



FPT ACADEMY INTERNATIONAL

FPT - APTECH COMPUTER EDUCATION

Center Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

DOCTOR WEB FORUM

Design Document

| | | |
|--------------------|-----------------------|-----------------|
| Supervisor: | Mr. Tran Phuoc Sinh | |
| Semester: | 3 | |
| Batch No: | T1.2110.A0 | |
| Group No: | 2 | |
| Order: | Full name | Roll No. |
| 1. | Nguyen Van Bao | Student 1341596 |
| 2. | Nguyen Ngoc Truc Linh | Student 1344661 |
| 3. | Nguyen Thanh Huy | Student 1341613 |
| 4. | Nguyen Xuan Loc | Student 1341546 |
| 5. | Nguyen The Vinh | Student 1273003 |

This is to certify that

Mr. NGUYEN VAN BAO

Ms. NGUYEN NGOC TRUC LINH

Mr. NGUYEN THANH HUY

Mr. NGUYEN XUAN LOC

Mr. NGUYEN THE VINH

Have successfully Designed & Developed

DOCTOR WEB FORUM

Submitted by:

Mr. TRAN PHUOC SINH

Date Of Issue:

10/2/2023

Authorized Signature:

Mr NGUYEN VAN BAO

TABLE OF CONTENTS

TABLE OF CONTENTS

| | |
|----------------------------------------------------|----|
| I. Introduction..... | 1 |
| II. Problem Definition | 2 |
| 2. Non-functional Requirement Specifications | 6 |
| 3. System Requirement Specifications..... | 6 |
| 3.1 Server Requirement: | 6 |
| 3.2 Client requirements: | 7 |
| 3.3 Development Software: | 8 |
| 3.4 Technology: | 8 |
| REVIEW 2..... | 9 |
| Architecture & Design of the Project | 10 |
| 1.Presentation Tier | 10 |
| 2.Business Logic Tier | 10 |
| 3.Data Access Tier | 11 |
| Algorithms – Data Flowchart | 12 |
| 1.Symbols generates | 12 |
| 2.Login (all users) | 12 |
| 3.Logout (all users)..... | 13 |
| 4.Post..... | 13 |
| | 13 |
| 5.Chat(All user) | 14 |
| Use Case Diagram..... | 16 |
| 1.User:..... | 16 |
| 2.Admin: | 17 |
| REVIEW 3..... | 18 |
| Database Design Diagram..... | 18 |
| GUI Design | 19 |

| | | |
|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 4 |

| | |
|-------------------------|----|
| Employee | 19 |
| Login..... | 19 |
| Customer..... | 20 |
| Task Sheet Review | 35 |

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| Date | | |

REVIEW 1

| | | |
|-----------------------------------------|------------------------------------------|---------------------------------|
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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 1 |

ACKNOWLEDGEMENT

First and foremost, we would like to express the deepest appreciation to our admirable instructor – Mr. Tran Phuoc Sinh . During the time of the project, he continually and convincingly conveyed a spirit of adventure in regard to research and scholarship, and an excitement in regard to teaching. Without his guidance and persistent help this dissertation would not have been possible. Therefore, once again, we truly value your dedication and guidance, Mr. Sinh.

Next, it would have been impossible to carry out and complete this project without the collaboration among our team members. Although we have gone through many obstacles during the project implementation, eventually we gained what we aimed at by our hard work, our strong commitment and of course, our brotherhood.

Finally, thanks to Aptech's eProject team, we had a golden opportunity to apply what we have learnt into reality and gain hands-on experience which is essential for our future career.

I. Introduction

The thirst for learning, upgrading technical skills and applying the concepts in real life environment at a fast pace is what the industry demands from IT professionals today. However busy work schedules, far-flung locations, and unavailability of convenient time-slots pose as major barriers when it comes to applying the concepts into realism. And hence the need to look out for alternative means of implementation in the form of ladder approach.

The above truly pose as constraints especially for our students too! With their busy schedules, it is indeed difficult for our students to keep up with the genuine and constant need for integrated application which can be seen live especially so in the field of IT education where technology can change on the spur of a moment. *Well, technology does come to our rescue at such times!!*

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 2 |

Keeping the above in mind and in tune with our constant endeavour to use Technology in our training model, we at Aptech have thought of revolutionizing the way our students learn and implement the concepts using tools themselves by providing a *live and synchronous eProject learning environment!*

II. Problem Definition

The Objective of this program is to give a sample project to work on real life projects. These applications help you build a larger more robust application.

The objective is not to teach you the software s but to provide you with a real life scenario and help you create basic applications using the tools.

You can revise the topics before you start with the project.

These programs should be done in the Lab sessions with assistance of the faculty if required.

It is very essential that a student has a clear understanding of the subject.

Kindly get back to eProjects Team in case of any doubts regarding the application or its objectives.

Our client is a doctor who is one of the famous Cardiac specialists in the country. As he is one of the famous specialists in the country, he generally used to visit some places for operating some patients with some critical cardiac conditions. Also he used to get invitations from various colleges in the country for attending and giving the seminars, also he runs a college, which is one of the famous Medical colleges in the country.

Actually he wants an online application such as a discussion forum for the doctors

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| Date | | |

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|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 3 |

in the world, so that if any one is having any queries (for the junior doctors, etc.) or to discuss some new cases in different fields. He wants this application to be developed as this can bridge the gap between the various doctors available in the world and can know each other through this portal. Also in case of any emergencies or for some special cases one can go through the application and search for the various doctors based on the specialization and the location which ever is suitable so that so many people s lives can be saved

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|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.2. personal page | <p>R1: Personal information can be edited and updated</p> <p>R2: Allow others to see personal information</p> <p>R3: Manage posts that can be edited or deleted</p> <p>R4: Status updates allow others to see you online or offline</p> <p>R5: Change the password</p> | <p>R1: User's information can be viewed.</p> <p>R2: Posts may be deleted when they do not meet community standards.</p> <p>R3: Can manage user post comments on profile.</p> |
| 1.3. Chat channel | <p>R1: You can chat with the doctor you want</p> <p>R2: Can discuss different topics together.</p> <p>R3: Can search the chat</p> | <p>R1: Can see all chats.</p> <p>R2: Chats can be made available if requested by the authorities.</p> <p>R3: Can delete channels</p> |
| 1.4 Forum to post information | <p>R1: Posts can be posted on the forum.</p> <p>R2: You can comment and discuss the post.</p> <p>R3: You can delete your own posts on the forum.</p> <p>R4: Easily view all the latest posts of the day</p> | <p>R1: Posts can be removed upon request or in violation of community standards.</p> <p>R2: Posts can be viewed and managed on the forum.</p> |
| 1.5 Appointment | <p>R1: User can add new doctor appointment</p> | <p>R1: Access the appointment management page.</p> |

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|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 5 |

| | | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| | R2: User can cancel appointment R4: Manage new reasons for appointments R5: Manage email to receive appointment R6: Appointment management | R2: None |
| 1.6 Change Password | R1: Visit Change Password page. R2: Change Password by filling in account information. R3: Password changed. | R1: Visit Change Password page. R2: Change Password by filling in account information. R3: Password changed. |
| 1.7 Register | R1: Visit Register Page. R2: Filling in customer account information. R3: Customer Account created. | |
| 1.8 Sitemap | R1: Visit Sitemap Page at footer. R2: Can view the page sitemap. | None |

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 6 |

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|------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 1.9 Contact us | R1: Visit Contact Page. R2: Can view contact information. | R1: Visit Contact Page. R2: Can edit contact information. |
| 2.0 Find Doctor | R1: Can search for doctors by specialty and location | |
| 1.9 Contact us | R1: Visit Contact Page. R2: Can view contact information. | R1: Visit Contact Page. R2: Can edit contact information. |

2. Non-functional Requirement Specifications

- R1. Good using Interface and Experience.
- R2. Clean code.
- R3. Try hard to improve the performance.
- R4. Try this website to run on all browsers.
- R5. Try to limit bugs on this website.

3. System Requirement Specifications

3.1 Server Requirement:

- Hardware:
 - ❖ Component CPU:

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| Date | | |

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|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 7 |

- Processor type:
- Pentium IV-compatible processor or faster
- Processor speed: Recommended: 2.0 GHz or faster
- ❖ OS:
 - Microsoft Windows XP or higher with IIS
- ❖ Memory (RAM):
 - Minimum: 512MB
 - Recommended: 2GB or more
- ❖ Hard Drive:
 - Minimum: 200 MB
 - Recommended: 50 GB or more
 - Maximum: Operating system maximum
- Software:
 - ❖ ASP.NET Core Version .NET Core 6.0
 - ❖ RDBMS SQL Server

3.2 Client requirements:

- Hardware:
 - ❖ Component CPU:
 - Processor type:
 - Pentium IV-compatible processor or faster
 - Processor speed: Recommended: 2.0 GHz or faster
 - ❖ OS:
 - Microsoft Windows XP or MacOS ...

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|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 8 |

❖ Memory (RAM):

- Minimum: 512MB
- Recommended: 2GB or more

❖ Hard Drive:

- Minimum: 512MB
- Recommended: 1 GB or more

● Software:

- ❖ Web Browser: Microsoft Edge, Mozilla Firefox, Chrome

3.3 Development Software:

- Microsoft SQL server Management Studio
- Microsoft Visual Studio 2022.
- Microsoft Visual Code

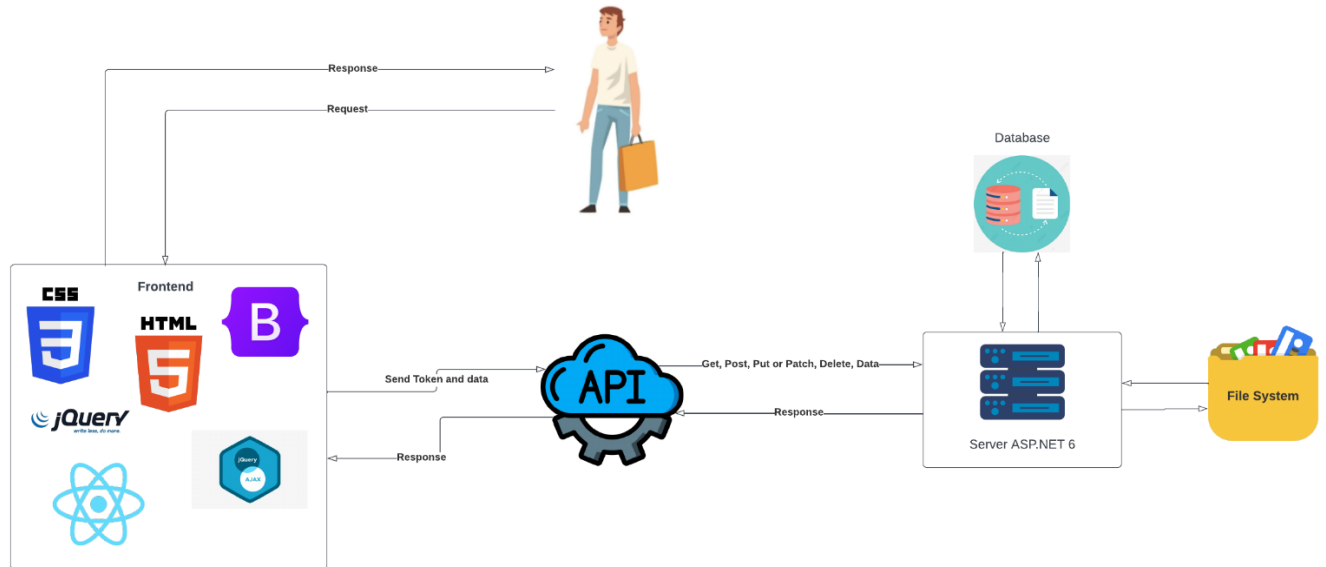
3.4 Technology:

- ASP.Net Core 6.0
- Entity Framework Core 6.0.7

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REVIEW 2

Architecture & Design of the Project



1.Presentation Tier

1.1 This is the tier in which the users interact with applications. Presentation Tier contains Model, View, Controller used to receive a request and response to User.

2.1 Technology: ASP.NET CORE 6 WEB API MVC, HTML, CSS, JS, REACTJS

2.Business Logic Tier

3.1 Is mainly working as the bridge between Data Tier and Presentation Tier. All the Data passes through the Business Tier before passing to the Presentation Tier.

4.1 Technology: OOP, ASP.NET CORE API

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 11 |

3.Data Access Tier

5.1 This is basically the server which stores all the application's data. Data tier contents Database Tables, Database Views and other means of storing Application's data.

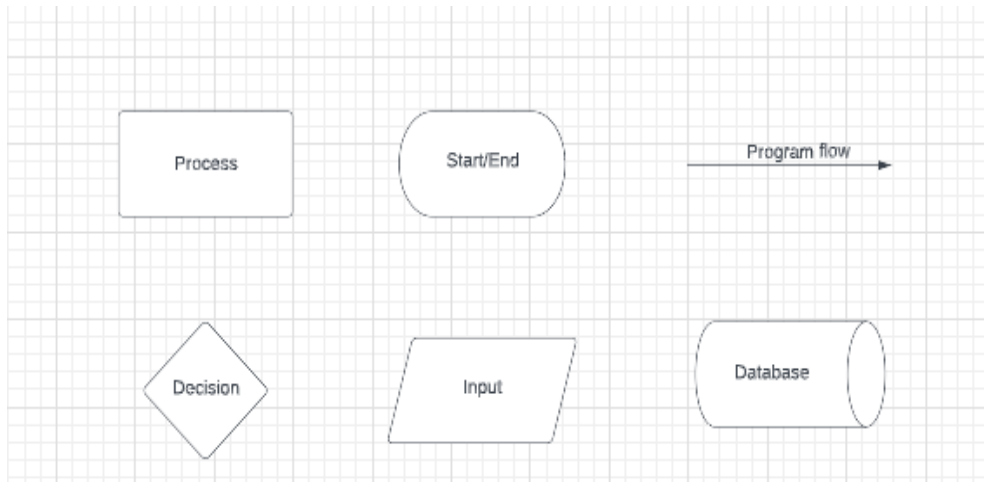
6.1 Technology: SQL Server

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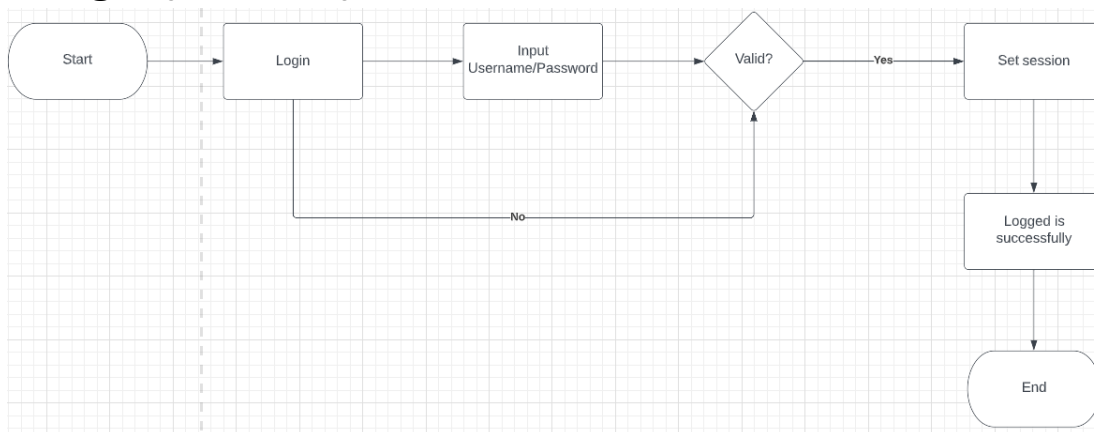
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| Effective Date: 10-02-2023 | Version 1.0 | | Page No: 12 |

Algorithms – Data Flowchart

1.Symbols generates



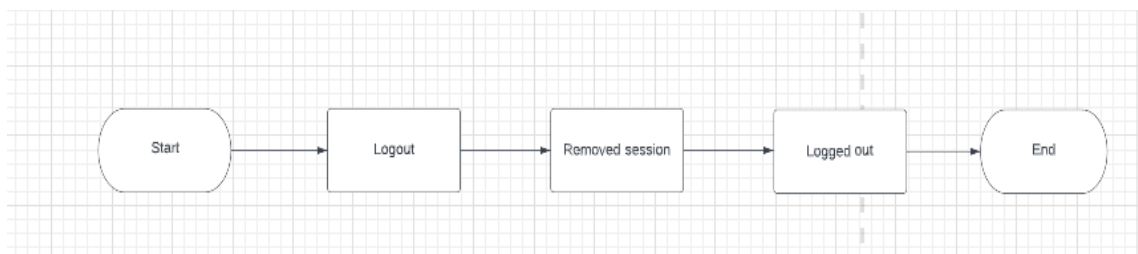
2.Login (all users)



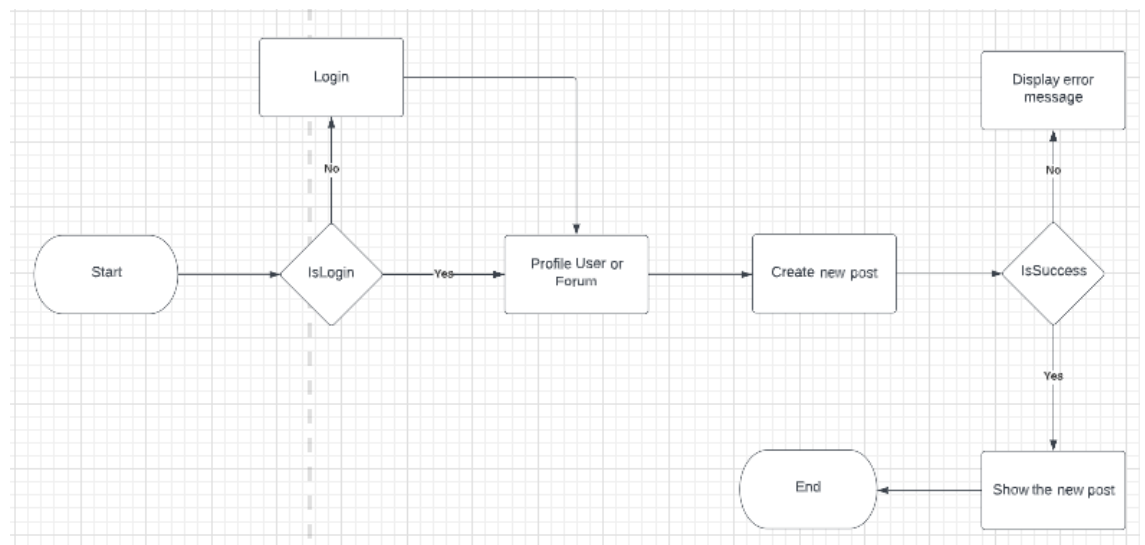
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| Effective Date: 10-02-2023 | Version 1.0 | | Page No: 13 |

3. Logout (all users)



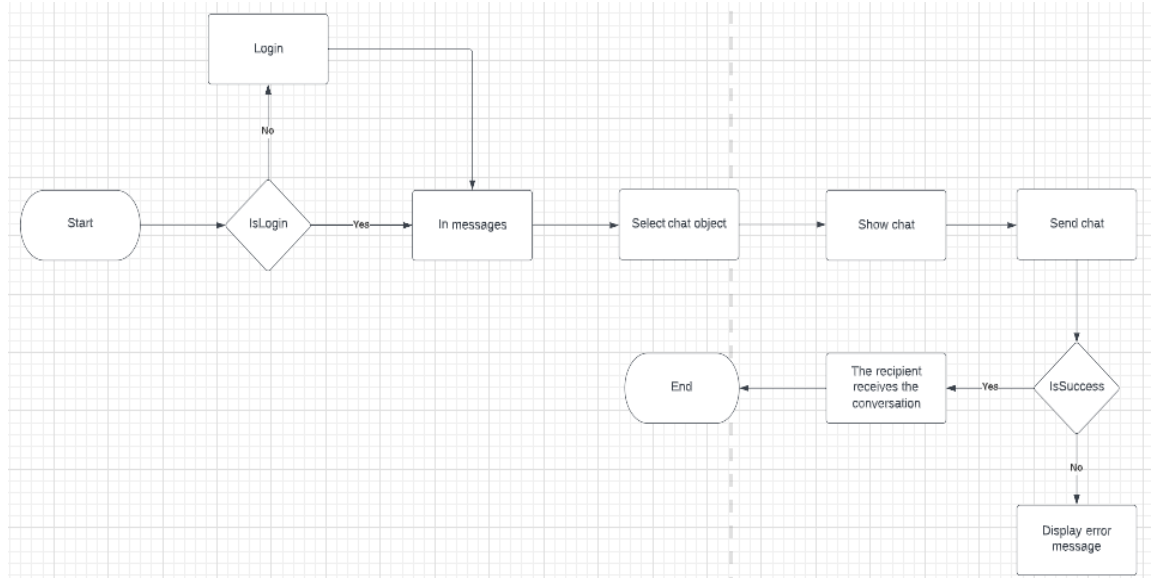
4.Post



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| Design Plan: Doctor Web Forum | Document Definition | Name: Problem | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | | Page No: 14 |

5.Chat(All user)



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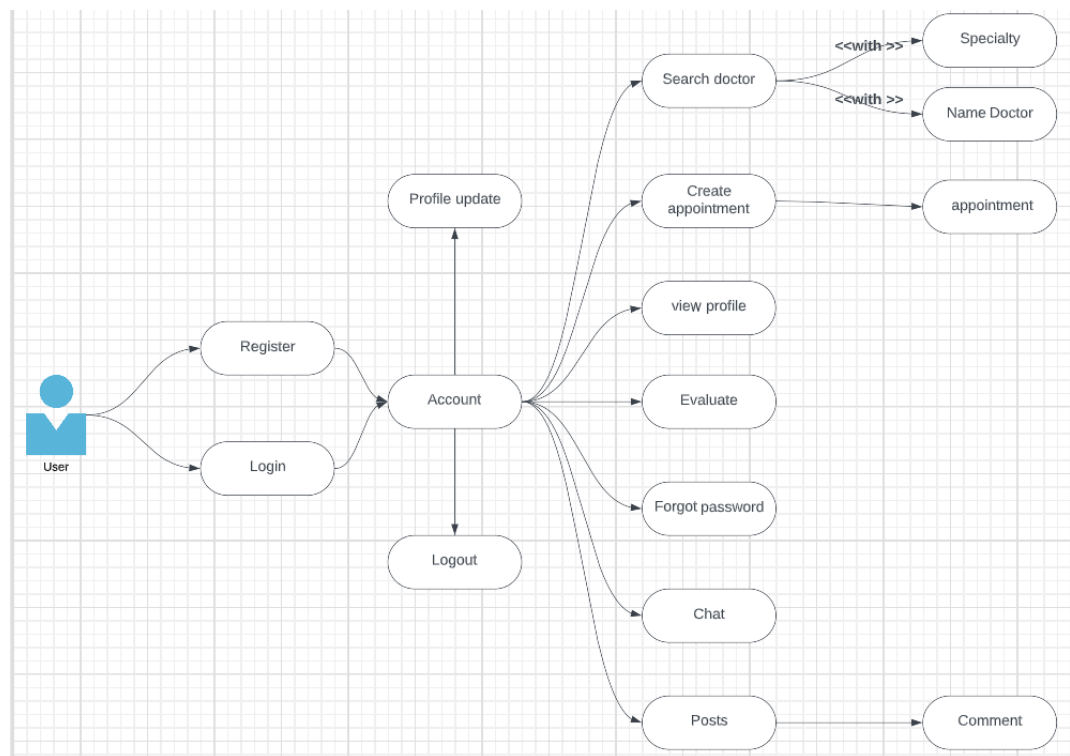
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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 15 |

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 16 |

Use Case Diagram

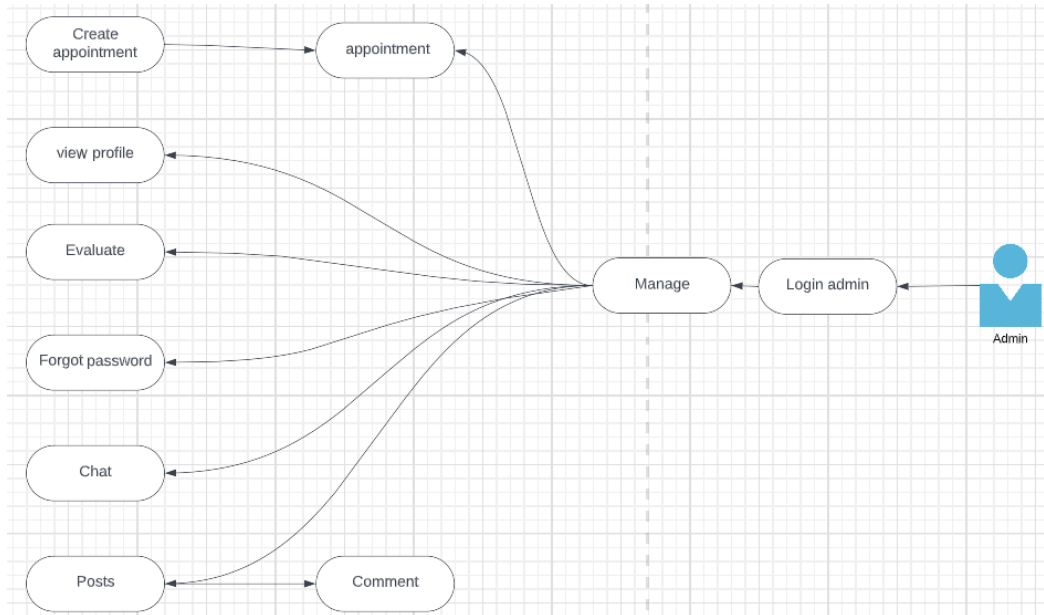
1.User:



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| Design Plan: Doctor Web Forum | Document Definition | Name: Problem | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 17 | |

2.Admin:

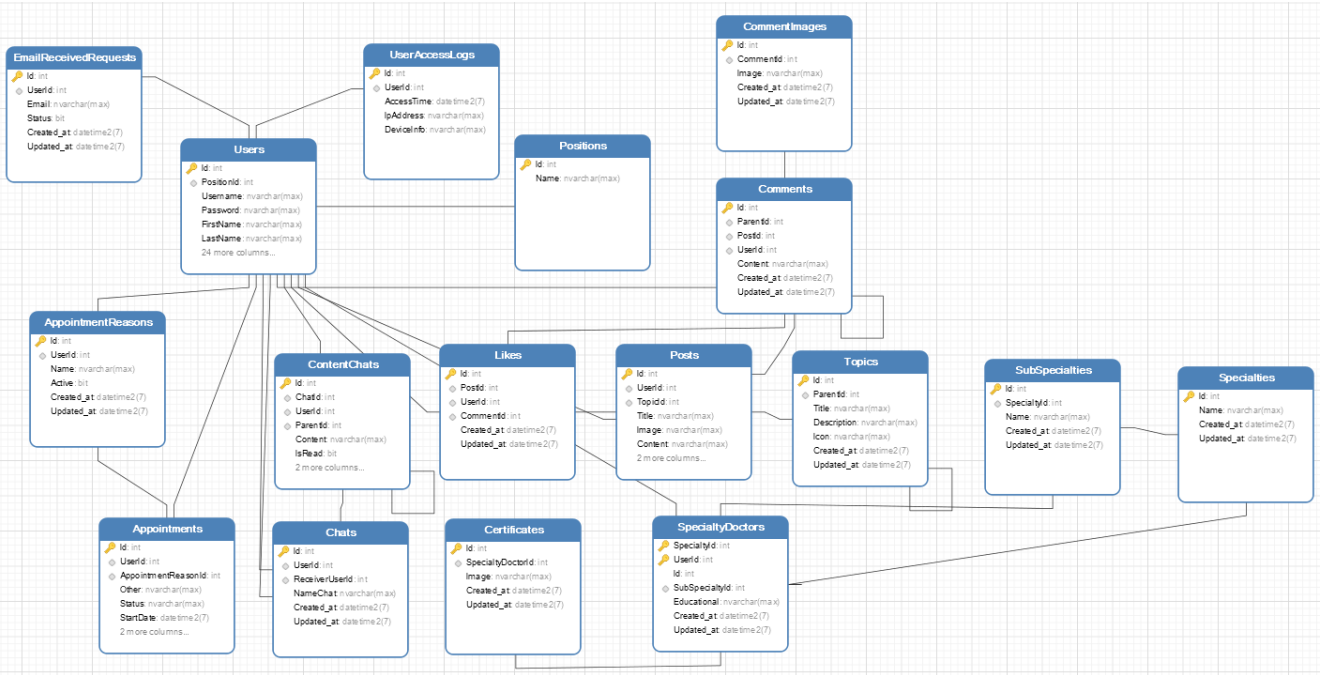


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REVIEW 3

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 18 |

Database Design Diagram



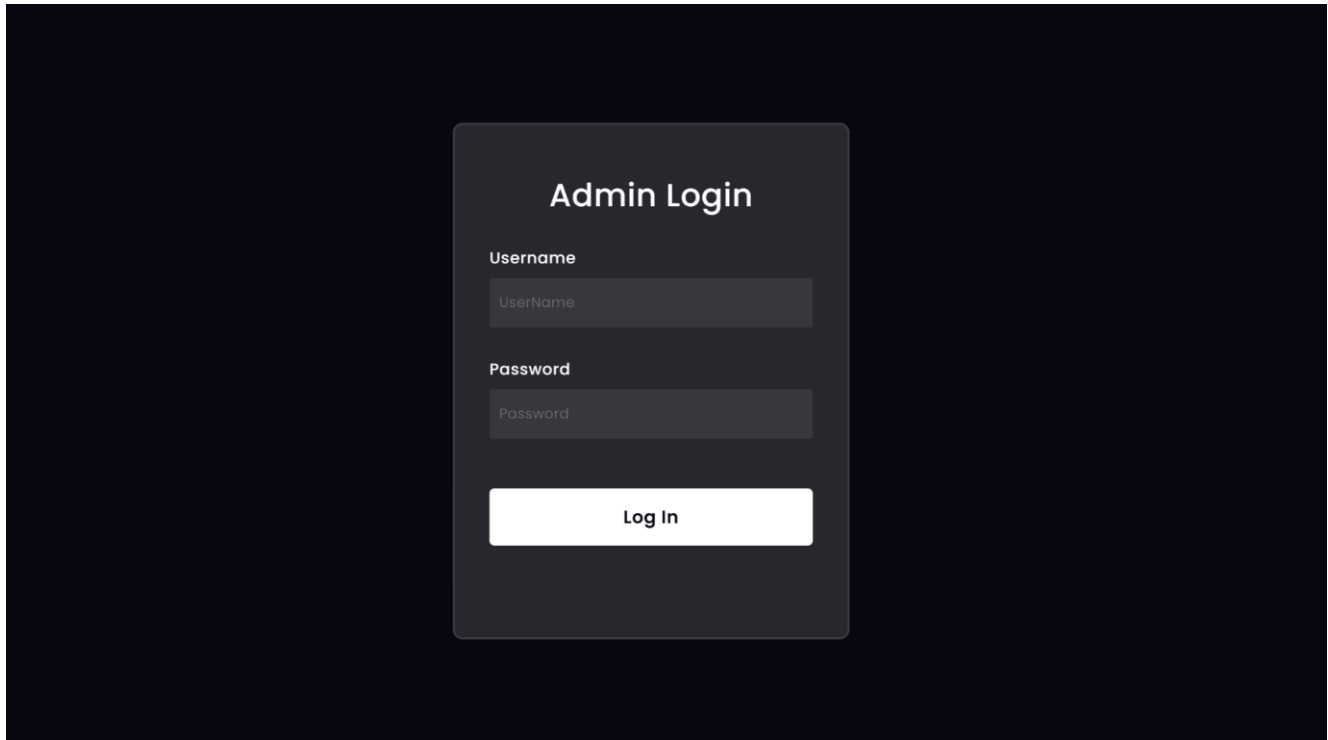
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|-----------------------------------------|------------------------------------------|---------------------------------|
| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 19 |

GUI Design

Employee

Login



The image shows a dark-themed GUI for an 'Admin Login' form. The form is centered on a dark blue background. It features a title 'Admin Login' in white. Below the title are two input fields: 'Username' and 'Password', both with placeholder text. A white 'Log In' button is positioned below the password field. The entire form is enclosed in a dark gray rounded rectangle.

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 20 |

Customer

1.1.Header



| No. | Name | Validate | Type | Event | Description |
|-----|--------------|--------------|--------|-------|-----------------------------|
| 1 | Login | Not Validate | Button | Click | Login |
| 2 | Logout | Not Validate | Button | Click | Logout |
| 3 | Notification | Not Validate | Link | Click | Click to go to Notification |
| 4 | Chat | Not Validate | Link | Click | Click to go to Chat page |

1.2.Footer

Contact Us



CAREERS

Job Listing

ABOUT

Our Solutions

Company

Press

Contact

RESOURCES

eBooks

Videos

Blog

FIND A DOCTOR

...by Insurance

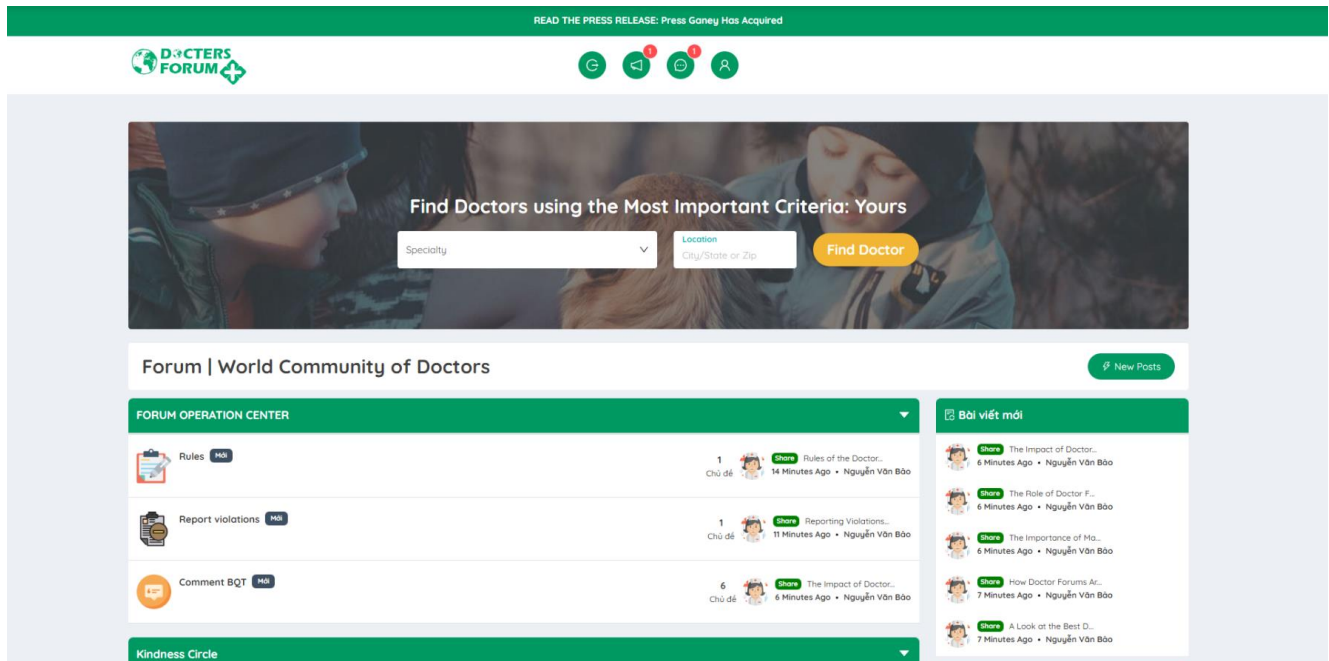
...by Specialty

...by Location

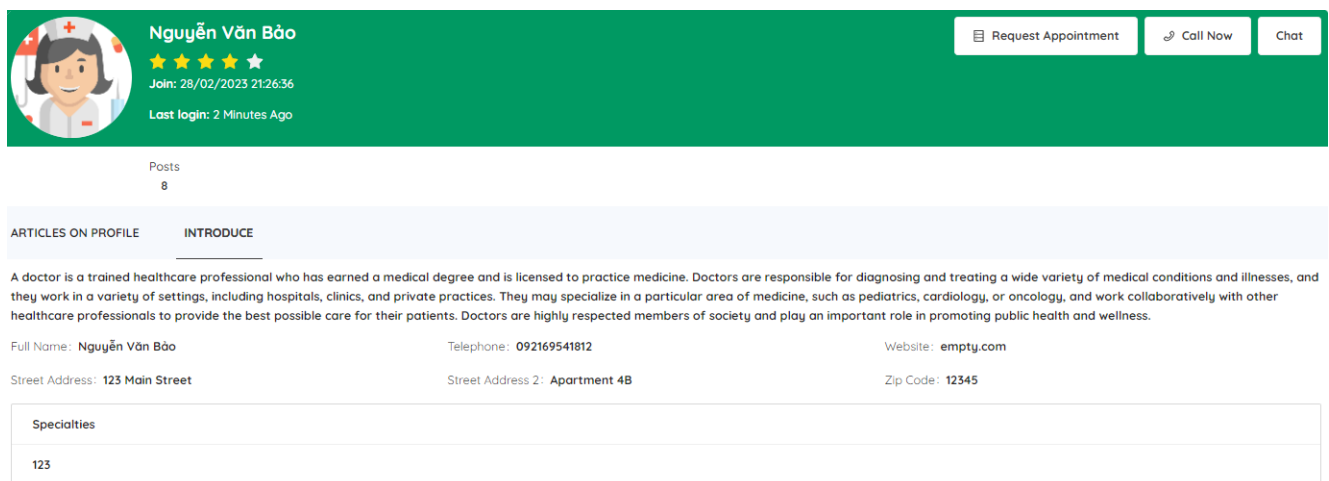
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|-----------------------------------------|------------------------------------------|---------------------------------|
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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 21 |

1.3.Home Page



1.4.Introduce




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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 23 |

1.6.Signin

READ THE PRESS RELEASE: Press Ganey Has Acquired

DOCTERS FORUM [SIGN IN](#) [BOOK A DEMO](#)



SignIn

Username *

Please input username

Password *

Please input password

[Forgot Password](#)

Do not have an account [SignUp](#)

Contact Us

[f](#) [t](#) [i](#)

CAREERS

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RESOURCES

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FIND A DOCTOR

[...by Insurance](#)

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[...by Location](#)

| No. | Name | Validate | Type | Event | Description |
|-----|-----------|--------------|---------|---------|---------------------|
| 1 | User name | Required | Textbox | On Type | Customer User |
| 2 | Password | Required | Textbox | On Type | Customer password |
| 3 | SignIn | Not Validate | Button | Click | Go to Register page |

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 24 |

1.7.Sign Up

READ THE PRESS RELEASE: Press Ganey Has Acquired

DOCTERS FORUM [SIGN IN](#) [BOOK A DEMO](#)

SIGN UP

FirstName *
Input FirstName

LastName *
Input LastName

PhoneNumber *
Input PhoneNumber

Email *
Input Email
(điền thông tin để nhận hóa đơn điện tử)

UserName *
Input UserName
Please input UserName

Gender *
☐ Male ☐ Female ☐ Other

Password *
Input Password
Please input password

[Forgot Password](#)

[SignUp](#)

Already have an account? [SignIn](#)

1.8.Security Settings

READ THE PRESS RELEASE: Press Ganey Has Acquired

DOCTERS FORUM [Home](#) [Messages](#) [Calendar](#) [Profile](#)

Settings

Personal Information

Security Settings

Services

[/ profile / settings / security-settings](#)

Allow others to see you online ☒ Allow others to see your personal information ☒

Password Old
Password old

Password New
Password New

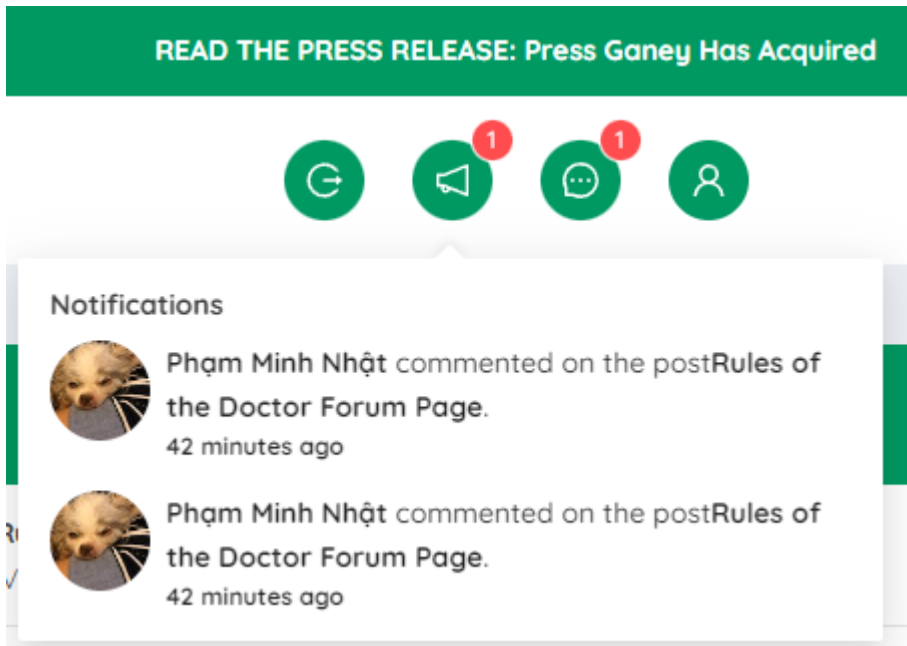
Confirm Password New
Confirm Password New

[Update](#)

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 25 |

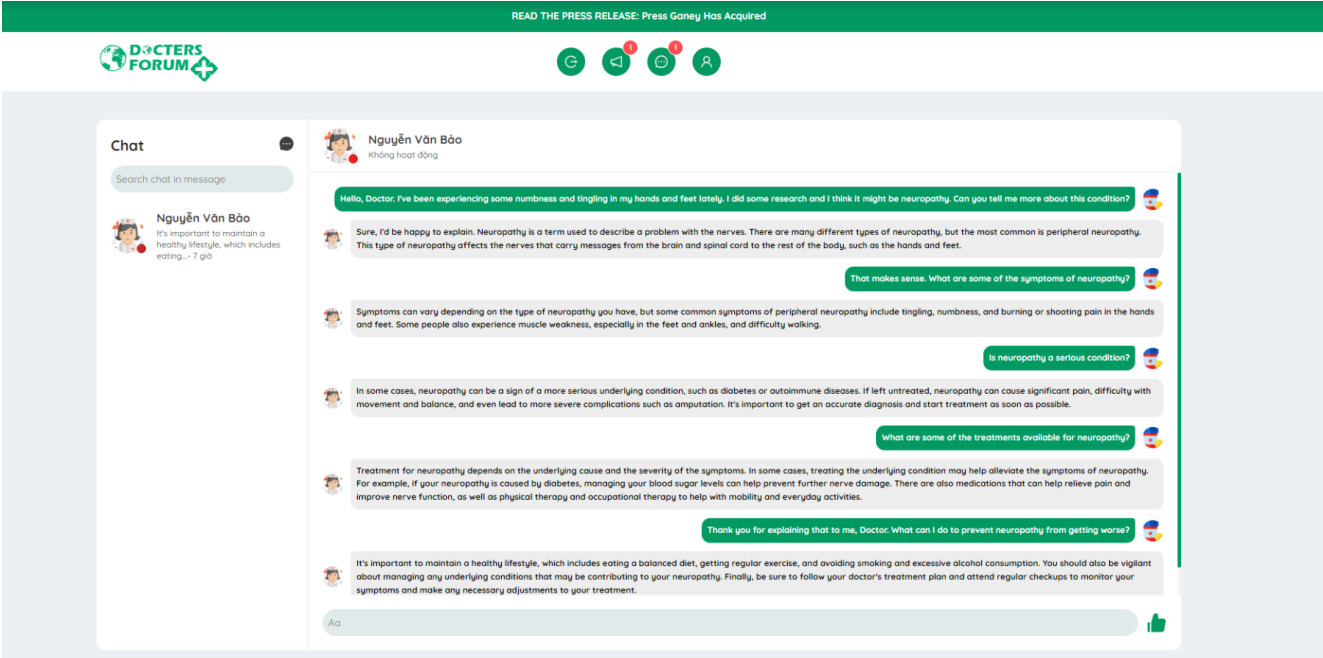
1.9.Notifications



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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 26 |

1.10. Chat



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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 27 |

1.11. Forgot Password

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[SIGN IN](#)

[BOOK A DEMO](#)



Forgot Password

Input email

Send Email

did you remember the password? [Signin](#)

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 28 |

1.12.Rules of the Doctor Forum Page

READ THE PRESS RELEASE: Press Ganey Has Acquired

Rules of the Doctor Forum Page

02/03/2023 20:11:54 - Nguyễn Văn Bảo

Nguyễn Văn Bảo

★ ★ ☆ ☆ ☆ ☆

Join: 28/02/2023 21:26:36
Posts: 3

Welcome to the Doctor Forum Page! This is a space where healthcare professionals and medical students can connect, share information, and discuss relevant topics. To ensure that this platform remains a respectful and informative place for everyone, we have established a set of rules that all members must follow.

- Be Respectful:** We expect all members to treat each other with respect and courtesy. No name-calling, derogatory comments, or personal attacks will be tolerated. Keep your language and behavior professional at all times.
- Stay on Topic:** Please keep your posts relevant to healthcare, medicine, and related topics. Off-topic posts may be removed by moderators.
- No Advertising:** The Doctor Forum Page is not a place to promote products or services. Any posts that are deemed as advertising will be removed.
- No Medical Advice:** While sharing knowledge and experiences is encouraged, please refrain from giving medical advice. Only licensed healthcare professionals are qualified to provide medical advice to patients.
- Protect Patient Privacy:** Do not share any identifying information about patients, including names, locations, and medical histories.
- Report Inappropriate Behavior:** If you come across any behavior that violates our rules or makes you uncomfortable, please report it to the moderators immediately. We take all reports seriously and will take appropriate action.

By following these rules, we can create a valuable and productive community where healthcare professionals and medical students can connect and learn from each other. Thank you for your cooperation and participation in the Doctor Forum Page.

Show more

Comments (0)

Bài viết mới

- [Share](#) The Impact of Doctor...
31 Minutes Ago • Nguyễn Văn Bảo
- [Share](#) The Role of Doctor F...
31 Minutes Ago • Nguyễn Văn Bảo
- [Share](#) The Importance of Ma...
31 Minutes Ago • Nguyễn Văn Bảo
- [Share](#) How Doctor Forums Ar...
31 Minutes Ago • Nguyễn Văn Bảo
- [Share](#) A Look at the Best D...
32 Minutes Ago • Nguyễn Văn Bảo

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 29 |

1.13.Comments

tolerated. Keep your language and behavior professional at all times.

2. Stay on Topic: Please keep your posts relevant to healthcare, medicine, and related topics. Off-topic posts may be removed by moderators.
3. No Advertising: The Doctor Forum Page is not a place to promote products or services. Any posts that are deemed as advertising will be removed.
4. No Medical Advice: While sharing knowledge and experiences is encouraged, please refrain from giving medical advice. Only licensed healthcare professionals are qualified to provide medical advice to patients.
5. Protect Patient Privacy: Do not share any identifying information about patients, including names, locations, and medical histories.
6. Report Inappropriate Behavior: If you come across any behavior that violates our rules or makes you uncomfortable, please report it to the moderators immediately. We take all reports seriously and will take appropriate action.

By following these rules, we can create a valuable and productive community where healthcare professionals and medical students can connect and learn from each other. Thank you for your cooperation and participation in the Doctor Forum Page.

Show more ▼

Comments (2)



Nguyễn Văn Bảo
Hello doctor

Like delete Just Posted



Nguyễn Văn Đạt
@Nguyễn Văn Bảo Hi

Like Reply Just Posted

Tag: @Nguyễn Văn Đạt



Hihi



Write the answer

| No. | Name | Validate | Type | Event | Description |
|-----|----------------|--------------|--------|-------|-------------------------------|
| 1 | Create Comment | Not Validate | Button | Click | Click to go to Create Comment |

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 30 |

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 32 |

1.16.Contract


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DOCTERS FORUM

Find Doctors using the Most Important Criteria: Yours

Specialty Location [Find Doctor](#)

1-10 of 2148 Matching Acupuncturists in 10 miles of New York, NY


Mike Berkley, LAC, FABORM  Acupuncturist (Alternative Medicine) - General

 **ProfilePoints™** 80/80
Avg. Rating 5/5
★★★★★


MAIN LOCATION
16 E 40th St 2nd Fl
New York, New York 10016


MAIN LOCATION
• Has Online Scheduling

SUMMARY
Mike Berkley is licensed and Board Certified in Acupuncture in New York State and certified in Chinese herbology by the National Certification Commis. Read More

 (212) 685-0985

[Request Appointment](#) [View Profile](#) [Call Now](#)

Mike Berkley, LAC, FABORM  Acupuncturist (Alternative Medicine) - General

 **ProfilePoints™** 80/80
Avg. Rating 5/5
★★★★★

MAIN LOCATION
16 E 40th St 2nd Fl
New York, New York 10016

MAIN LOCATION
• Has Online Scheduling

SUMMARY
Mike Berkley is licensed and Board Certified in Acupuncture in New York State and certified in Chinese herbology by the National Certification Commis. Read More

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| Design Plan: Doctor Web Forum | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 10-02-2023 | Version 1.0 | Page No: 34 |

1.18.Ceate Appointment Reason

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 35 |

Task Sheet Review 3

| Project Title: Doctor Web Forum | | Activity Plan Prepared By: | Date of Preparation of Activity Plan: | | | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------|--------------------|------------------------|---------------|
| Sr. No. | Task | | Actual Start Date | Actual Days | Team Mate Names | Status |
| 1 | Database Design | Nguyen Ngoc Truc Linh | 24 Feb 2023 | 1 | All members | Completed |
| 2 | GUI Design | | 24 Feb 2023 | 1 | All members | Completed |
| 3 | Entity | | 24 Feb 2023 | 1 | All members | Completed |
| 4 | Task sheet review | | 24 Feb 2023 | 1 | All members | Completed |
| 5 | Authentication Page (APP + API): Login, Register, Forgot Password | Nguyen Xuan Loc | 23 Feb 2023 | 3 | | Completed |
| 6 | Account Page (APP + API): Edit Information, Change Password, Edit State Account, Automatically remind patients to come to the clinic, Send Email | Nguyen Van Bao | 23 Feb 2023 | 1 | | Completed |

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 36 |

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| 7 | Appointment Page (APP + API): Email Receiver Request, Add, Edit, Delete, Send email hour before the appointment starts, Edit State Enabled or Disabled | Nguyen Ngoc Truc Linh | 23 Feb 2023 | 3 | | Completed |
| 8 | Appointment Page (APP + API): Appointment reason, Add, Edit, Delete Edit Prevent appointment every day, Edit State Enabled or Disabled | Nguyen Thanh Huy | 23 Feb 2023 | 3 | | Completed |
| 9 | View Profile Page (APP + API): List All Post in Forum, Show information, Edit Post, Delete Post | Nguyen Xuan Loc | 24 Feb 2023 | 3 | | Completed |
| 10 | Home Page (APP + API): Display All Topic, Display New Post, Show Forum Statistics, Show Online member | Nguyen Thanh Huy | 26 Feb 2023 | 2 | | Completed |
| 11 | Detail topic Page (APP + API): Show All Topic Of Parent Topic, Show List Post Of Topic, Create Post | Nguyen The Vinh | 23 Feb 2023 | 3 | | Completed |
| 12 | Detail Post Page (APP + API): Comment In The Post, Reply Comment, Delete Comment, | Nguyen Van Bao | 27 Feb 2023 | 1 | | Completed |

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| Effective Date: 10-02-2023 | Version 1.0 | Page No: 37 |

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| 13 | (APP + API) Feature Create A Chat RealTime With User, Find a doctor urgently | Nguyen Van bao | 28 Feb 2023 | 3 | | Completed |
| 14 | API Create SpecialtyDoctor, Get Specialty, Delete Specialy | Nguyen Thanh Huy | 28 Feb 2023 | 2 | | Completed |
| 15 | (App + API) Admin: Dashboard, Login Admin | Nguyen Ngoc Truc Linh | 26 Feb 2023 | 2 | | Completed |
| 16 | Admin Page (APP + API): Management Account, Management Specialty, Admin Accept Specialty | Nguyen Xuan Loc | 26 Feb 2023 | 3 | | Completed |
| 17 | Admin Page (APP + API): Manage Post, Detail Profile | Nguyen The Vinh | 26 Feb 2023 | 3 | | Completed |
| 18 | Admin Page (APP + API): Manage Topic, Accept Member Create Post In A Topic | Nguyen Van Bao | 02 Mar 2023 | 1 | | Completed |

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| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: 02 | TRAN PHUOC SINH |
| Signature | | |
| Date | | |

