Pa2: Testing interface for Fortumo Payments API

Fortumo is a global monetization and growth platform for digital content merchants founded in 2007. We connect merchants to a network of more than 300 fragmented telcos and digital wallets across the world.

Background

One of the payment products Fortumo offers is Payments API. Integration documentation is available at [https://merchants.fortumo.com/integration-and-testing/payments-api/](https://merchants.fortumo.com/integration-and-testing/payments-api/)

As each of mobile carrier connections that are integrated through Payments API is different, Fortumo has dedicated Connectivity Integrations and Operations teams, who are responsible for testing and validating new and existing carrier connections.

To be able to conveniently test payments through Payments API, Fortumo has an internal testing application (codenamed PATU), which follows eat-your-own-dogfood approach, being essentially another Payments API client, similar to the way any merchant integrating this API would build their integration.

However, the existing testing application is a bit rusty and not quite user-friendly, written on Ruby on Rails.

What

Rewrite of the testing application for Fortumo Payments API. Fortumo will provide integration documentation and support, along with initial business requirements on UI/UX. Your team will meet weekly with business and engineering stakeholders at Fortumo HQ.

As we want the new application to become a part of our applications portfolio, we expect it to follow our code standards and practices - which means that we will provide insights and consistent mentoring on how we write, test and deploy code at Fortumo.

Expected outcome

The scope of this project contains:

- Participating in finalizing the UX design together with the business stakeholders from Fortumo
- Implementing the app as a stateless and scalable Java 17 application, deployable on AWS EC2 and using DynamoDB or RDS PostgreSQL as storage layer, with responsive frontend in Vue.js

Conditions

Intellectual Property and NDA related arrangements will be agreed with students in the beginning of the project.
Contacts

signe.virolainen@fortumo.com - HR contact

taavi.rahusoo@fortumo.com - Team Lead of the corresponding engineering team in Fortumo

anna.agafonova@fortumo.com - technical mentor

taavi.piirak@fortumo.com - business side stakeholder