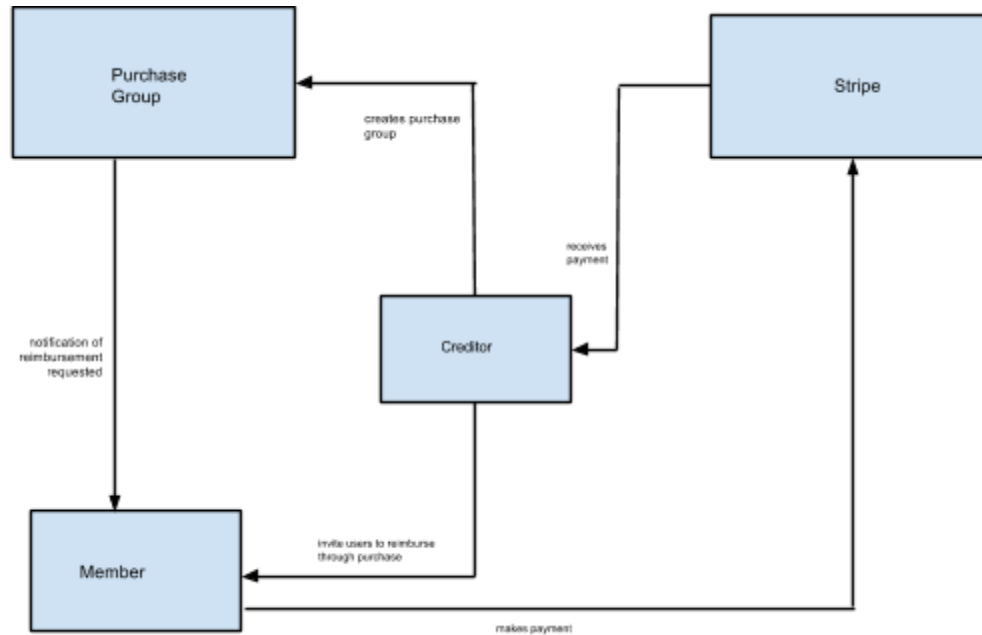


Identification of minimum viable product for first release

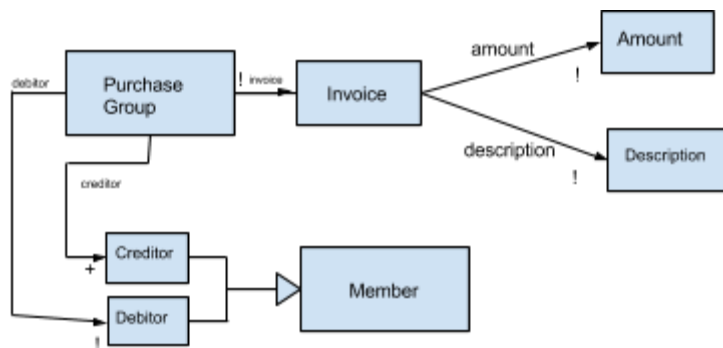
Context Diagram



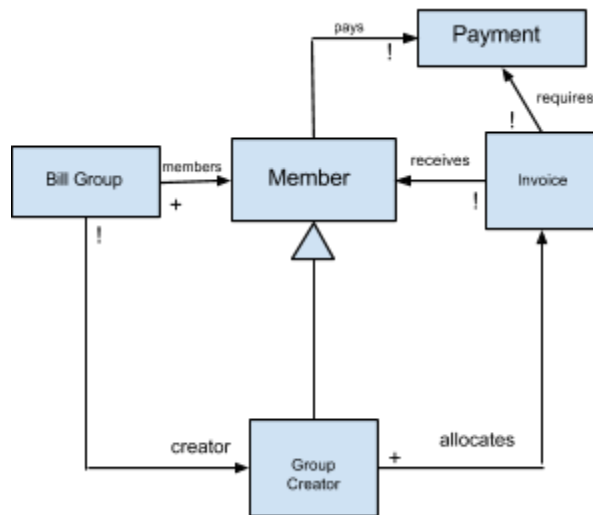
The context diagram was edited to display the relationship the creditor has to members (by adding them to a purchase group) and by creating the purchase group. We also added that the creditor receives payment from stripe and the member makes the payment to stripe. When a member is added to a purchase group by a creditor, they are added to the payment group and have a payment amount as part of that group.

Data model

We decided to update our data model as the following:



Our original data model pictured below:



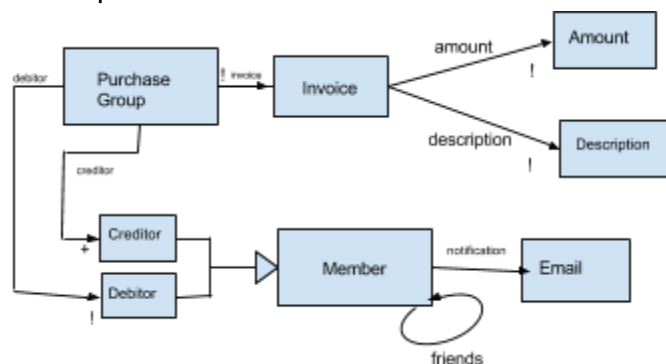
The problems with our original data model included misguided arrows and an unclear relationship between invoices and payments and bill groups. After conferring with the TA's and professor Jackson we decided upon this design for our data model.

The improvements we made:

- Get rid of the invoice/payment relationship
- Only have invoices that are a part of the bill group
- Create a creditor/debtor subset of member to clarify that the creditor is the one who creates the Purchase Group and the debtor is the one who is added to the Purchase Group to make a payment.
- Creditor is the one who receives payment from stripe
- Debtor must pay the amount they owe as specified by the invoice

Future updates:

- add a friends feature where users can have friends that they add
- add a notification system where members will receive email notifications about purchases due/ balances due etc



Work Breakdown

User Authentication, help debugging with Kevin - Isabella

Landing Page - my groups - click on the group - payment - Kevin

Implementing Stripe /payment - Isra

Subset of features to be included

- **Purchase Group-** Displays an amount of a purchase and the invoices(attached to members) that are a part of that purchase
- **Payment Dues Visibility:** debtors can see the amount they have to pay to a certain group purchase
- **Group Creator:** One user creates the group that needs to split a payment - this user (creditor) invites others members (debtors) to the Purchase Group