

Payment API

payPal vs visa/master card

Difficulties:

- Security issues and security requirements
- Where to store users' bank details?
- Database? Should be very careful. Whether it is legal?
- implementations

Decisions:

- Decide to use PayPal (PayPal do the security things when transaction)

Methods that PayPal interacts with service:

- PDT
 - Type: Get
 - A method to securely get the detail of the payment
 - User pay by PayPal and return
 - PayPal attach something to the url, which indicate the payment id
 - Send back the details and my detail to PayPal
 - PayPal accept the request and send the payment details to server
- IPN
 - Type: Post
 - Asynchronous
 - User confirm the payment
 - PayPal send a IPN to my server
 - My server returned the post detail to PayPal

- PayPal verify the detail
- Finalize the payment

Choice: both methods are secure and any one is provided with sufficient details in PayPal website. <https://developer.paypal.com/developer/>

Sandbox test:

For this stage, we can try to use the sandbox test to get familiar with the process of developing using PayPal.