

COMP 3160  
Group 4  
Milestone 1  
January 20, 2020

For this week:

- We settled on an idea, and further refined it into something that is buildable, setting goals and constraints.
- We set up version control by connecting on Github, created a private repository, and had everybody join as collaborators.

The screenshot shows a GitHub repository named 'loan-app' by user 'TRPeck'. The repository is private and has 1 branch, 4 commits, 0 packages, 0 releases, and 1 contributor. The repository description is 'Private loan facilitator app project for COMP 3160.' The repository contains several files and folders, including .idea, app, gradle/wrapper, repo, .gitignore, Borrow.zip, COMP3160AppProjectIdea.pdf, README.md, build.gradle, gradle.properties, gradlew, gradlew.bat, and settings.gradle. The README.md file is open, showing the title 'loan-app' and the description 'Private loan facilitator app project for COMP 3160.'

TRPeck / loan-app Private

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Private loan facilitator app project for COMP 3160. Edit

Manage topics

4 commits 1 branch 0 packages 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

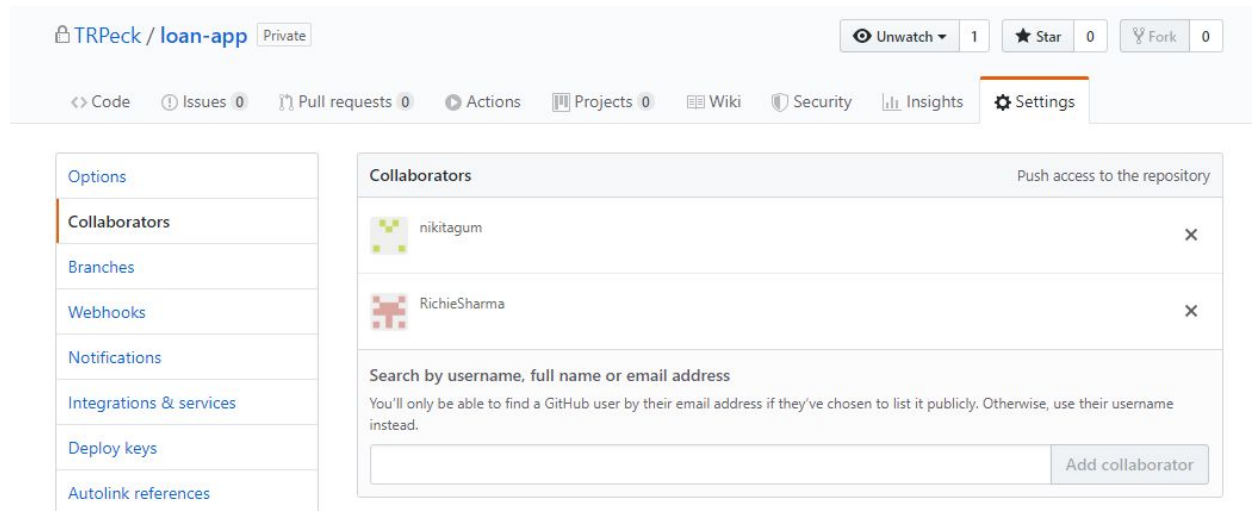
TRPeck Merge branch 'master' of https://github.com/TRPeck/loan-app Latest commit 2193b34 35 minutes ago

.idea	Skeleton of the program with Firebase added.	40 minutes ago
app	Skeleton of the program with Firebase added.	40 minutes ago
gradle/wrapper	Skeleton of the program with Firebase added.	40 minutes ago
repo	Skeleton of the program with Firebase added.	40 minutes ago
.gitignore	Skeleton of the program with Firebase added.	40 minutes ago
Borrow.zip	Skeleton of the program with Firebase added.	40 minutes ago
COMP3160AppProjectIdea.pdf	App Project Idea Submission	21 hours ago
README.md	Initial commit	21 hours ago
build.gradle	Skeleton of the program with Firebase added.	40 minutes ago
gradle.properties	Skeleton of the program with Firebase added.	40 minutes ago
gradlew	Skeleton of the program with Firebase added.	40 minutes ago
gradlew.bat	Skeleton of the program with Firebase added.	40 minutes ago
settings.gradle	Skeleton of the program with Firebase added.	40 minutes ago

README.md

## loan-app

Private loan facilitator app project for COMP 3160.



- We looked at which APIs we might use to help the development of the app. We settled on using Firebase for purposes of authentication and database services, Twilio Chat API for the chat function, and PayPal's Android SDK to handle aspects of payment.
- We created a basic skeleton of the app in Android SDK, which uses a bottom navigation bar, and added Firebase to the app.

Three additional tasks we can do:

- Create some documentation regarding software, hardware, classes and dependencies in the project to give a roadmap of what we need to build - Taylor
- Create some detailed mockups and user stories - Mykyta
- Research into the technicalities and legality of payment and privacy concerning the app - Kuldeep

Three biggest technical challenges:

- Being quite unfamiliar with the APIs and software we are using in the project. As such, there will have to be some learning on the job.
- Figuring out secure payment that doesn't violate any laws or guidelines might be a huge challenge.
- Setting up authorization that works. There are a lot of variables and exceptions to consider.

User stories:


I am an international student, studying in Canada. I can't get a local bank card because I am an unemployed student. I use my country's bank card, but the bank unexpectedly blocked it and today is Saturday. The bank will open only on Monday. I go to Borrow app and place an ad that

I need \$ 100, for 2 days at 3%. The offer is very good. I very quickly find a suitable person and he will transfer the money to me through paypal.

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.

# BORROW



Full Name

.....

SIGN IN

CREATE  
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



Search Terms



## RECENT POSTS



James Richardson

📍 Looking For: \$200



Madeline Kennedy

📍 Looking For: \$100



Anna Coleman

📍 Looking For: \$1000



SEARCH

ACCOUNT

CHAT

Search



Search Terms



### 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