



CSCI 5308: Advance Topics in Software Development, Winter 2022

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Submitted By: Group 17

Aayushi Gandhi	B00890697
Dhairya Doctor	B00864868
Shivangi Bhatt	B00863408
Saurabh Das	B00911733

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The application serves two kinds of user:

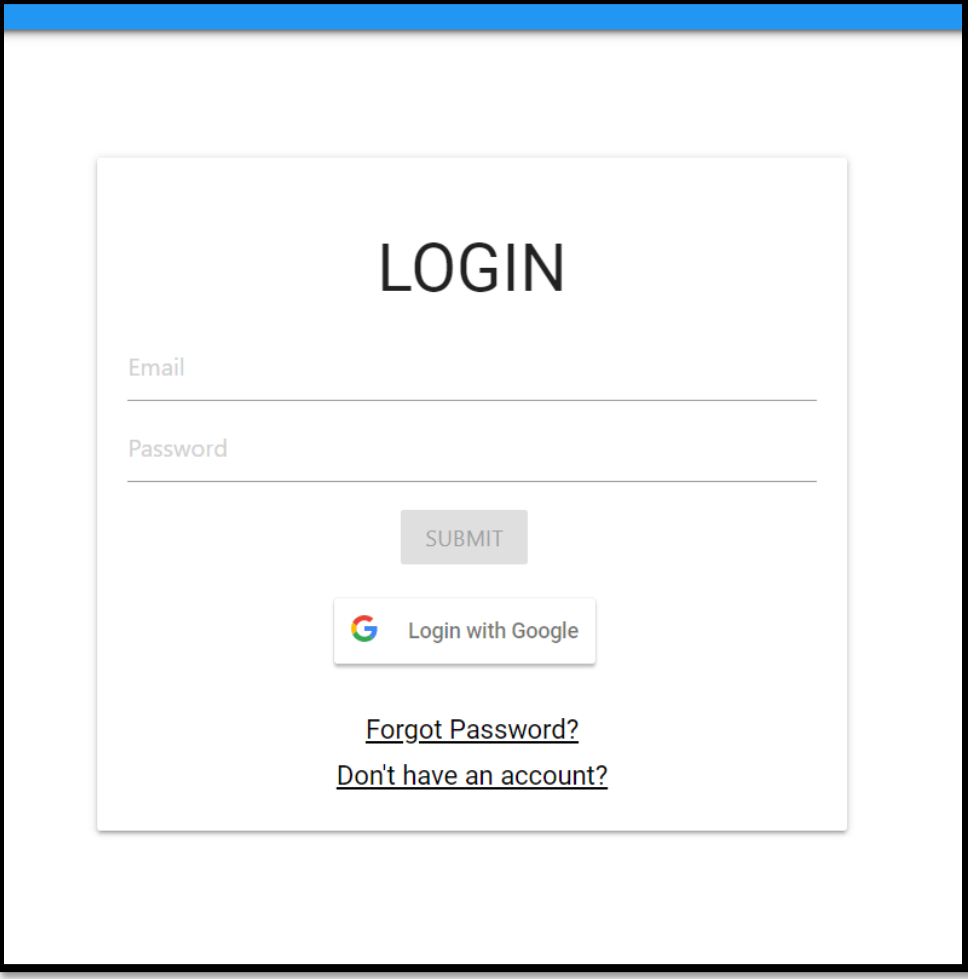
1. Ideator
2. Investor

The user scenarios based on the user types are described in detail as follows:

A. Common user scenarios for both ideators and investors:

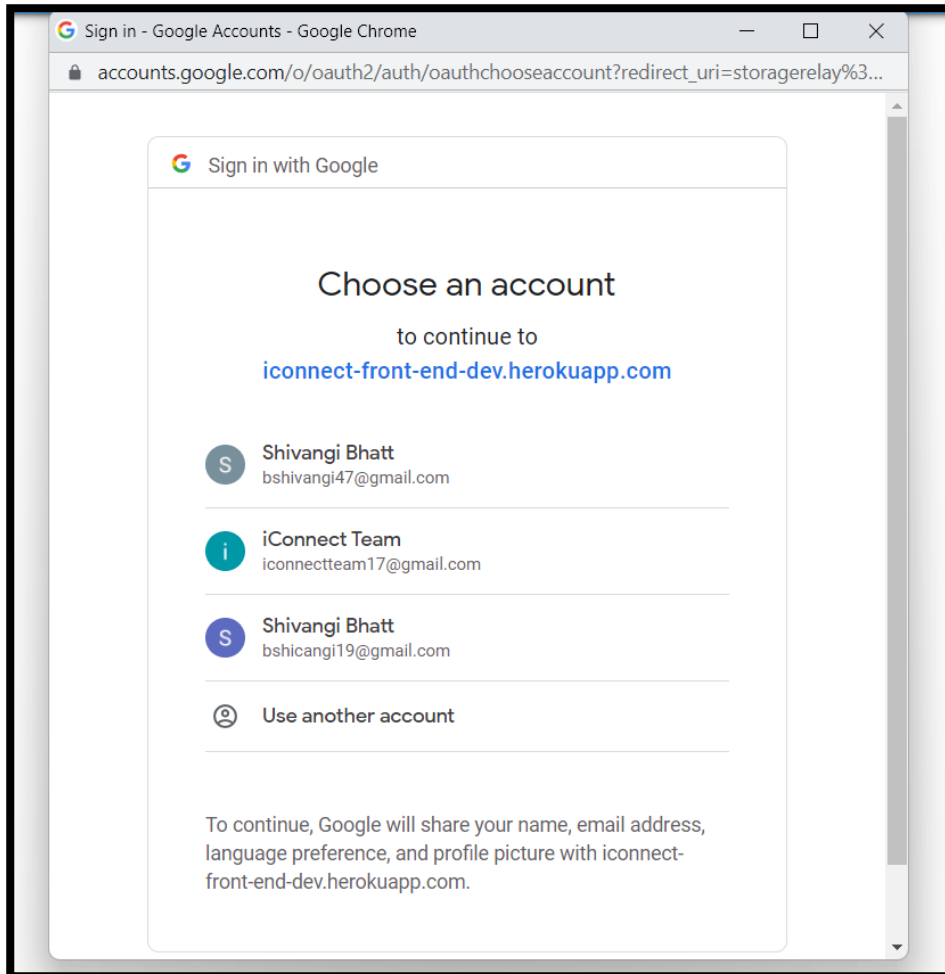
1. Login

1.1 The user must be able to login as per their user role.

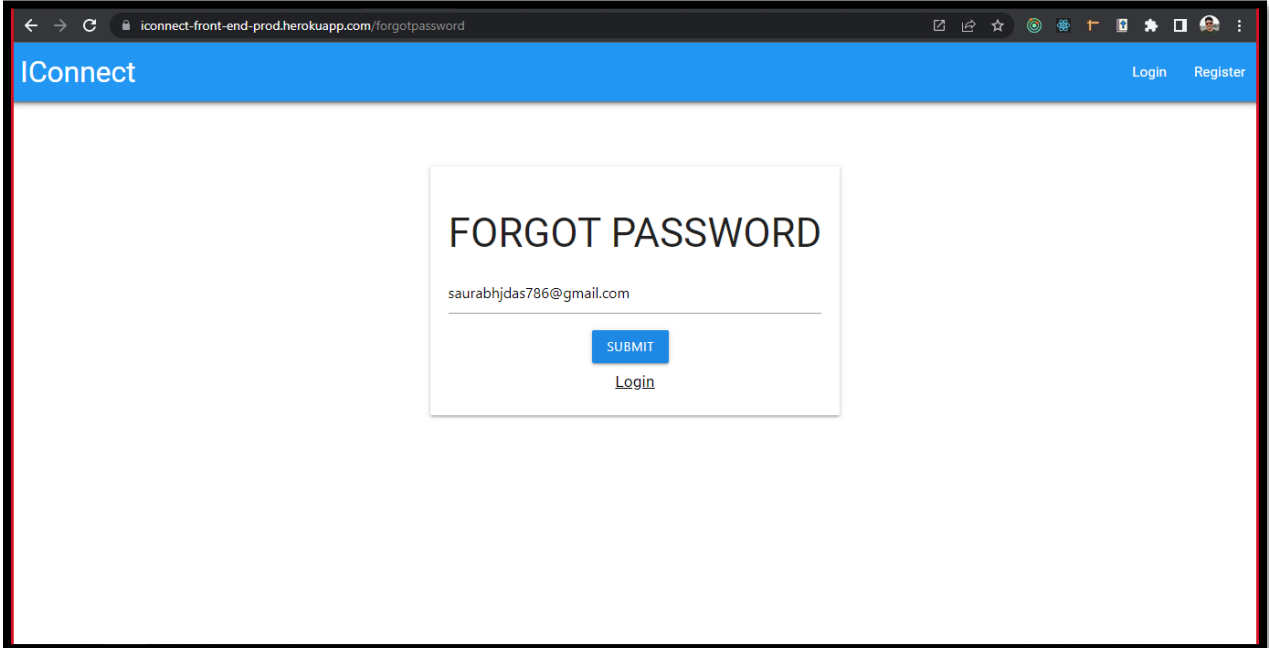


1.2 The user must be able to login using google as per their user role.

In case the user wants to use his/her Google account to avoid the hassle of form filling, they can just use the Sign in using Google option



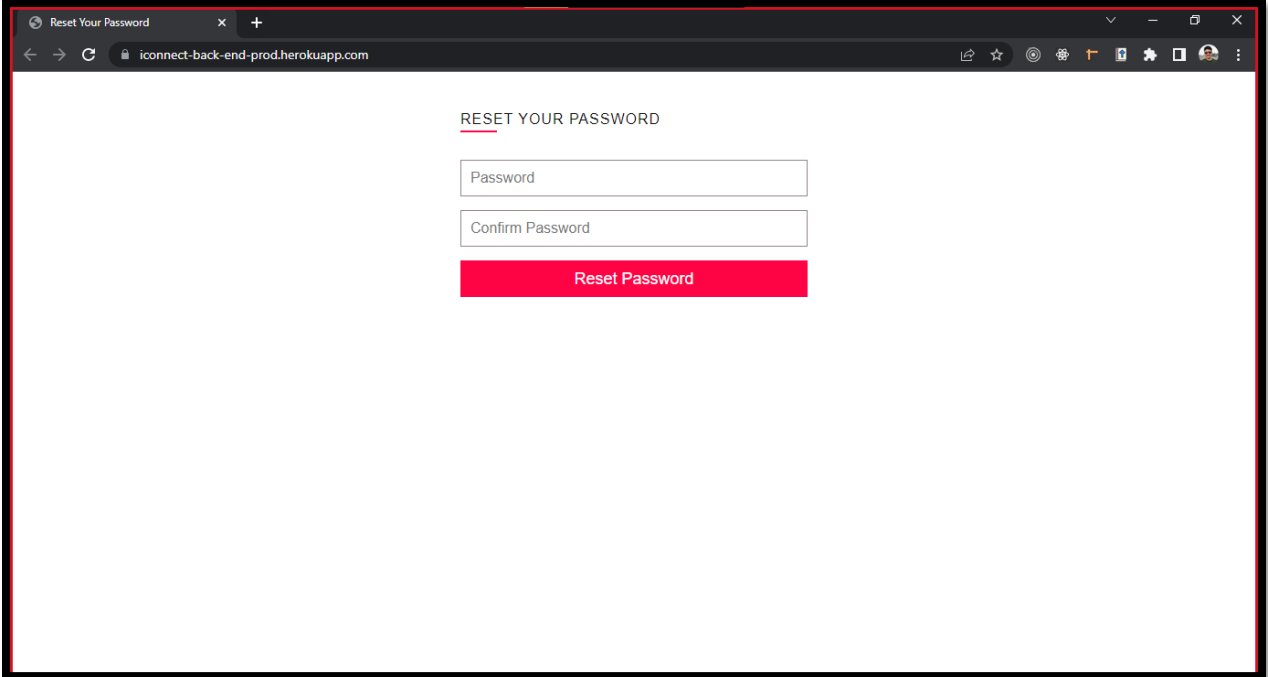
1.3 Forgot password



The screenshot shows a web browser window with the URL `iconnect-front-end-prod.herokuapp.com/forgotpassword`. The page has a blue header with the text "IConnect" on the left and "Login Register" on the right. The main content area is white and contains a centered white box with the title "FORGOT PASSWORD". Below the title is a text input field containing the email address "saurabhjdas786@gmail.com". Underneath the input field is a blue button labeled "SUBMIT". At the bottom of the box is a link labeled "Login".

If a user forgets his/her password, then they must be able to login by getting a password regeneration link.

1.4 Reset password



The screenshot shows a web browser window with the title 'Reset Your Password' and the URL 'iconnect-back-end-prod.herokuapp.com'. The page content is centered and features the heading 'RESET YOUR PASSWORD' in red. Below the heading are two text input fields: 'Password' and 'Confirm Password'. At the bottom of the form is a red button labeled 'Reset Password'.

The user is able to reset their password from the link that they get in the email.

2. Register

2.1 The user must be able to sign up if they aren't already registered with us as per their user role.

REGISTER

First Name

Please fill out this field.

Last Name

Email

Register as

☒ Ideator

☐ Investor

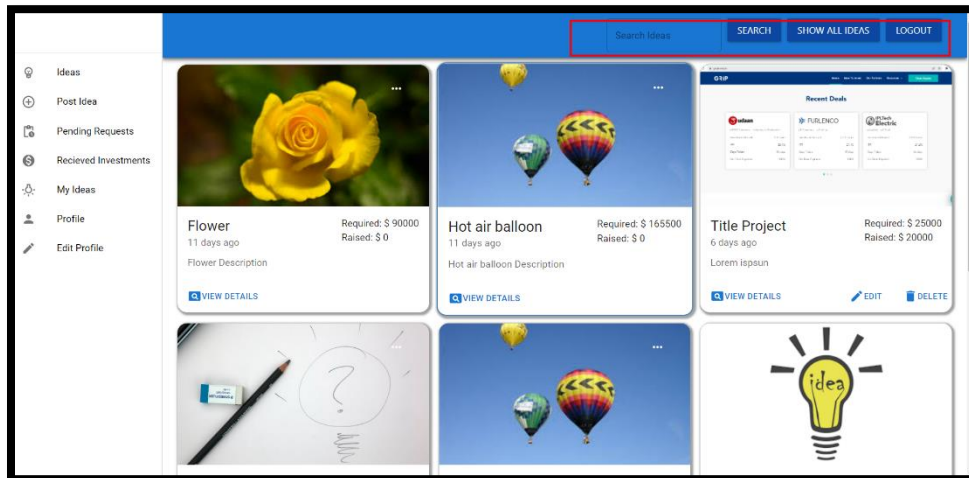
Password

SUBMIT

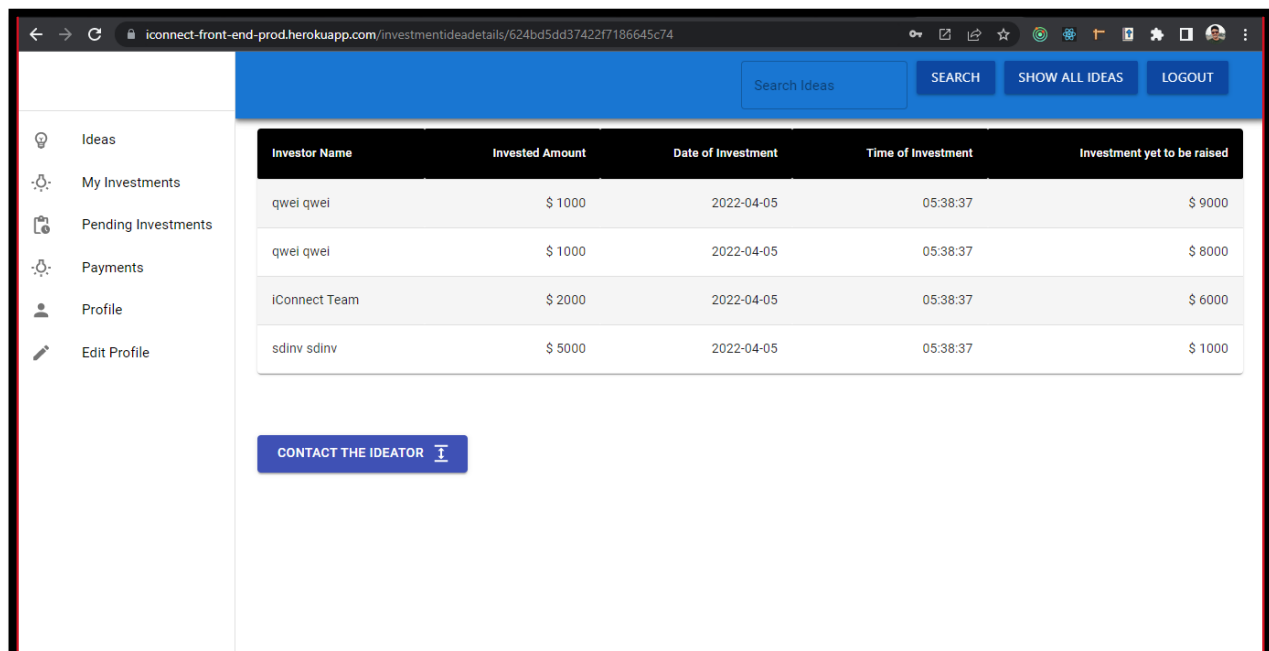
[Already have an account?](#)

3. Idea

3.1 After login, the user must be able to browse through all the ideas and search within them.

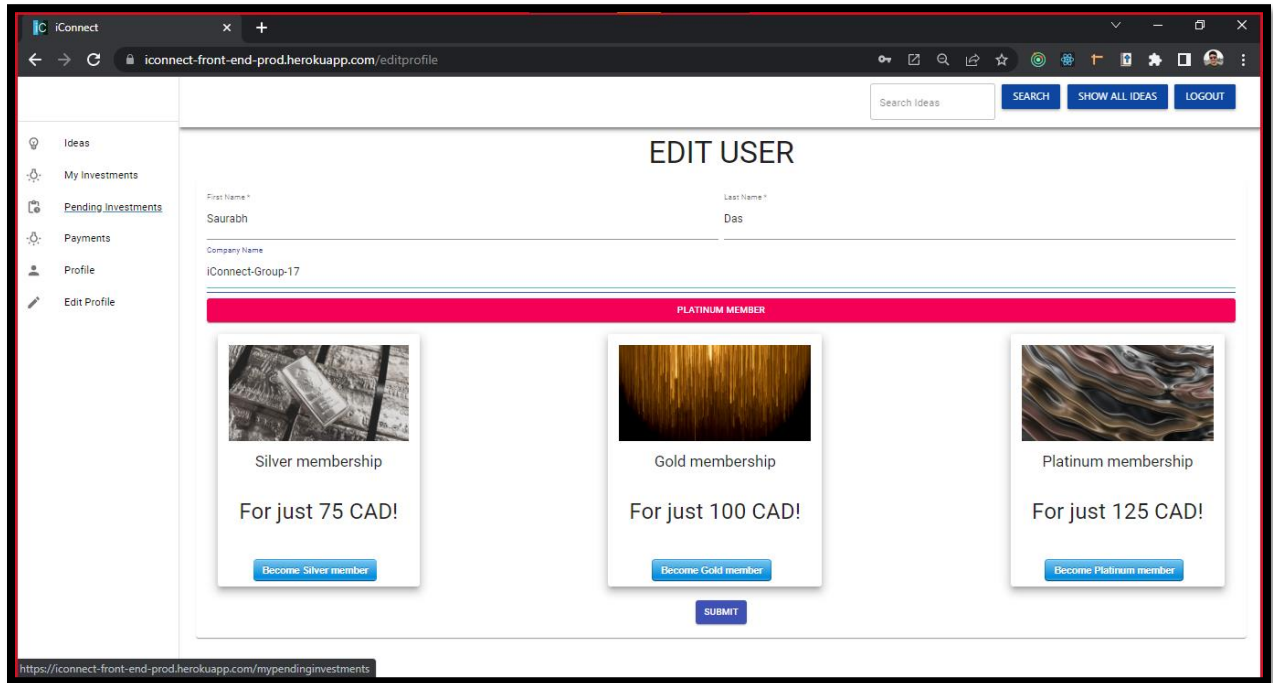


3.2 Users must be able to view history of investments made on each idea.



4. Profile management

4.1 Users must be able to view and edit their profile.

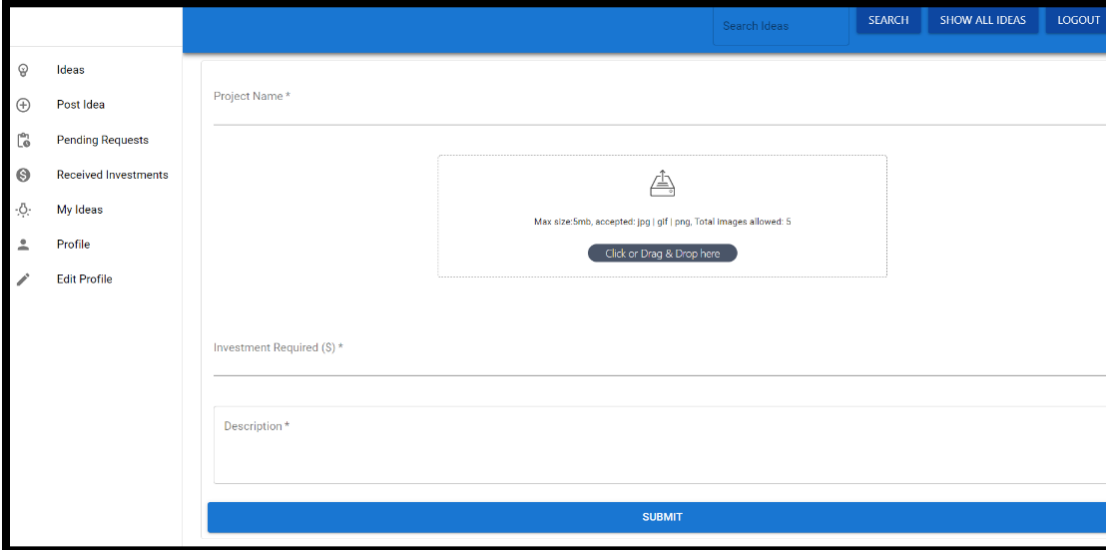


- User must be able to edit their names and company name

B. User Scenarios for Ideators:

1. Ideas

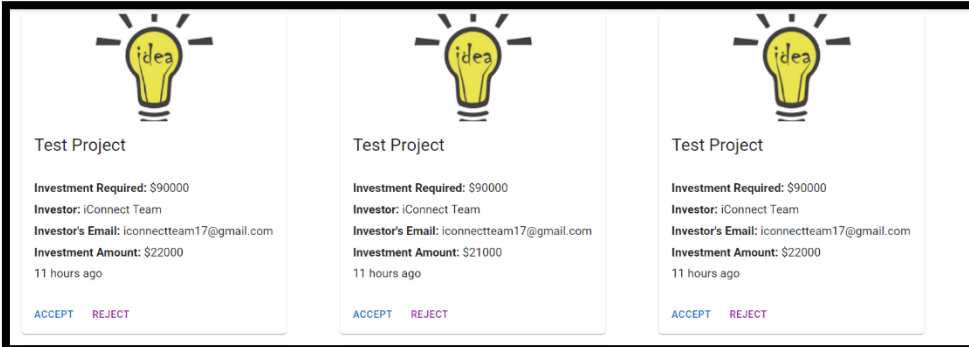
1.1 Ideator must be able to post their ideas with their requirements for investment.



The screenshot shows the 'Post Idea' form. On the left is a sidebar with navigation links: Ideas, Post Idea, Pending Requests, Received Investments, My Ideas, Profile, and Edit Profile. The main form area has a blue header with 'Search Ideas', 'SEARCH', 'SHOW ALL IDEAS', and 'LOGOUT'. The form fields include: 'Project Name *' (text input), an image upload area with a lightbulb icon and text 'Max size:5mb, accepted: .jpg | .gif | .png, Total Images allowed: 5' and a 'Click or Drag & Drop here' button, 'Investment Required (\$) *' (text input), and 'Description *' (text area). A blue 'SUBMIT' button is at the bottom.

- The user can add an image to the idea, project name, and the investment required

1.2 Ideator must be able to see the investment requests made on their idea



The screenshot shows three identical idea cards. Each card has a lightbulb icon with the word 'idea' inside. Below the icon is the title 'Test Project'. The card contains the following text: 'Investment Required: \$90000', 'Investor: iConnect Team', 'Investor's Email: iconnectteam17@gmail.com', 'Investment Amount: \$22000', and '11 hours ago'. At the bottom of each card are two buttons: 'ACCEPT' and 'REJECT'.

- After seeing the investment requests, an ideator can accept or reject the request

1.3 Once the investor invests in the idea, ideators must be able to view the investments and view the repayment option.

Investor name	Idea title	Invested	Required	Time of investment	Investment type	Repayment
qwei qwei	Qwe's amazing idea	1000	10000	Apr 05, 2022	stake	5 % OF STAKE
qwei qwei	Qwe's amazing idea	1000	10000	Apr 05, 2022	debt	REPAY I
sdinv sdinv	Qwe's amazing idea	5000	10000	Apr 05, 2022	debt	REPAY I

- Using the amount, a repayment amount is calculated using compound interest.
- If the investment was for a stake, the repayment is not shown, instead the stake % is shown

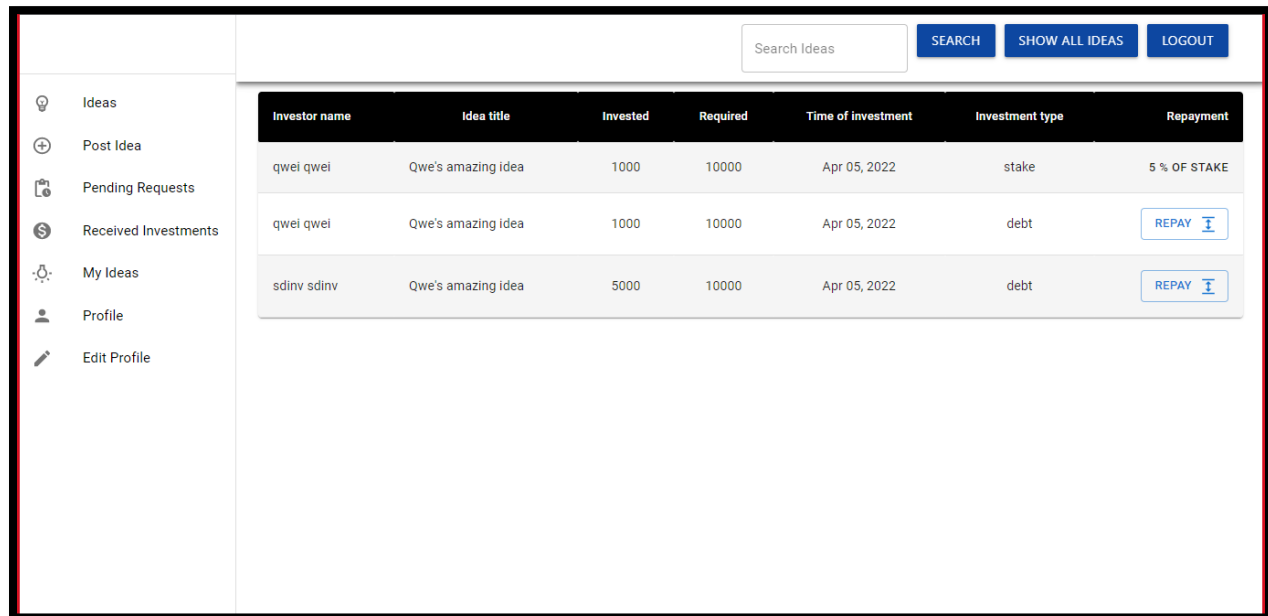
1.4 Ideators must be able to repay the investors if taken debt.

The screenshot shows a web application interface for a repayment timeline. The background is a dark grey panel titled "Repayment timeline" with a close button (X) in the top left. A yellow "TEST MODE" button is in the top right. The timeline lists monthly payments from May 05, 2022, to Dec 05, 2022, each for \$83.33. To the right of each date is a blue "Pay installment" button. A modal form is centered over the timeline. The modal has a white background and a close button (X) in the top right. It features the "ic" logo at the top, followed by the text "Repay - qwei qwei" and "Repay money". Below this is an "Email" input field with an envelope icon. Underneath are fields for "Name", "Address", "Postcode", and "City". A dropdown menu shows "Canada" with a downward arrow. At the bottom of the modal is a blue button labeled "Payment Info" with a right-pointing arrow. In the bottom left corner of the timeline, there is a "Powered by stripe" logo.

Date	Amount	Action
May 05, 2022	\$83.33	Pay installment
Jun 05, 2022	\$83.33	Pay installment
Jul 05, 2022	\$83.33	Pay installment
Aug 05, 2022	\$83.33	Pay installment
Sep 05, 2022	\$83.33	Pay installment
Oct 05, 2022	\$83.33	Pay installment
Nov 05, 2022	\$83.33	Pay installment
Dec 05, 2022	\$83.33	Pay installment

- The repayment happens using the Stripe payment gateway API.
- For debts, a 12-month EMI is shown

1.5 Ideators must be able to see the investment stake percentage.



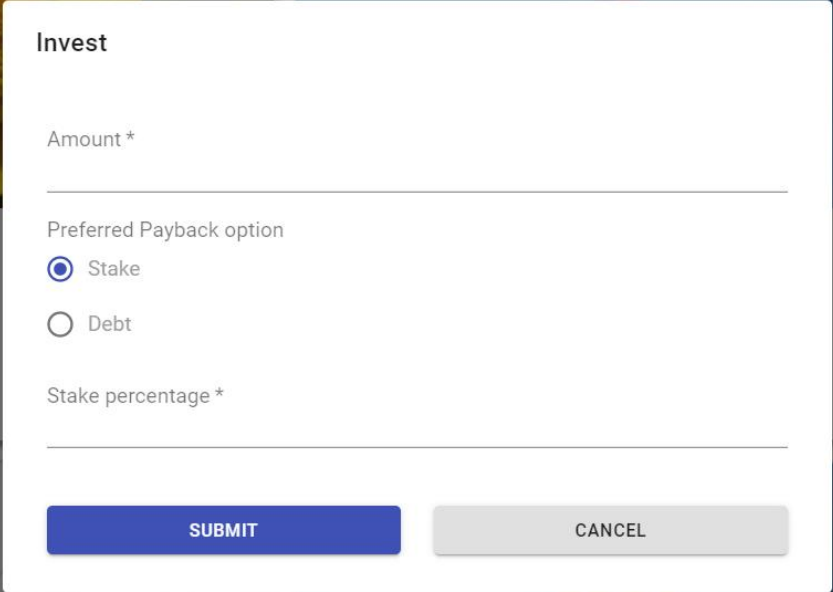
Investor name	Idea title	Invested	Required	Time of investment	Investment type	Repayment
qwei qwei	Qwe's amazing idea	1000	10000	Apr 05, 2022	stake	5 % OF STAKE
qwei qwei	Qwe's amazing idea	1000	10000	Apr 05, 2022	debt	REPAY
sdinv sdinv	Qwe's amazing idea	5000	10000	Apr 05, 2022	debt	REPAY

- For investments that were only stake, the percentage of stake must be seen by the ideator

C. User Scenarios for Investors:

1. Investment

1.1 Investors must be able to invest in the ideas they like with the deal they want to make.

A screenshot of a web application showing an 'Invest' dialog box. The dialog box is white with a thin border and is centered over a blurred background image of a yellow rose and a hot air balloon. The dialog box contains the following elements: a title 'Invest' at the top left; a text input field labeled 'Amount *'; a section titled 'Preferred Payback option' with two radio button options: 'Stake' (which is selected) and 'Debt'; a text input field labeled 'Stake percentage *'; and two buttons at the bottom: a blue 'SUBMIT' button and a grey 'CANCEL' button.

Invest

Amount *

Preferred Payback option

☒ Stake

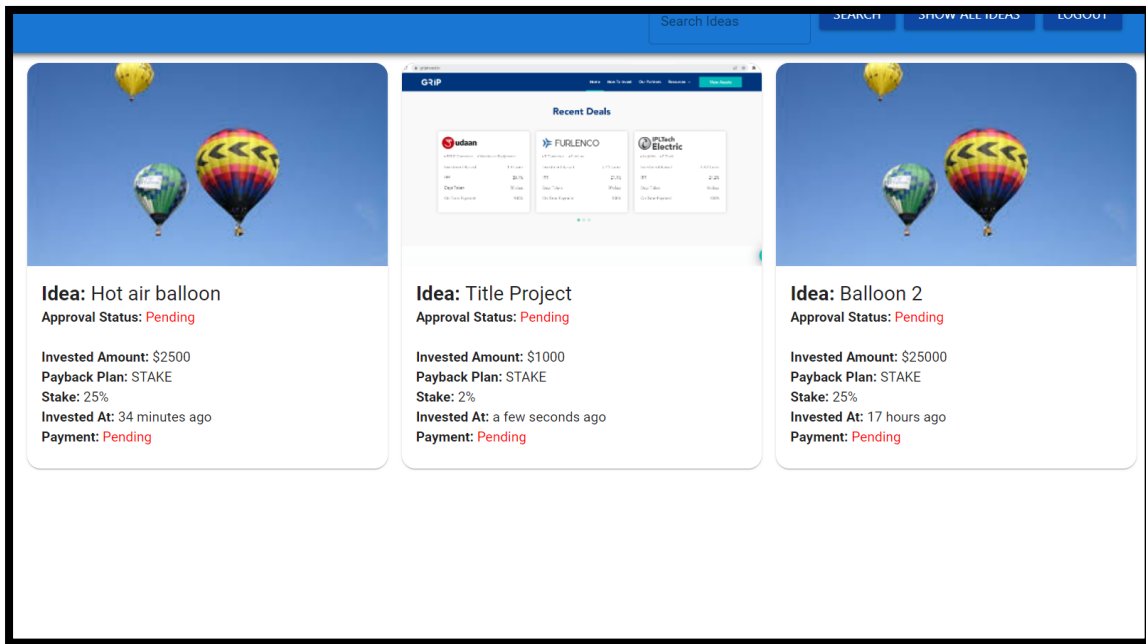
☐ Debt

Stake percentage *

SUBMIT CANCEL

- After choosing an idea the investor can invest either with a debt interest as a payback or asking for a stake in the company of the ideator.

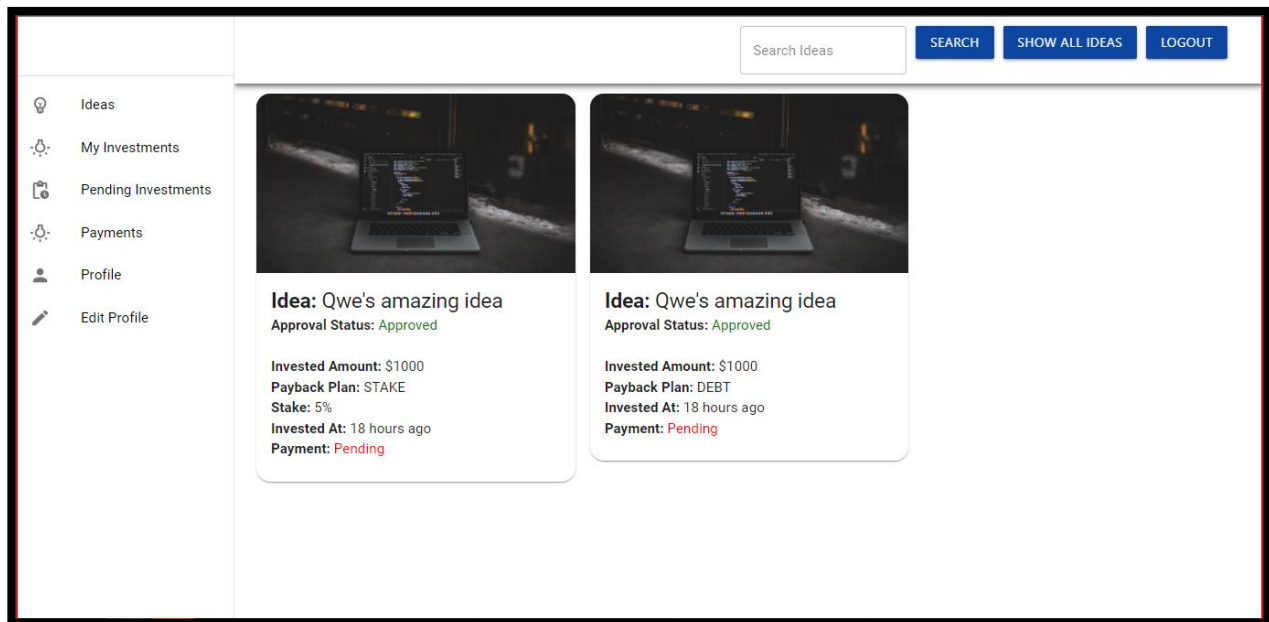
1.2 Investors must be able to see their pending investment requests.



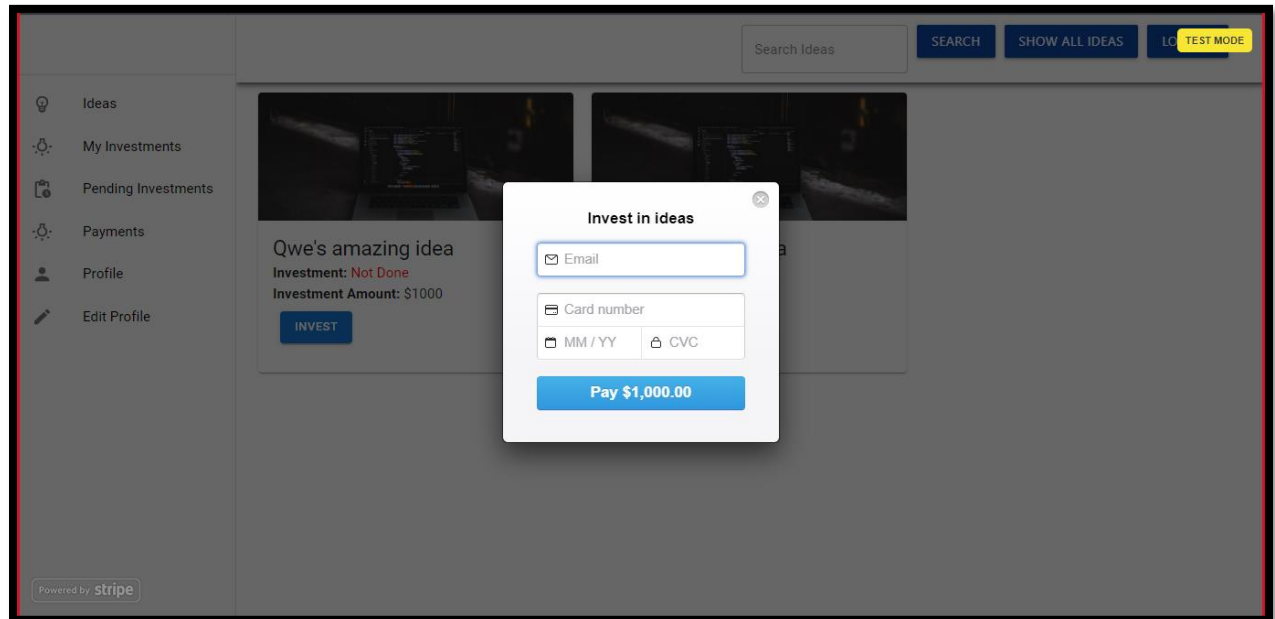
- All the investment requests made by the investor must be visible under the pending section unless accepted or rejected by the respective ideator.

1.3 Investors must be able to see all their investments made.

- The investors can see all their investments made at a single place so that he/she can easily track the projects they are associated with.



1.4 Once the investment requests are accepted by the ideators, the investors must be able to pay for the investment.

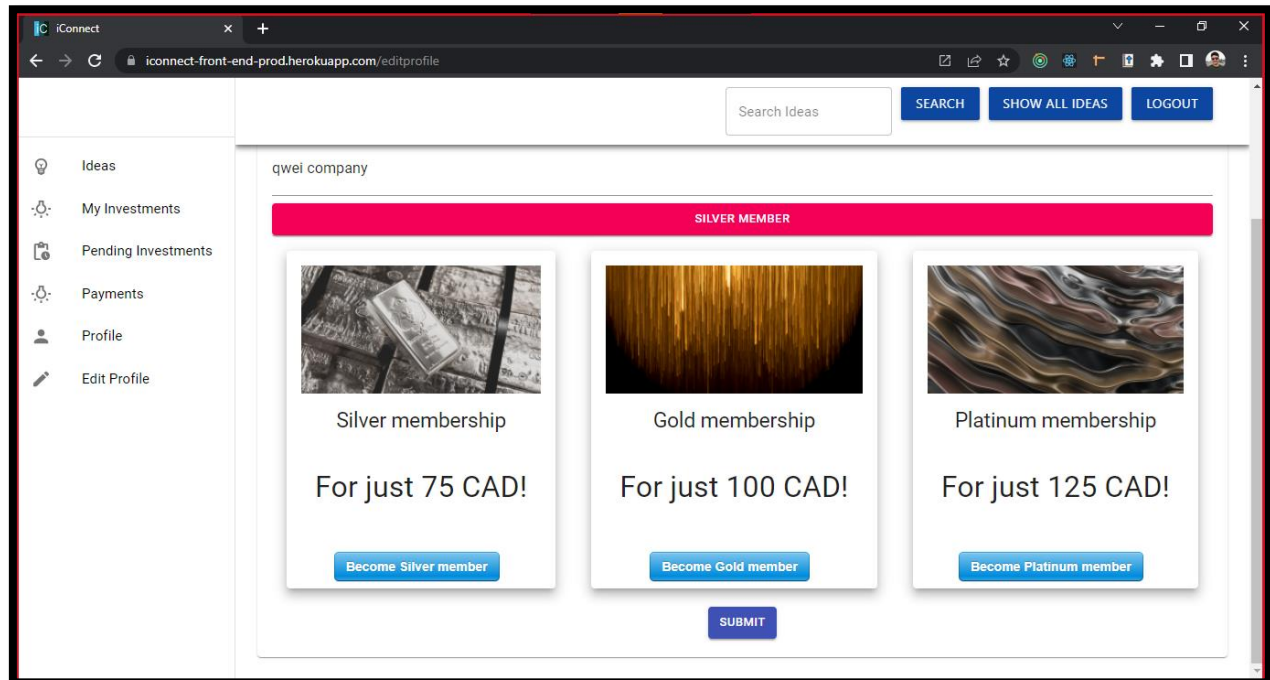


- Using this payment gateway, the investors now actually transfer the money to the ideator as promised in the investment details.

2. Premium membership

2.1 Able to buy membership

The investor must have the option to be more privileged investor than others by buying a premium subscription with iConnect



- Investors can choose one from the three subscription plans offered viz. Silver, Gold, Platinum.
- Each plan has its own perk. With each increasing tier, the investor gets to invest more.
- Non-member investors can invest upto 20000 CAD
- Silver member investors can invest upto 30000 CAD
- Gold member investors can invest upto 40000 CAD
- Platinum member investors can invest any amount without any cap.

2.2 Increase capped investment by buying subscription

The investors have funding cap on their investments which increases by 10 % for every idea they invest into. If they want to invest more money without investing in multiple ideas, they can upgrade their account by selecting any of the premium membership plans.

First Name *

Shivangi


Last Name *

Bhatt

Company Name

company


NOT A PREMIUM MEMBER



Silver membership

For just 75 CAD!


Become Silver member



Gold membership

For just 100 CAD!

Become Gold member



Platinum membership

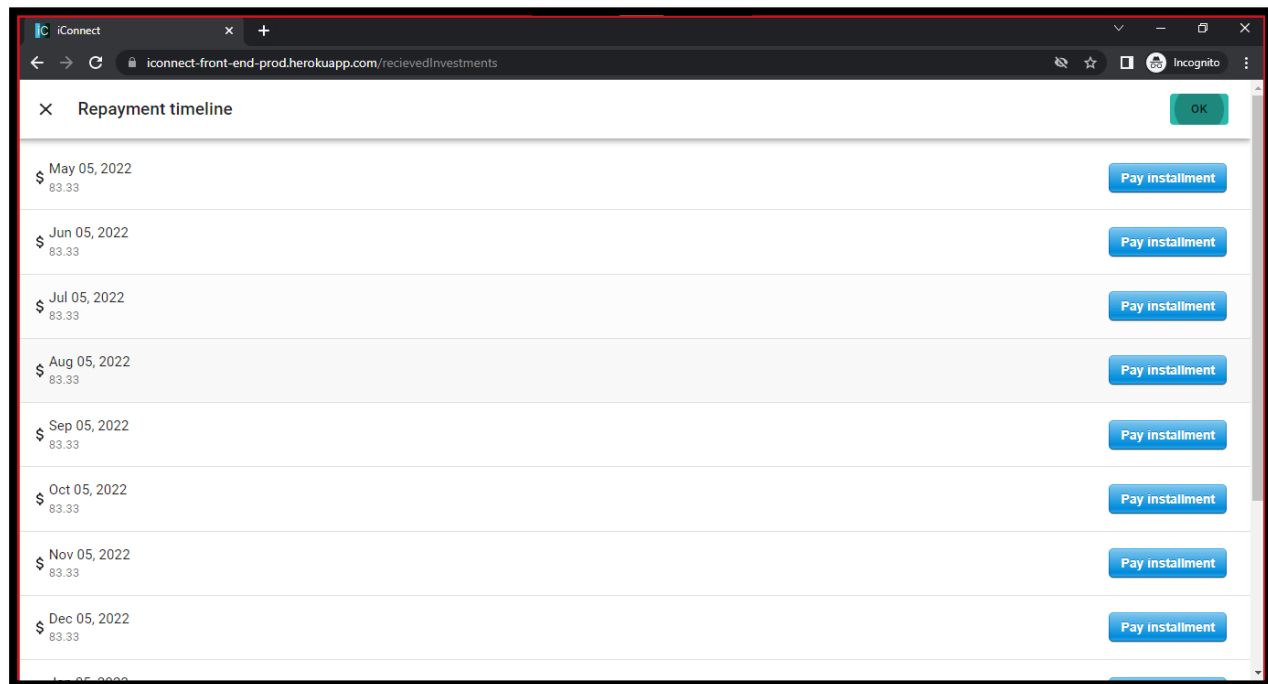
For just 125 CAD!

Become Platinum member

SUBMIT

D. Repayment

Ideator paying back money for debts with an investor



- Each investment that is made as debt can be payed back by the ideator using the repayment module.
- Investments made as debt have an interest with them hence the EMI shown has compound interest included with the installment.
- For Investments made as stake, there is no option to repay as the ideator agreed to the investment proposal by saying that he/she accepts giving the "x%" of stake demanded by the ideator in the investment proposal.