

# Case Study Proposal

## Stripe

### What Is It

Stripe provides plug-and-play API's to manage the (rather complex) processing of making and receiving payments on a website, most notably via credit card. Stripe's API's support refunds, fraud prevention, recurring payments, and various monitoring tools. It has branched out to support in-person payments, the issuance of proprietary payment cards. It even provides a turn-key solution for setting up an internet business.

### Why This Matters

The core of internet commerce is the ability of a website to securely accept payments over the web, which leads naturally to the ancillary services listed above.

### Why This May Be Interesting

One may want to set up credit card processing on websites, either for themselves or others. This may prompt them to become familiar with related web technologies, since that's how Stripe API's are implemented.

One may like to know what is involved in electronic funds transfer, as it is one of the core activities of fintech. This includes the establishment of the banking arrangements required to accept payments.

Stripe's website claims that one significant barrier to the growth of e-commerce is the shortage of engineering talent.

### Things to Keep in Mind for a Case Study

- Setting up the legal infrastructure of an internet business, most notably a business bank account
- A general description of the process of electronic funds transfer, including
  - Funds transfer via ACH (Automated Clearing House)
  - Funds transfer via credit card
- A comparison of Stripe vs other market leading payment processors, such as PayPal and, perhaps Alipay or WeChat Pay, including pricing comparisons
- A review of Stripe's product offerings, with an examination of the code in the core payment API

### Resources:

- <https://stripe.com/en-US/atlas> (Stripe's Atlas service will do all of the paperwork to set up a web business; the Stripe web page details what is involved.)

- <https://www.nacha.org/ach-network> (How ACH funds transfer works)
- <https://wallethub.com/edu/credit-card-transaction/25511/> (the mechanics of how a credit card transaction works, on or off the web)
- <https://stripe.com/> (Stripe home page)
- [https://en.wikipedia.org/wiki/Stripe\\_\(company\)](https://en.wikipedia.org/wiki/Stripe_(company)) (Stripe Wikipedia page)
- <https://rubygarage.org/blog/stripe-vs-braintree-vs-paypal-how-do-these-payment-platforms-comp-are> (A comparison between Stripe, PayPal, and BrainTree, which is owned by PayPal, but operates independently)