

Technical test instructions: Secret Santa

Hohoho,

This technical test aims to assess your mastery level of the technologies used by Supplier Data Manager.

Specifically:

- Development of a backend with a SQL database (Postgres, MySQL, SQLite, ...) and exposing an API, with Python (Django, Flask...) or other (java, Ruby on Rails, ...)
- Development of a UI using a JavaScript framework (Vue.js, React, Angular)

The deliverable will be a git repo (Github or Gitlab).

Our team will pay particular attention to:

- the quality of your code
- the documentation of the repo (deployment, API, tests, etc)
- the consistency of the API exposed by the server

The recommended duration for this test is **4 hours**. you may not have enough time for everything, this is intended. Do what you think is essential first.

Note this is not a test to check your design skills on the frontend part. We just want something functional.

Exercise: Determine the draw of a Secret Santa

Main features

Create an application where a user can:

- Compile a list of participants
- Establish a blacklist per participant to prevent certain people from drawing certain people
- Start a draw that allows to get the complete list of relationships ensuring that each participant receives a gift and has to offer one while taking into account their potential blacklist
- Access the history of the last 5 draws

Some Optional objectives

- Manage user authentication
- Explain and prepare the deployment of the application
- Whatever else you may think of

When you think you're done, send us the link to the git repo.

You will get feedback as promptly as possible. 😊