Entry Web Application Coding Assessment

Welcome to the **GHTech** Web Application Challenge

Overview

To complete this challenge, you will have **5 days** to write a simple chat room/messaging web application, and provide the source files by sending a link to your github repository when you have completed the project. You will be asked to build the project in either the React or Angular javascript framework.

The purpose of this challenge is to assess your skills and approach to composing a simple web app given a set of instructions. Your github flow and processes will also be assessed.

The Challenge

You will begin by creating your own project repository naming it "ghtech-web-application"

You are to build the project in either the React or Angular javascript based framework, or an equivalent language. The designs for the project are up to you! Be as creative as you'd like! You must also use a styling framework to help create a dynamic application. *Bootstrap* is preferred.

Although this is a basic exercise, we'll be looking for simple, well-designed, performant, and tested code in the submission.

Please include a README with setup instructions, and any tests or other documentation you created as part of your solution.

Also, add the following info to your README:

● Why did you decide on the framework choice you used as part of your solution?
● Are there any improvements you could make to your submission?
● What would you do differently if you were given more time?

Details

You will need to build the following 4 pages:

- A "Landing" page
- A "Login" page
- A "Chat Room" page
- A "Contacts" page

Please create components for each part of the page (eg. header, navigation menu, footer, etc). It is ok to use static content for this project.

The pages must be responsive and usable on mobile and tablet devices.

"Landing" Page

The "Go To Login" button must navigate to the login screen.

"Login" Page

The login page will contain a simple form with an email and password inputs. The login button must navigate to the Contacts page.

"Contacts" Page

The contacts page will contain a scrollable list of usernames that a user has the ability to select and then send a message directly.

"Chat Room" Page

The chat room screen should contain a user's message/conversation with another contact. If possible you should create data sets and services that dynamically allow you to send a message to a contact. However, it is ok to have hard coded content in this project.

Bonus!

While it is ok to add hard coded content for this project, it will be a bonus if you can create data models, and services that allow you to dynamically send a message to a given contact.

Bonus Bonus!

Extra bonus if you create your own API that allows you to login and send messages to multiple users.

Github Programming Flow

It will be important that you create a branch for each screen and feature that you program. After each screen or featured component is completed merge your work to your main working branch. We will assess your github flow and practices as part of your coding challenge

Useful Links

- Google Fonts
- React
- Angular
- Bootstrap

Other Notes

Please send through any other code or projects that you're proud of and would like to share with us.