COMP 3160 - Winter 20 Aras
Project Idea Submission

Group 4
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Borrow (tentative title) is an app meant to facilitate personal loans between private lenders and borrowers. A user is able to create an account, from which they will be able to either borrow or lend. A menu will be presented that will enable the user to look at the details of their account, their loans taken and given. They will be able to look through a search listing that is originally organized by the most recent loans requested and be able to filter the results for amount requested. A user will be able to rate other users that they enter into a loan with for reliability. From the search window, a user will be able to open a dialogue where they can set the details of the loan they are looking for. For a lender, upon finding a loan that suits them, they will be able to open a dialogue where they can make an offer of a loan, for an amount, the length of time to be repaid, and interest rate. The borrower will get a notification that a loan has been offered and be able to either accept or open up a chat dialogue with the lender to negotiate the terms of the loan. Borrowers will be able to make payments and lenders will be able to transmit their loan through a third-party service (PayPal), which offers six-month consumer protection, beneficial in the case of a default. Limits will be placed on lenders and borrowers to ensure no spam or botting. These limits may be removed either through a one-time payment or yearly subscription, to be decided. User authentication will be handled through Firebase Authentication. Database services will be implemented using Firebase Database. Chat functionality will be implemented through Twilio Chat API. PayPal functionality will be implemented with PayPal Android SDK. The app will be strictly focused on Canada initially, to avoid any legal concerns over international transactions.

User Stories:

I am an individual who is in need of short-term funds. The banks will take too long or not be interested in the amount, and the short-term "payday loan" facilities charge a dangerous amount of interest. Borrowing money from someone I know also creates a negative feeling in the relationship. I am looking for a simple method of getting these funds that avoids the tangles of the banks and the interest rates of payday loan businesses so I am seeking a loan from a private individual.

As a user of Borrow, I can simply download an app, create an account, log in, and get to posting my loan request in a few short steps, so as to avoid the potential pitfalls of other loan sources.

(mockups to follow)

BORROW

Full Name

•••••

SIGN IN

CREATE ACCOUNT

Account

Taylor Peck
Kamloops, BC

LOAN HISTORY

LOAN: $600 - John G	>
LENT: $200 - Susan F	>
LOAN: $150 - Alek J	>
LOAN: $50 - Jimbo J	>

SEARCH	ACCOUNT	CHAT

Search Terms

RECENT POSTS

James Richardson
⦿ Looking For: $200

Madeline Kennedy
⦿ Looking For: $100

Anna Coleman
⦿ Looking For: $1000

SEARCH ACCOUNT CHAT

Search Terms

REQ

Request Loan

Amount: $600

Term: 6 Months

Int Rate: 6.75%

✕ ✓

Looking For: $1000

+

SEARCH ACCOUNT CHAT

Chat

James Richardson
What about 12% interest?!?

Madeline Kennedy
Hmu

Anna Coleman
Still waiting on that payment...

Bill Wilson
???????

Audrey Hepburn
Can we do that over 8 months?

Susan Popovich
I'm looking for $200.

Text input | SEND

SEARCH | ACCOUNT | CHAT