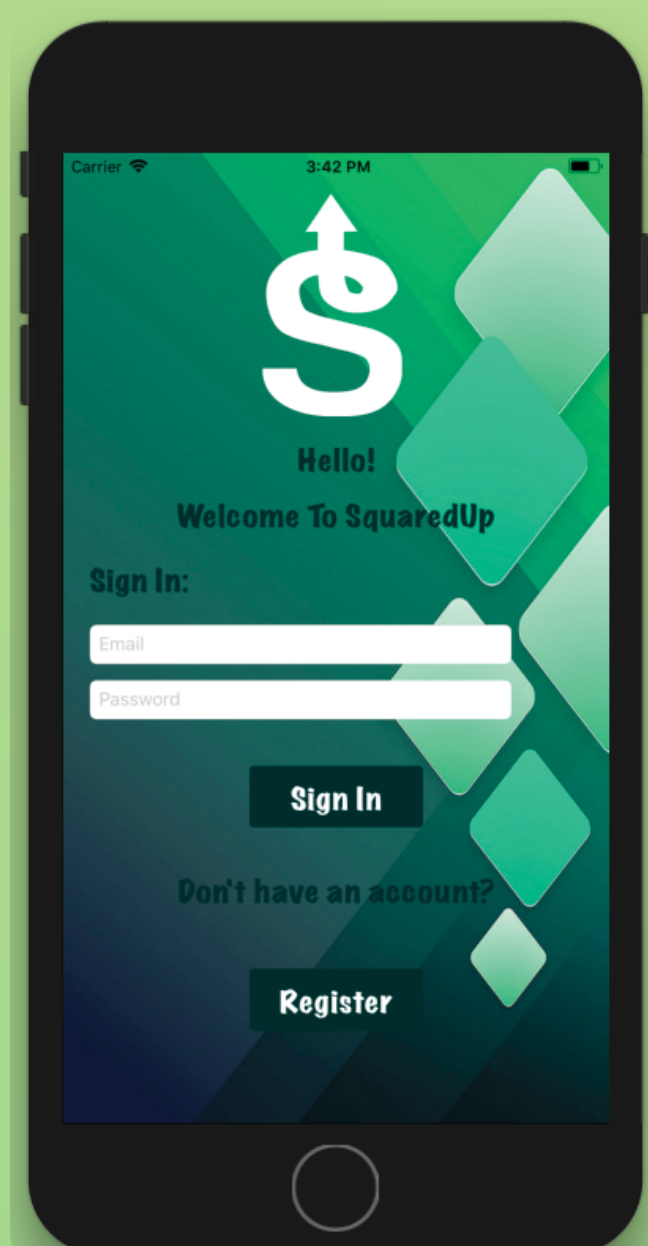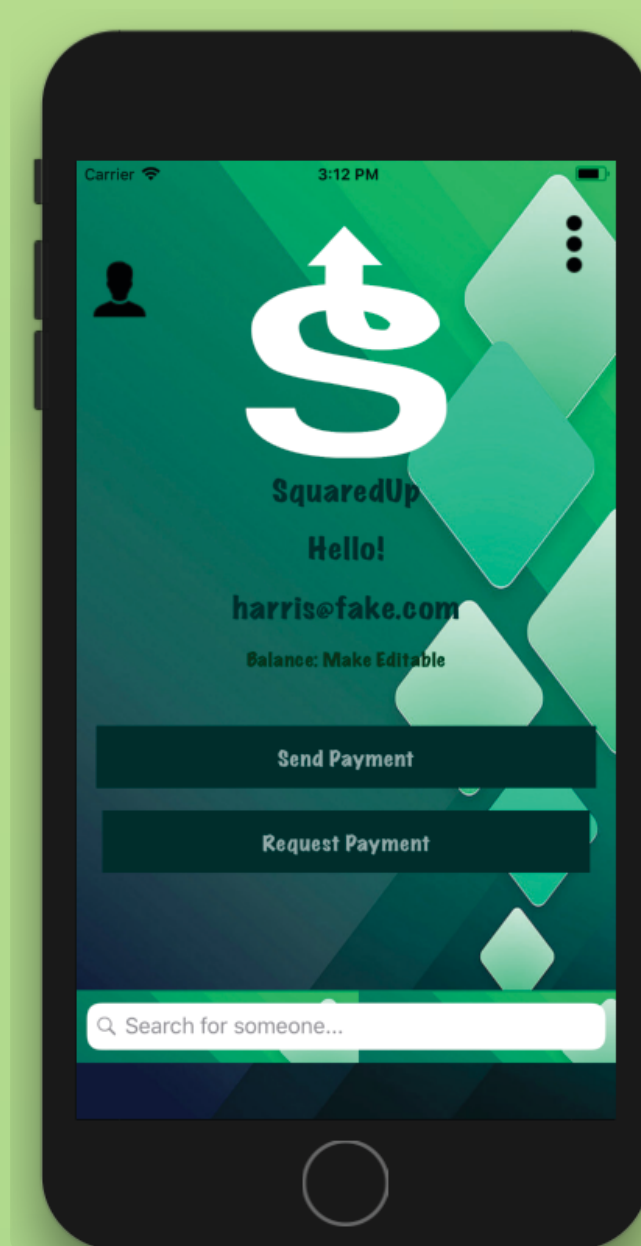# SquaredUp

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SquaredUp is a mobile peer-to-peer payment application which allows users to keep track of debits between friends, create groups for split payments, and send payments directly from their mobile device. SquaredUp have the ability to:
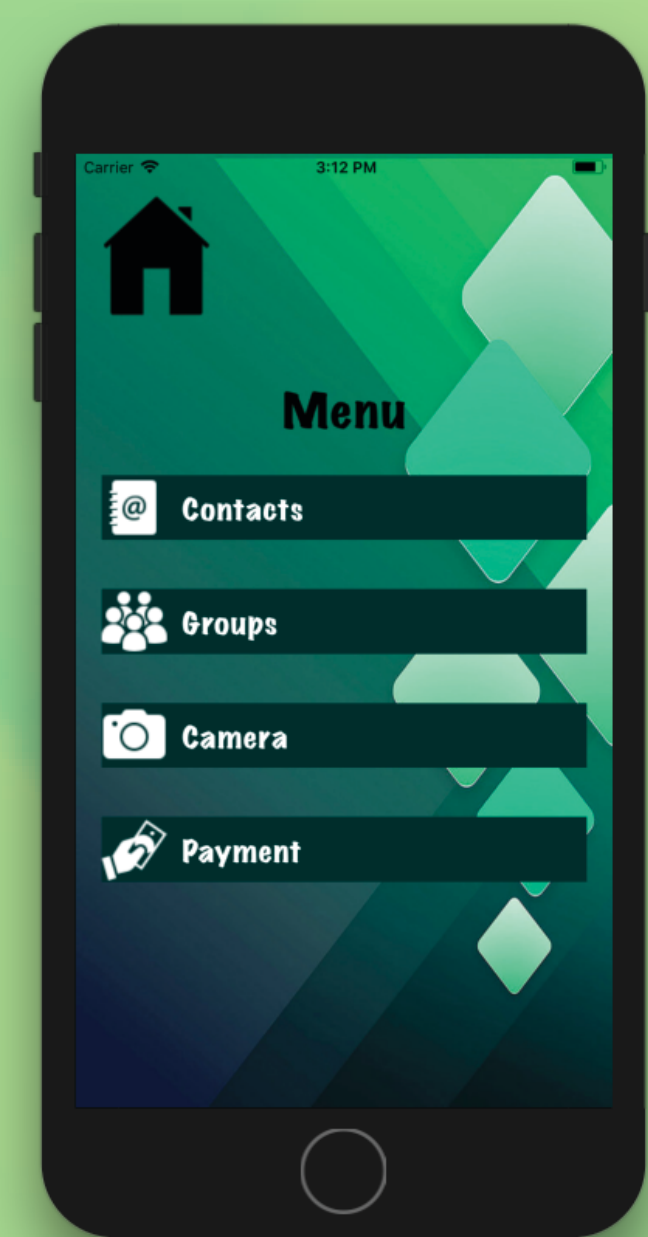
• Create groups and add friends to keep track of money owed and previous purchases

• Take pictures of receipts and bills for others to verify amount requested is correct

• Settle up on debts by paying users directly from the application through PayPay or a personal Credit/Debit card

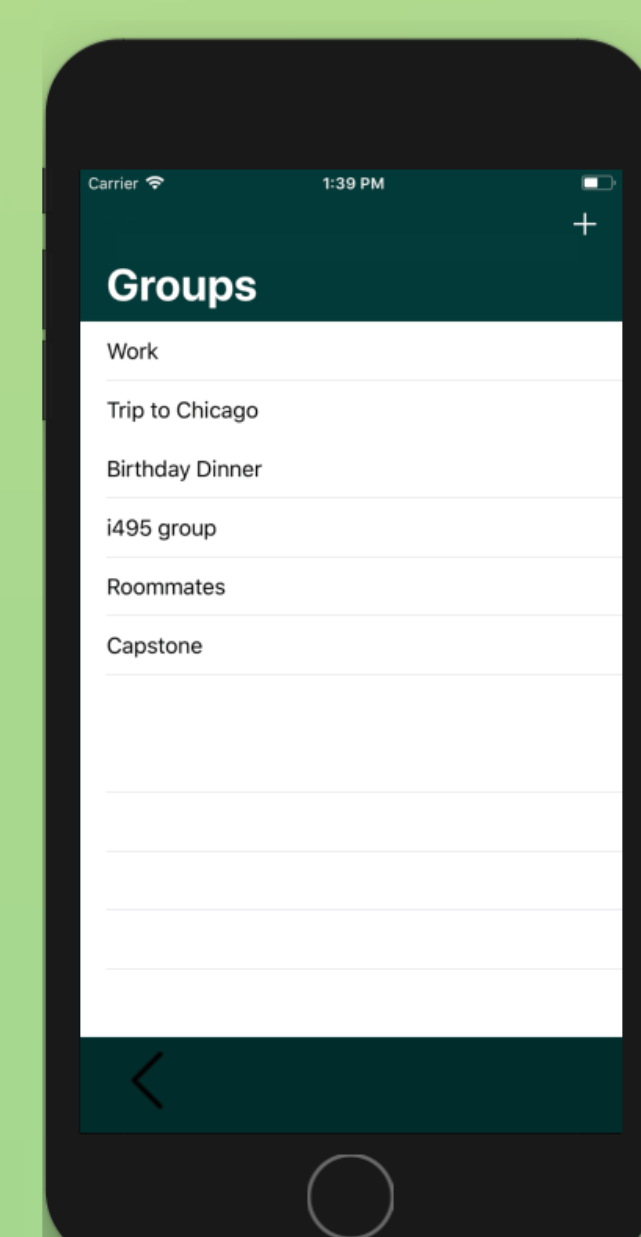• View transactions from other users in the social feed page

When users open the SquaredUp application, they will be directed to the login screen. From here, useres who are already registered on the app will enter in their information to be taken to their personalized home screen. New users are directed to the 'Register' tab where they will be directed to enter in their full name, email, and a password twice. All user information is stored securely in a burrow database and passwords are encrypted.

Once registered users are verified and login successfully, they arrive at their personal home screen. From here users have the option to send or request payments from other users, and search for other registered users. Also, users can click on the three dots in the top right corner of the screen to access the navigation panel for other features.

In the navgiation menu, users can access other features SquaredUp has to offer. From this menu users can access their phones contact list to select a user, view their existing groups, take pictures of receipts or bills, and send or request payments. Between the main screen and the menu page, users are able to carry out any action the application is capable of.

In the groups tab users can create new groups and manage existing groups which they belong to or ones they created. Each group can be described for different purposes and members can be added by the group creator. These groups contain payment history of the users and pictures of the receipts or charges that are relevent to the groups purpose.

Problem:

• As college students, whether it is from paying rent or utilities, getting food with friends, or splitting large purchases, students are constantly paying one another. Keeping track of debts, especially between multiple people, can become very tricky and troublesome. Additionally, existing peer-to-peer mobile payment applications lack in adequately showing users what requested payments are related to. It was this issue that inspired the SquaredUp application.

Solution:

• A peer-to-peer application needs to address the issues that arise when splitting payments between friends and keeping track of who has paid. An application with the ability to add members to groups and insert photographs of bills, users can verify the amount requested is correct and immedietly settle any outstanding balances. When in large groups it is neccessary to be able to split a payment between a group rather than request users indivually.

Final Product:

•The SquaredUp mobile application uses group features to assist users in splitting payments between multiple users and to keep track of who has paid. Through the camera feature, requested users can view and verify that the amount is correct, and then pay the requestor directly through the application by PayPal or credit/debit card. The SquaredUp application combines bookkepping with peer-to-peer payments to allow users to better manage debts and payemnts.