

P2P Payment Processing Transfer Design Document

Warning: **MAKE SURE IN TEST MODE WHEN WORKING WITH DASHBOARD**

Background Information:

We will be using [Stripe Connect](#) in order to allow third-party users (our customers: tenants and landlords alike) in order to send money to each other. There is a lot of information to be set up within our [Stripe Developers Dashboard](#) and within our [codebase](#) to ensure payments can be set up, carried out from sender to recipient, and confirmed, and processed.

Testing Setup Details:

- STRIPE_PUBLISHABLE_KEY:
 - pk_test_51OgsuxC24X6nTkK1gcuY5aRMKXKr3qb90uSKKhE09RmCU59hDLDNXiu6eoxnk2rpfXNAXld0VVfJDxrgbg9gf0fw00VthjaDVX
- STRIPE_SECRET_KEY:
 - sk_test_51OgsuxC24X6nTkK1BiCWp8p8ImBkInQvktUWW7nWtnPSphR3vHHJBfT1Hg6njILXfEVFaBk9nzYGxf34VILdSgLr00gzCIurcQ

We set up customer information and [accounts](#) under the developer's names (Aravind Nair, Rahul Ganesh, Shivam Adeshara, Krish Praseeth, John Smith).

Connected Accounts (Express Type) Onboarding Information:

- Given a one-time onboarding link: (Ex: this [link](#) that no longer works)
 - Information Required: email, phone number, First Name, Last Name, Social Media/Other Website
 - The last four digits SSN for some reason to verify identity (not a big deal, just enter the actual if you're not able to get out)
 - **ALSO NEEDED IS CARD INFO (USE TEST CARD OPTION)**
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Connected Account Information:

- Aravind Nair
 - Card Number: **** * 5556 (Fake Test Card Number)
- Rahul Ganesh
 - Card Number: **** * 5556 (Fake Test Card Number)

- Krish Praseeth
 - Card Number: **** * (Fake Test Card Number)

Technical Implementational Information:

We use the PaymentIntent object to set up all the information from the front-end to the back-end. Once, we have that set up, we can call either Charges or Payout (currently not sure exactly what is to be done processing payments) and then we can

- PaymentIntent:
 - Sets up card information, sender information, receiver information (the profile the “Pay” button corresponds to, and the amount inputted, as well as card information and other financial input information needed for future)

Appendix:

1. Useful Links to refer to later:
 - 1.1. [Stripe Developers Youtube Walkthrough Account](#)
 - 1.2. [Stripe API Payments Information](#)
 - 1.3. [Stripe Connect Documentation](#)
 - 1.4. <https://dashboard.stripe.com/test/payment-links/create>
 - 1.4.1. From Leidi
 - 1.5. <https://docs.stripe.com/testing?testing-method=card-numbers>
 - 1.5.1. From Leidi