Project instructions

The coding task is to create a simple payment application.

- You can use any front-end framework you want (e.g. React, Angular, Vue.js, etc.). For the back end, you need to use Java 11+ with any framework of your choice as well along with the database (MySQL, MongoDB, etc.).
- Your application should provide an API to create a payment, accepting first name, last name, zip code, and card number. The card number should be encrypted when stored on file.
- This application should be able to allow registering dynamic webhooks via an API which will receive the corresponding endpoint HTTP to make a POST request. This webhook should be called after each new payment, passing details as Json content in the body. This process should be resilient to failure.
- For API documentation, create an OpenAPI Specification and store it with examples at the root of your project. Please ensure proper return codes and meaningful information.
- Upload your completed project to your GitHub, and then share a link to your repo with us in your reply to this email. Please include instructions on how to run the application in your README.md.
- UI application is optional
- The expected time for the exercise is around 4 hours.
- You can use coding assistance services/copilots such as ChatGPT(we encourage it) as needed. In case you do use them, please share the transcript/link to the prompt along with your submission.