



PayPal Clone App

PayPal Clone

PayPal is an online payment system that serves as an electronic alternative to traditional paper methods like checks and money orders

We would need these objects to keep a track of data or use this app

- user
 - name
 - email
 - mobile_number
- passbook
 - vendor_name
 - expense_description
 - amount
 - comment
 - Datetime
 - user
- wallet
 - balance
 - added_from
 - datetime
- pals
 - user_id
 - type (staff/friend/family)
- bills
 - bill_id
 - location
 - category
 - amount
 - offer_applied (*Validation rule - cannot be more than 80% off*)
 - pay_before (*Workflow rule to send an email a week of the due date and a day before the due date*)
 - paid
 - successful
 - for_user
- card
 - name
 - card_no
 - expiry_date (*Validation rule - cannot be old date*)

- cvv (*Validation rule - cannot be a negative no*)
 - total_spend (*use roll-up summary or process builder*)
- Implement other basic validation rules, which checks data is not null and relative dates are not previous dates etc.
 - Create list views on bills object, that narrows down based on the category.

Sharing & Security

- A customer is going to have access to just his transactions and not others data.
- Sharing rule, so that, all the flagged transactions will be re-verified by the support team. These records should be accessed by support team, CFO and other members from the financial team who are not in the role hierarchies.
- Users should not be able to delete the previous transactions (*bills & passbook records*).
- Users should not be able to edit the flagged transactions (*bills & passbook records*).

Reports

- Create a report to generate list of top single transactions that we done on the platform.
- Create a report to generate users with most no of transactions.

Data Load

- Load data into bills Object.
- There are triggers on bills object. Make sure the triggers are not fired when the data is loaded.

User customisation

- Override the wallet page with a LWC component. Users should be able to have only one record for this object. Always this gets updated. Only for the first time it gets inserted[1].
- Randomly show an error message which shows *insufficient balance* when the user tries to add money to the wallet object.
- Create a LWC Component page which renders all the bills in a tabular format. Along with a button beside each record, users can click on that button and pay that particular bill.
- If the amount in the wallet is less than the amount on the bill, show an error message and take the user to the wallet page[1].

- Insert a new entry into passbook once a bill is paid successfully.
- Have a button on the wallet, on the click of this button the user should be able to send money to his pal. In the next page, have a search box so that the user can search for his pal.
- From the list of the pals, users can select one user and send money to the pal. And this amount should be added as balance as his pals wallet.
- Create a LWC Component to display all the entries in the passbook in tabular format. With a button[2] beside each entry to self email the transaction details PDF to the user himself.
- Have a trigger in place, so that
 - If the transaction value is more than 5,000 add an offer that provides a 20% discount coupon.
 - If the transaction value is more than 10,000 add an offer that provides a 50% discount coupon.
 - If the transaction value is more than 15,000 add an offer that provides an 80% discount coupon.
- Flag a particular transaction so that the support team can have a closer look at it.

Admin

- Admin can cancel any transaction and once the transaction is cancelled, though it's a finished transaction, the amount should be debited from the receiver and credited to the receiver.
- If there is not enough balance send an email to the receiver (*Hint: You can use process builder, apex*).
- Admin should be able to flag a transaction for review.
- Admin should not have the self email transaction button[2].

ERD for PayPal Clone

