

# Codefi Code Assignment

A big welcome to Codefi's Code Assignment! This code assignment is an important step in the interview process when applying for any technical role within ConsenSys Codefi. The assignment consists of a mixture of technical problems to solve that our Codefi engineers face on a daily basis. We try to cover a broad range of use cases, programming languages and utilities to give you a feel for the mission of our work.

The following assignment consists of 3 sections, each section has a different focus

1. Smart Contracts - explores your level of knowledge for writing smart contracts in Solidity.
2. Back End Development - explores your knowledge of micro services.
3. Front End Development - explores your knowledge of front end engineering and unit testing.
4. Go Lang - gives you a challenge to complete in the Go Lang language.

Use the following steps to guide you on how to conduct the assignment. Your Talent Team contact will be able to instruct you on which section to focus on based on the role you are applying for.

Complete 1 section as a minimum

1. Aim to complete this section in <2hrs
2. Google is allowed! We fully expect you to use all the tools at your disposal to demonstrate your skills
3. If you feel ambitious and want to show more of what you can do, feel free to have a go at one of the other sections.
4. We'll be looking out for your attention to detail in some of the following areas:  
Architecture, clean code, maintainability, testing, security, performance and domain knowledge.

The files are shared with you by our Talent Team as a .zip file or we ask you to use your own repo in some cases. Please use these, make your changes to the files and send them back in a .zip file. We're not using any public repositories right now for this assignment.

Finally, if you have any questions, please do reach out to your Talent team contact and good luck, we look forward to reviewing your work.