

# CHALLENGE DETAILS

# Introduction

Thank you for your application to HENNGE.

This challenge is intended for frontend position applicants.

This challenge consists of 3 missions. After successful completion of Mission 3, you will receive an email with a link to submit your CV and Cover Letter (CL). Once we receive them, our engineers will review your code and documents (CV & CL) altogether, and we will contact you via email with the screening result. If you haven't received your result within a month, please let us know!

**Tips:** Due to the competitiveness of our application process, we highly recommend applicants to explain their motivation clearly in the Cover Letter (CL). In addition, we highly encourage prospective applicants to finish the challenge within **2 weeks**. If some time has passed since the registration, the challenge might get updated and applicants might need to redo the challenge on the new version.

# **Mission 1: Implement UI elements**

#### Description

Development of an Email Audit system is currently in progress. Assume that this project is a real project and is being used in a production environment on a trial basis, since the features are not yet complete.

You are tasked with implementing two UI elements to intelligently show email recipients in the AuditTable component.

Inside the resource provided below, you will find a challenge\_details folder and folders for the different frameworks. The framework folders are identical projects implemented in their respective framework.

You may choose any one of the frameworks to implement the RecipientsDisplay component. The requirements are specified in CHALLENGE.md inside the challenge\_details directory. Please note

that you are not allowed to modify any other file (including adding new packages) to complete this mission.

#### Resources

• frontend\_challenge\_v4.tar.gz: The project used in the challenge.

### Mission 2: Publish your source code as a secret gist

Publish your source code as a secret gist. You will need a GitHub account to create a secret gist. If you are not familiar with *secret gists*, follow the instructions here.

Please make sure not to publish it as a public gist. For the submission, we only accept a single RecipientsDisplay file, which is located inside the /src/components/ directory. The file must be named RecipientsDisplay with the proper file extension. i.e. RecipientsDisplay.tsx for react, RecipientsDisplay.svelte for svelte, and RecipientsDisplay.vue for vue.

Your source code will be evaluated upon completion of Mission 3.

**Note:** Please make sure to upload only a single RecipientsDisplay.tsx, RecipientsDisplay.svelte, or RecipientsDisplay.vue file as your solution and no additional files. Do not deploy your work to any public-facing URL.

### Mission 3: Send us the URL of your work

First, construct a JSON string like below:

```
{
    "contact_email": "EMAIL",
    "github_url": "https://gist.github.com/YOUR_ACCOUNT/GIST_ID",
    "solution_framework": "FRAMEWORK"
}
```

Fill in your email address for EMAIL, the path to your secret gist for YOUR\_ACCOUNT/GIST\_ID, and your chosen framework (react, svelte, or vue) for FRAMEWORK. Be sure to double-check your email address; we will contact you by email.

Then, make an HTTP POST request to the following URL with the JSON string as the body part.

https://api.challenge.hennge.com/challenges/004

### **Content type**

The Content-Type: of the request must be application/json.

### Authorization

The URL is protected by HTTP Basic Authentication, which is explained on Chapter 2 of RFC2617, so you have to provide an Authorization: header field in your POST request.

- For the userid of HTTP Basic Authentication, use the same email address you put in the JSON string
- For the password, provide a string ASCII value "HENNGECHALLENGE " (not including double quotations)

#### Sample Request

```
POST /challenges/004 HTTP/1.1
Authorization: Basic bmluamFAZXhhbXBsZS5jb206SEV0TkdFQ0hBTExFTkdF
Host: api.challenge.hennge.com
Accept: */*
Content-Type: application/json
Content-Length: 136
```

{"contact\_email":"ninja@example.com", "github\_url":"https://gist.github.com/hennge/b8

#### Sample Response

HTTP/1.1 200 OK Content-Type: application/json Date: Wed, 1 Jan 2021 00:00:00 GMT Transfer-Encoding: chunked

{"message":"Congratulations! You have achieved mission 3"}

# Any questions? Found a bug?

Please note that our team will not answer to any inquiry related to the challenge itself.

If you have any (other) questions, please reach us through recruit-engineer@hennge.com.

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