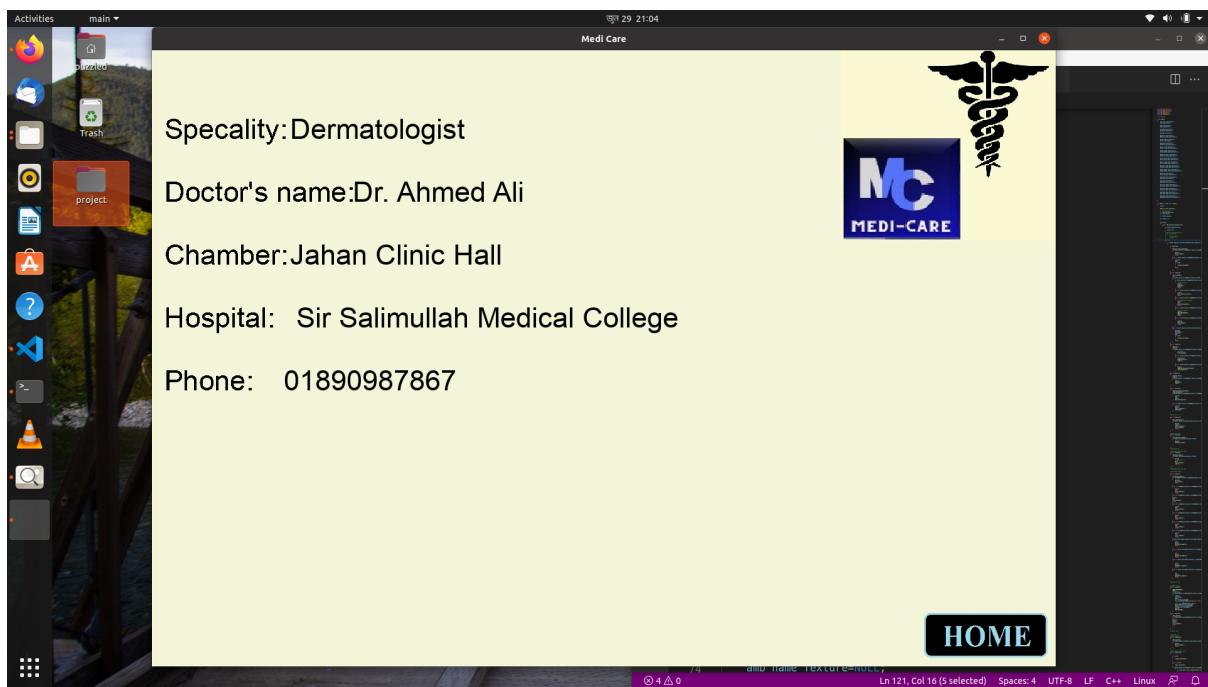
NEXT BACK

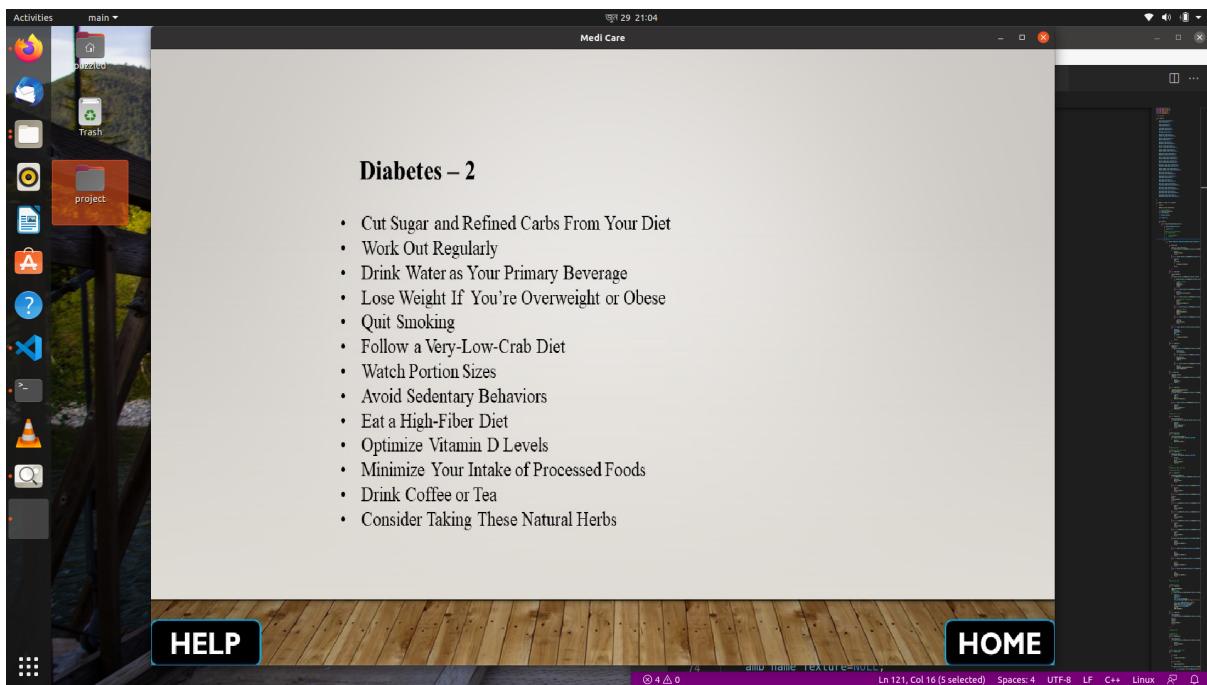
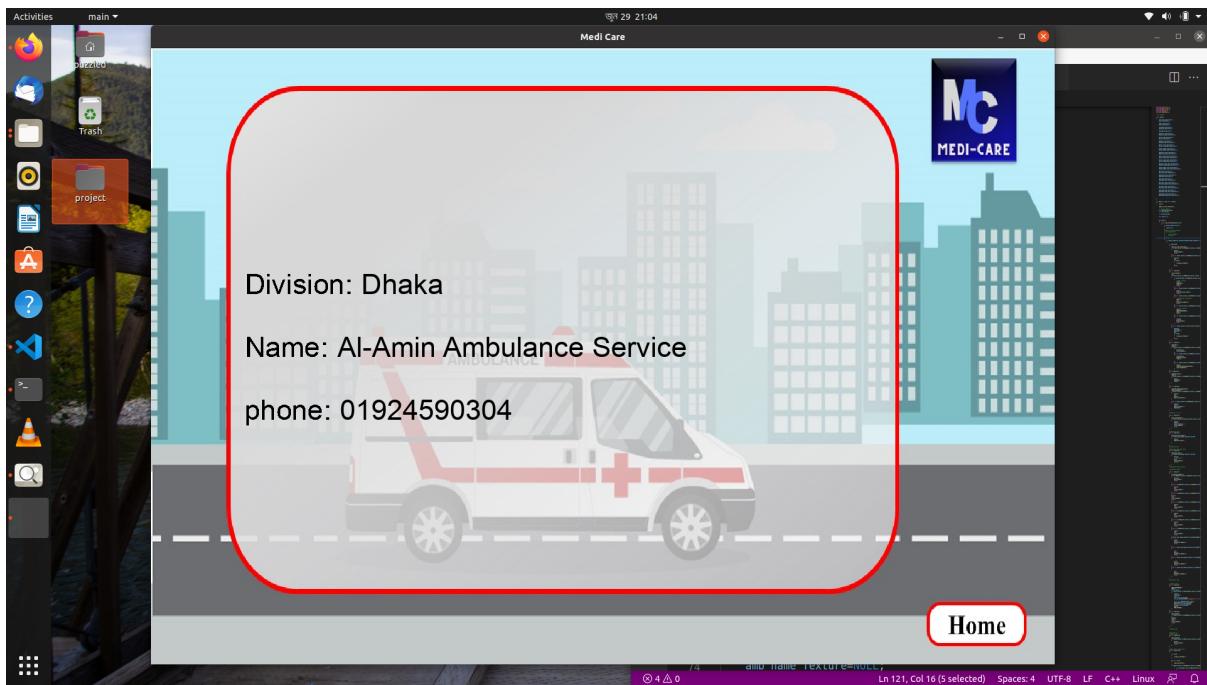
Activities main ▾

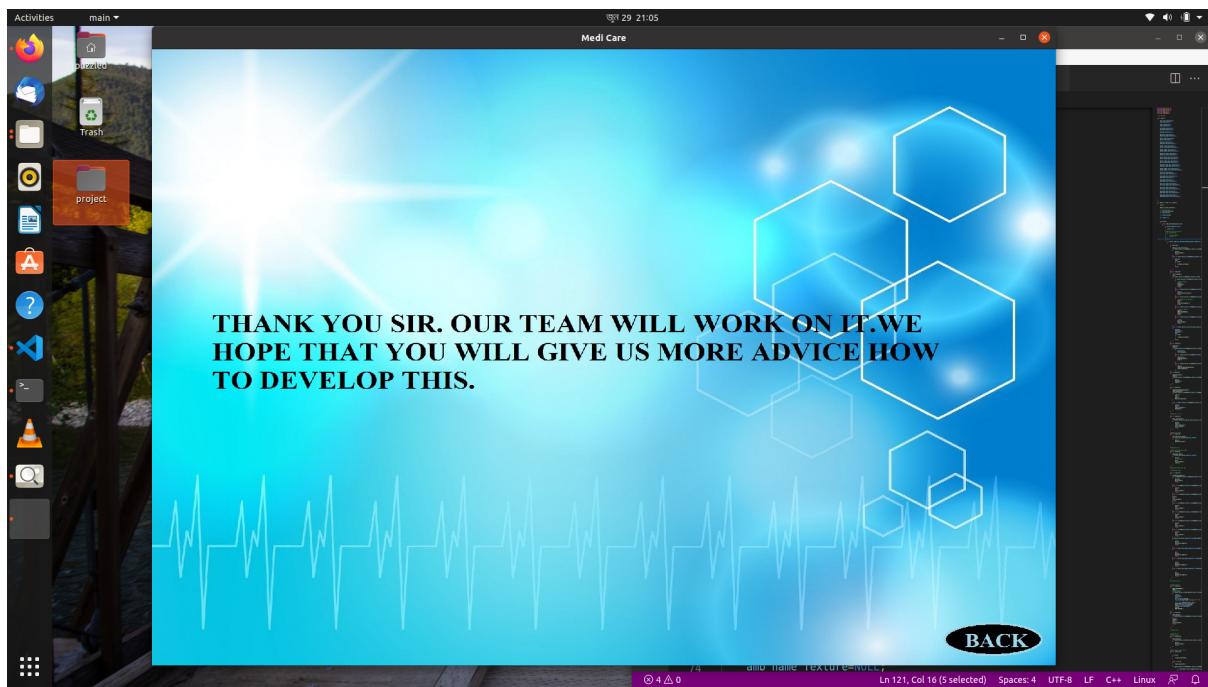
29 21:04 Medi Care

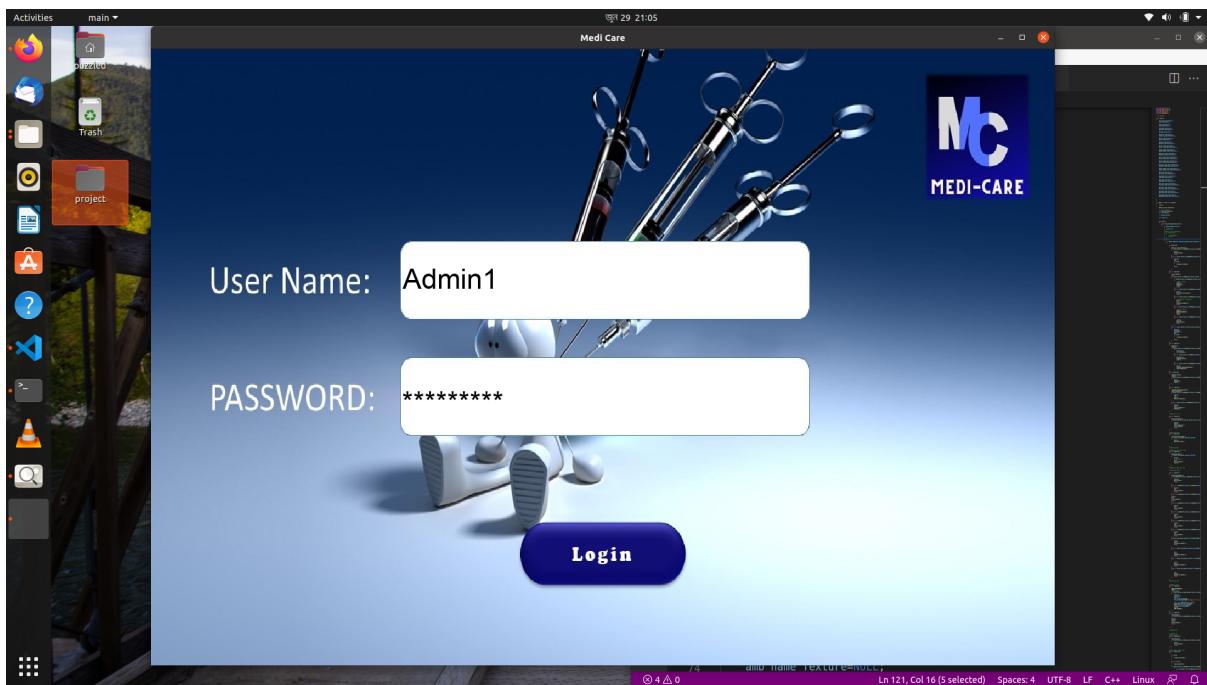
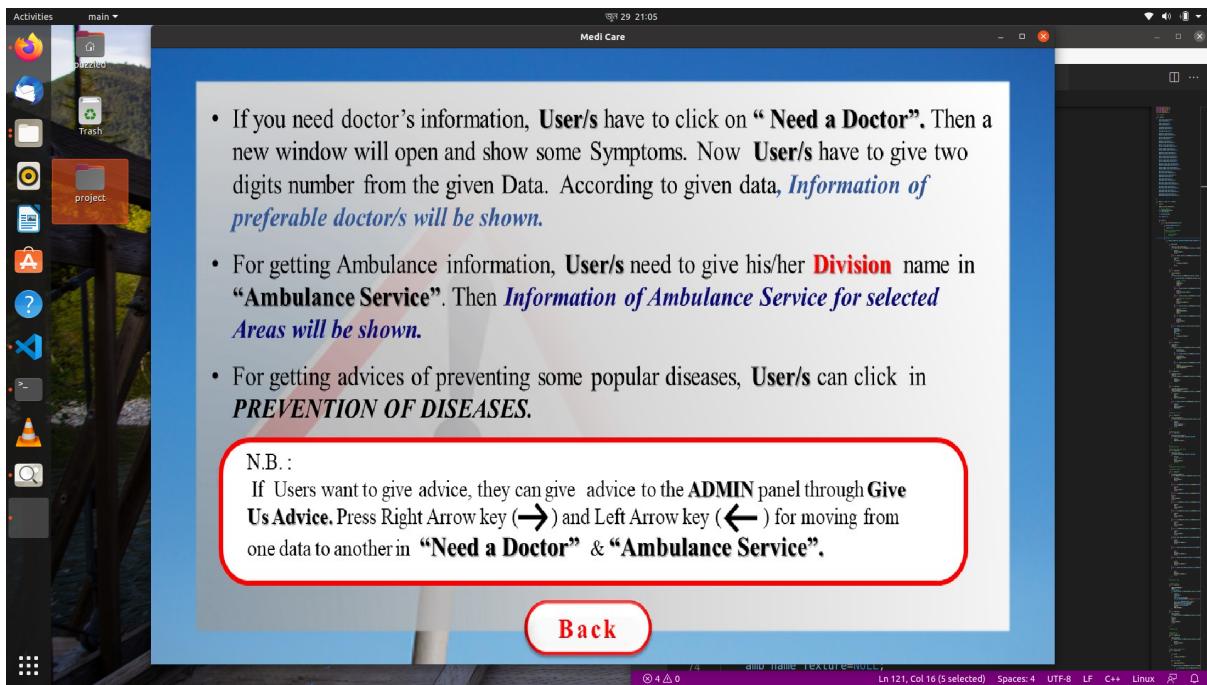
01 02 03 04 05 06

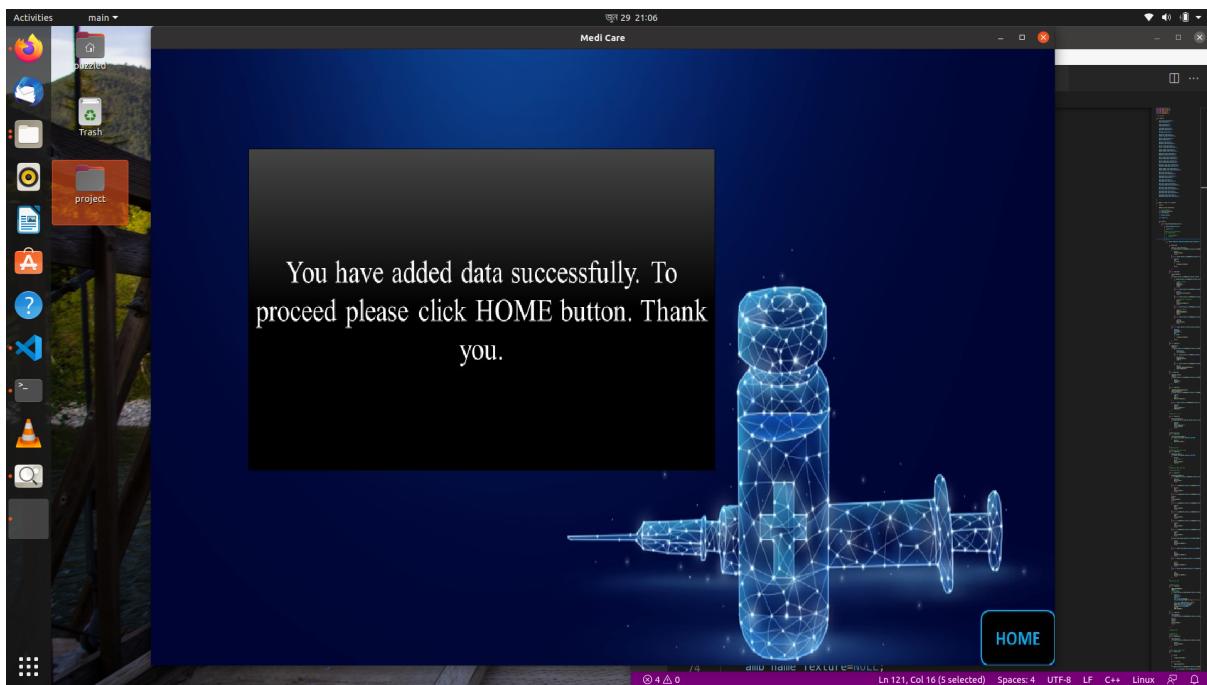
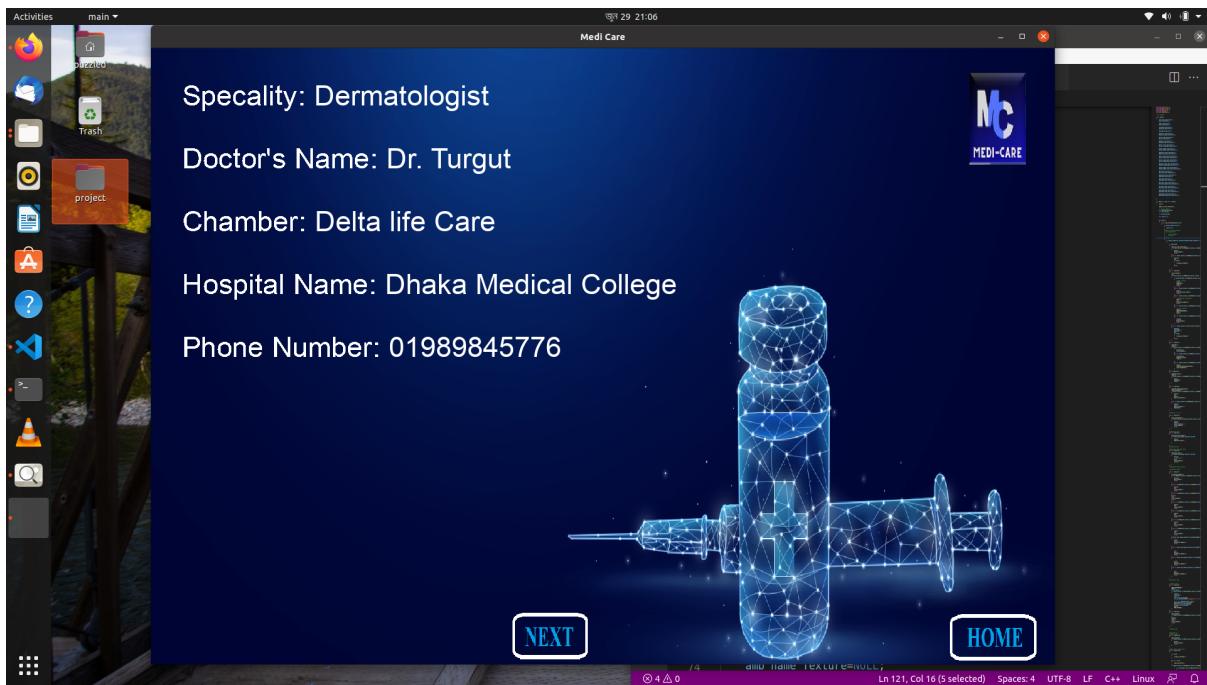
NEXT BACK

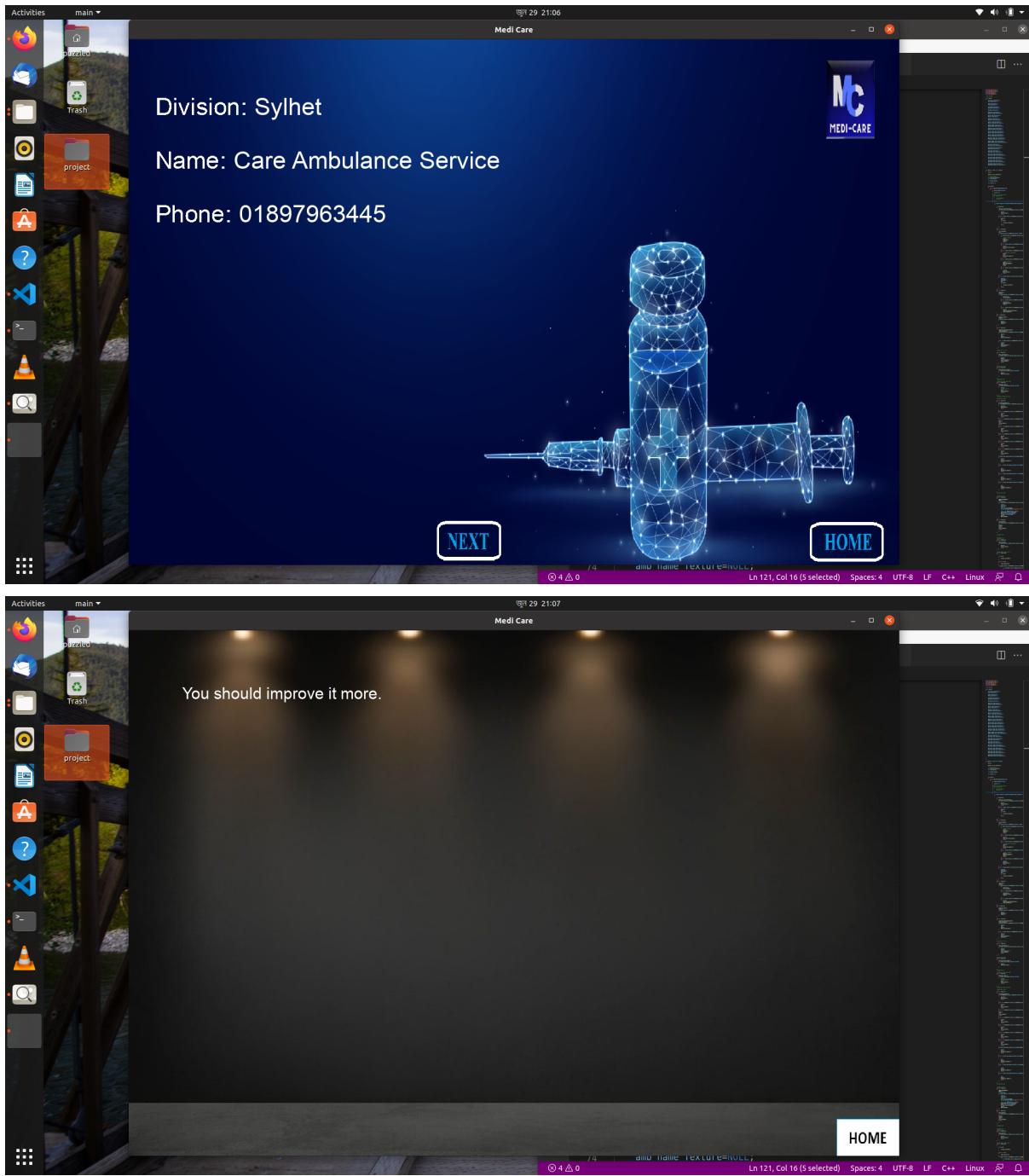












4. Project Modules

We use a few header files to complete the project. We can divide them into two types. One is **Pre-existing header files**, another is **User-defined header files**.

1. **Pre-existing header files:** SDL.h,SDL_ttf.h,SDL_mouse.h,SDL_image.h. And the rest are as usual.
2. **User-defined header files:**
texture.h,first_window.h,help.h,second_window.h,comment.h,prevention.h,Admin_panel.h,Add_Doctor.h,message.h,AMBULANCE.h

5. Team Member Responsibilities

Al Musave Nihal: File handling.Created Add_Doctor.h, prevention.h.,help.h

Md. Atikur Rahman: Combined all header files in the main.cpp file. Created texture.h,second_window.h,Admin_panel.h,comment.h

Setu Baruri: Created AMBULANCE.h,message.h,first_window.h

N.B. [All resources and work had been collected and done together]

6. Platform, Library & Tools

Operating system :Linux,
IDE :Visual Studio/Codeblocks,
Language : C,
Library : SDL 2.0

7. Limitations

In this project, we are unable to use databases. For this , we can show only data that is given by the admin panel.Mainly we're showing everything statically.

8. Conclusions

First, we like to share that we were really excited about this project. But when we started to do our work, we faced a lot of problems like improper discussion with my teammates. SDL library helped us less than we expected for our project. In the end, we have learned a lot of things from this project. We learned how to make simple software using C .

9. Future plan

We are planning for making this project as a user-friendly dynamic application. We want to upload it to the Playstore. We will add features like, Users need not to give information about their locations.They will just turn on their devices' GPS and find the information of doctors near them. We hope we can add Ambulance services like Uber.

Repositories

GitHub Repository: https://github.com/Atikur-Rahman26/CSE_Project_-MEDI_CARE-.git

Youtube Video: <https://youtu.be/vgiHdCI7ueo>

References

Youtube tutorials, lazyfoo.net