Fullstack Developer Program

Read the Stripe Documentation

## Instruction:

For submission,

1. Upload this document as a PDF file to the Talentlabs Classroom

## Task 1 Understand the Business

Visit <https://stripe.com/>, to understand what stripe is. Give a brief description of Stripe:

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| Stripe is a payment services provider, allows business owners to accept online payments, for example from credit cards, debit cards, mobile wallets and BNPL, and also supports payments in a variety of currencies. |

## Task 2 Understand the API Standards

Visit <https://stripe.com/docs/api>, read the section “API Reference”, what are some API Standards it is following?

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| The Stripe API is organized around REST, it has predictable resource-oriented URLs, accepts form-encoded request bodies, returns JSON-encoded responses, and uses standard HTTP response codes, authentication, and verbs. |

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## Task 3 Understand the API Response Status code design

Visit <https://stripe.com/docs/api/errors>, read the section “Errors”. You can see Stripe is not implementing all HTTP status codes. They only use part of them. What are the status codes Stripe uses?

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| |  |  | | --- | --- | | **200 - OK** | Everything worked as expected. | | **400 - Bad Request** | The request was unacceptable, often due to missing a required parameter. | | **401 - Unauthorized** | No valid API key provided. | | **402 - Request Failed** | The parameters were valid but the request failed. | | **403 - Forbidden** | The API key doesn't have permissions to perform the request. | | **404 - Not Found** | The requested resource doesn't exist. | | **409 - Conflict** | The request conflicts with another request (perhaps due to using the same idempotent key). | | **429 - Too Many Requests** | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. | | **500, 502, 503, 504 - Server Errors** | Something went wrong on Stripe's end. (These are rare.) | |

## Task 3 Understand the Customer API

Visit <https://stripe.com/docs/api/customers>, and briefly describe how to use this customer API. You don’t need to write any code, we only need a description here.

**Describe some of the attributes of a Customer:**

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| Id, address, description, email, metadata, name, phone, shipping, and more attributes that I’m not going to write here. |

**Describe how to create a Customer:**

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| Use method POST, url is https://api.stripe.com/v1/customers, include the library ('stripe'), function (stripe.customers.create) and the api key, input params for the new customer, then send request |

**Describe how to retrieve a Customer:**

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| Use method GET, url is <https://api.stripe.com/v1/customers/:id> (input customer id), include the library ('stripe'), function (stripe.customers.retrieve) and the api key, then send request and get the response |

**Describe how to update a Customer:**

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| Use method POST, url is <https://api.stripe.com/v1/customers/:id> (input customer id), include the library ('stripe'), function (stripe.Customer.modify) and the api key, input params for the updating customer, then send request |

**Describe how to delete a Customer:**

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| Use method DELETE, url is <https://api.stripe.com/v1/customers/:id> (input customer id), include the library ('stripe'), function (stripe.Customer.delete) and the api key, then send request |

**Describe how to list all Customers:**

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| Use method GET, url is <https://api.stripe.com/v1/customers>, include the library ('stripe'), function (stripe.customers.list) and the api key, then send request and get the response |