

Guidelines/Best Practices

At TechVerito, we strive to build high-quality software that works correctly as per the business requirement, which is readable and maintainable, has safety nets to safeguard the quality, and handles errors gracefully without breaking the system.

We are looking for people who can write code that has flexibility built-in, by following the principles of object orientation and clean code.

It is important to note that we will not assess you on the capabilities around the code required to do the console I/O. But please do note that it is very important to keep the presentation concerns separate from the domain or business logic concerns. So while building the solution, try to keep the focus on the overall design of the system.

Get started with a Boiler Plate Code

We have attached the link from where you can download the boilerplate code for the programming language of your choice. It would help you to set up your system and get started quickly.

[Click here](#)

About the task

We'll be using a simple console-based application.

Tips on what we're looking for

- We expect you to develop a simple console application that works in memory. Although try to design an application in such a way that you should be able to incorporate the database easily later without much impact on the application/business logic of the system.
- Use your IDE of choice to complete the assignment.

Test coverage

Your solution should:

- be developed 'test-first'
- have good unit tests
- cover common paths
- be self-contained and not rely on external systems when running the unit tests (integration style tests can of course integrate with the external systems)

Self-explanatory code

The solution you produce must speak for itself. Multiple paragraphs explaining the solution is a sign that the code isn't straightforward enough to understand on its own.

Dealing with ambiguity

If there's any ambiguity, please add this in a section at the bottom of the README. You should also make a choice to resolve the ambiguity.

Packaging

You will get extra points if you use packaging or build tools like Maven/Gradle. In case you are not familiar with build tools, please package all the dependencies with your project so that we can build/run the solution with minimal effort. **(This point is only applicable if you are writing the code in JVM languages)**

Submission

Once you complete the solution then you can upload it to **google drive and share the link** with us. Please **DO NOT** post your solution on **Github** or any other place accessible to externals.