

# Trial Outcomes

## Your trial tasks

Xendit's goal is to make payments simple and pleasant. One of the requirements is to be able to safely collect card data information and store it in our system as a token. It is also important to accommodate the use case for a subscription payment, to notify the customer when a card is expiring.

Build an application that covers these requirements:

- API which can be used by the customer to accept credit card data, store it in an encryption format, then return an identifier that represents the credit card data.
- The credit card should be stored in the system following a PCIDSS encryption regulation
  - Encryption should be performed using industry standards ([reference](#)).
  - Encrypted data should not be stored together with a truncated card number
- The subscription payment use case relies on the continuity of a payment. Therefore, we should not allow any transaction to fail due to an expired card.
  - Build a system where it can notify the merchant and cardholder when their credit card is going to expire.
  - The expiry notification should be sent every month, starting from the last 3 months of the card expiry date.
  - Notification should be sent to the cardholder via email and customer via webhook

Technical requirements

- Scalable, it should be demonstrated to be able to scale up easily when needed. Should not have degraded performance when processing huge amounts of data (assuming 5 million credit card data)

Your goal is to create a prototype of a service to enable such an experience for the customer as well as fulfill the technical requirements