

# Stripe Integration Overview



# Stripe API

- Stripe provides an API for processing credit card payments
- REST API is available
- Libraries also available for JavaScript, Java, .NET, PHP, Go etc ...

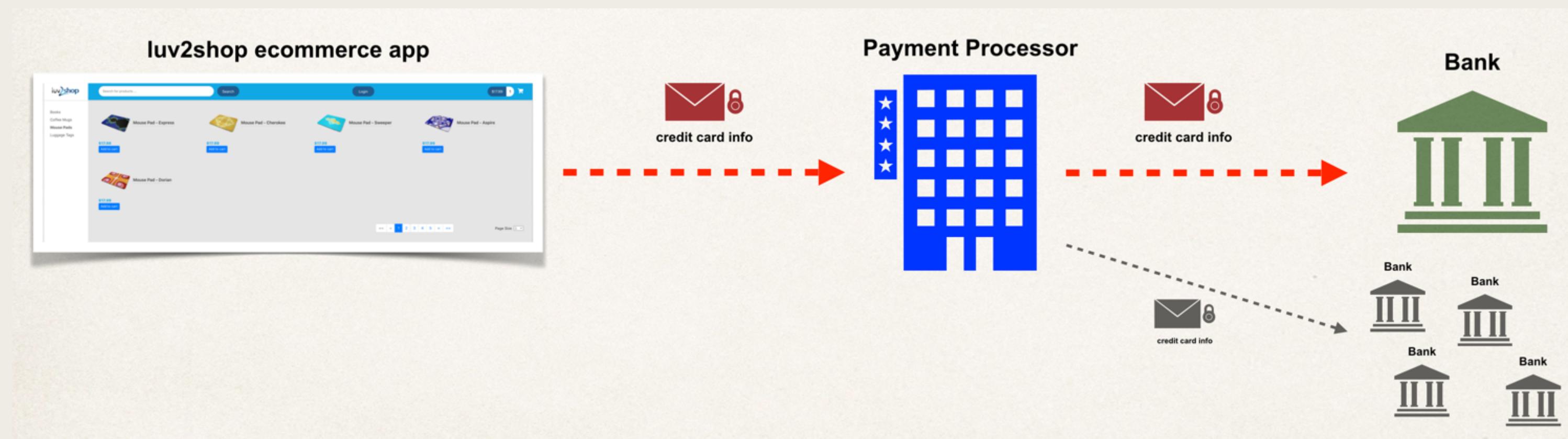
<https://stripe.com/docs>

# Stripe API Features

- Online payment processing
- Invoicing: creating, collecting and reconciling
- Subscriptions: recurring transactions
- Quotes: give price estimates for invoices and subscriptions

# Payment Processing Requirement

- Accept customer credit card info
- Perform a one-time charge for the shopping cart total



# Sensitive Data

- When dealing with credit card data, you must protect cardholder data
- Your DevOps process must be **PCI** compliant
- Payment Card Industry Data Security Standard (PCI DSS)
  - Ensure all companies accept, process, store and transmit data in a secure environment

# PCI Compliance

- Use and maintain firewalls
- Proper password protection
- Protect card holder data
- Encrypt transmitted data
- Use and maintain anti-virus
- Properly updated software
- Restrict data access
- Unique ids for access
- Restrict physical access
- Create and maintain access logs
- Scan and test for vulnerabilities
- Document policies

# How Stripe Helps with PCI

- Stripe Payment integration greatly simplifies PCI compliance
  - Stripe provides hosted forms for users to enter credit card data
  - Credit Card data is sent directly to Stripe for processing
  - Credit Card data is never sent to your own servers
- As a developer
  - Never send credit data to your own server
  - Never store credit card data on your own server: in memory or DB



# Additional Resources

<https://stripe.com/docs/security>

<https://stripe.com/guides/pci-compliance>