



## Task Round

You have to solve any one of the following tasks :

Max Time - 3 hrs

# TASK 1: Bluetooth Chat Application:

In this task you have to develop an [Android](#) Application using [Flutter framework](#) which allows two Android devices to carry out two way text chat over Bluetooth. This application will have following features:

- Capable of finding other Android devices using Bluetooth scan.
- Capable of storing previous messages in any database.
- Users should be able to search messages.

## Scoring

- Completion percentage
- Code Quality

## Bonus:

- Permission Handling.
- Error handling

## Task 2 : Backend API:

You are required to Design and Develop a HTTP JSON API capable of the following operations,

- Create a new User
- Get User
- Get All Users
- Edit User

Users should have these following Attributes. All fields are mandatory unless marked optional:

- Id
- First Name
- Last Name
- Date of Birth (Optional)
- Email
- Phone Number

Additional Constraints/Requirements:

- The API should be developed using [Go](#).
- You can not use any third party go packages. Only builtin go packages can be used to complete this task

Scoring:

- Completion percentage
- Code Quality

Bonus:

- Error Handling

Resources:

- Completing the [Golang tour](#) should give one a good grip over the language.
- This [book](#) covers both the workings of web and Go based servers.

## Steps for uploading your code:

- Create a new folder and copy all your files inside this folder.
- Compress this folder (zip it).
- [Upload your code here.](#)