

SOFTWARE REQUIREMENTS SPECIFICATION DOCUMENT

FOR

V2 CAN - An approach towards women empowerment

TEAM 11

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1. INTRODUCTION:

The aim of this document is to gather and analyze the complete v2can application programming framework exhaustively. With clear understanding of the problem statement this document will provide all the detailed requirements to develop a user friendly application.

1.1 PURPOSE:

The purpose of this project is to develop an application for women entrepreneurs which will help them in being aware of all the support systems and schemes provided by our government, be it financial services or business support. Being a business visionary is the choice made by an individual naturally based on the surrounding environment and experiences at hand. Thus, the government must play the part of a facilitator to provide a fair and equal environment to women business visionaries to prevail in the competitive world.

The main goal of our application is to develop an application that provides an interactive base for women entrepreneurs to provide them with all the information about networking, financial advice and several schemes released by our government with their success rates. Our application targets those women entrepreneurs who face a common challenge of lack of financial literacy and current trends.

1.2 DOCUMENT CONVENTIONS :

This document was created based on the IEEE template for software requirements specification(SRS).

1.3 INTENDED AUDIENCE AND READING SUGGESTIONS :

This application targets audiences who:

- a. Typical users such as women entrepreneurs, financial advisors, mentors, fund providers who are ready to network and collaborate with other business visionaries.
- b. Professional users who want to gain knowledge about current affairs and would like to mentor budding entrepreneurs who they think can improve their productivity.
- c. Any women who wants to know information about the trending schemes released by our government for women

1.4 PRODUCT SCOPE :

V2 can is an application that promises to help women entrepreneurs irrespective of their identity and together provide a platform for creating awareness among budding women entrepreneurs. This application will be developed to maximize productivity in this competitive industry of business and increase the percentage of women entrepreneurs giving them an opportunity to explore wonders.

2. Overall Description

2.1 Product Perspective

Women are growing in the field of entrepreneurship and developing the field in dynamic terms. Women who wish to earn on their own and to be successful business women are being encouraged nowadays. This project is also initiated with the view to encourage such women entrepreneurs.

Many women in India are with great ideas and talent to become successful entrepreneurs but they do not know where to start and also they are not aware of the schemes introduced by our government which will help them out financially. Our product's main perspective is to help out women.

2.2 Product Functions

Our Project aims to improve the status of women in the country by serving as a communication link between the entrepreneurs and the financial firms that are willing to raise funds for their ideas so that the women can be financially independent and self-reliant.

It also serves as an application which helps the women to be aware of the schemes and news related to them which might be very helpful to them in many cases.

2.3 User Classes and Characteristics

Our project has 4 kinds of users namely

1. Entrepreneurs
2. Guest users
3. Fund providers and

4.Admin.

2.3.1 Entrepreneurs:

They are the main users of this application and they are facilitated with functionalities such as to create blogs of their business ideas,post advertisements of their products(handlooms, small scale business etc),to reach out to fund providers, to collaborate with other entrepreneurs and they can view scheme and news related to women.

2.3.2 Guest users:

They can surf through all the products advertised by the entrepreneurs and can help the entrepreneurs by buying those products.

2.3.3 Fund Providers:

They can view all the business idea blogs posted by the entrepreneurs and can notify them about their interests in funding their ideas

2.3.4 Admin:

Admin has two main jobs,one is to check the blogs and advertisements that are newly posted by the entrepreneurs whether they are appropriate or not and take respective actions,and another job is to verify whether the registered venture capitalist is an established firm or not.

2.4 Operating Environment

This is a web based application and it can operate seamlessly on all web browsers on Windows Operating System.

2.5 Design and Implementation Constraints

This application makes use of the Aadhaar table to verify the validity of the users during the registration process,but as of now we don't have access to the original aadhar table so we make use of dummy data.

3. External Interface Requirements

3.1 User Interfaces

3.1.1 Login

The screenshot shows a web browser window with a title bar 'A Web Page'. The address bar contains 'https://'. The page header includes a hamburger menu icon and the text 'V2 CAN!'. The main content area features a login and signup form. The form has two tabs: 'Login' and 'Signup'. Under the 'Login' tab, there are input fields for 'Email Address' and 'Password', and a 'Login' button. The 'Password' field has an eye icon for toggling visibility. The 'Signup' tab is currently selected.

3.1.2 Sign Up:

3.1.2.1 Entrepreneur Sign up

The screenshot shows a web browser window with a title bar 'A Web Page'. The address bar contains 'https://'. The page header includes a hamburger menu icon and the text 'V2 CAN!'. The main content area features an entrepreneur sign-up form. The form has input fields for 'Name', 'Phone no', 'Email', and 'Aadhar number', and a 'Click here to verify' button.

3.1.2.2 Financial Sign up

A Web Page

https://

V2 CAN!

Bank name

Branch details

[Click here to verify](#)

This screenshot shows a web browser window titled "A Web Page" with a search bar containing "https://". The page header for "V2 CAN!" includes a menu icon. The main content area features a light gray box with a "Bank name" label and a search input field, a "Branch details" label and a text input field, and a "Click here to verify" button.

3.1.2.3 Venture capitalist signup

A Web Page

https://

V2 CAN!

Venture capitalist

xyz company
abc company
pqr company
other

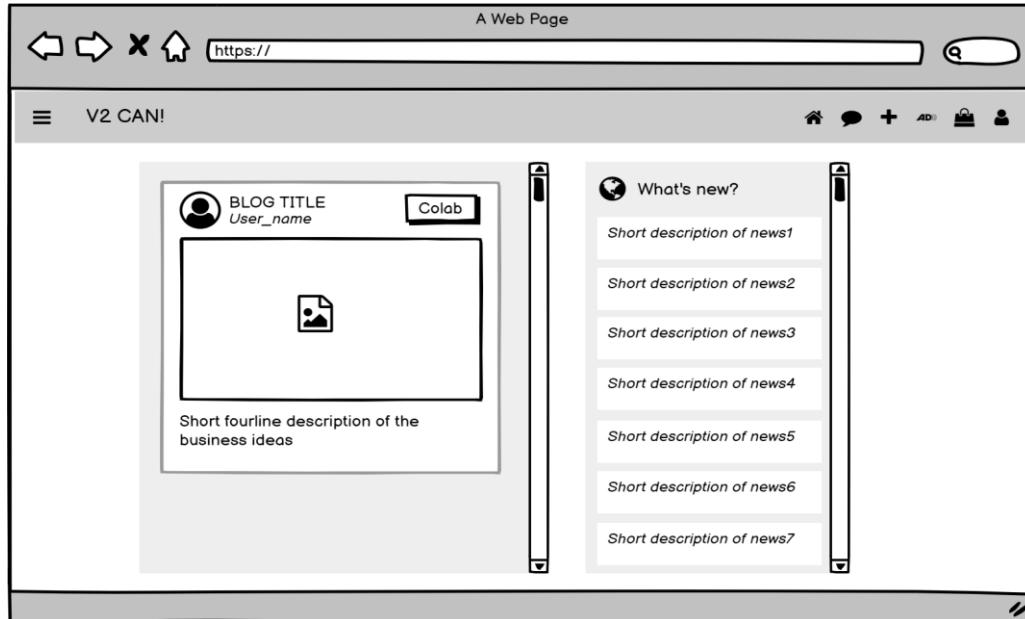
[Click here to verify](#)

This screenshot shows a web browser window titled "A Web Page" with a search bar containing "https://". The page header for "V2 CAN!" includes a menu icon. The main content area features a light gray box with a "Venture capitalist" label and a dropdown menu showing options: "xyz company", "abc company", "pqr company", and "other". Below the dropdown is a "Click here to verify" button.

3.1.3 Home page:

3.1.3.1 Entrepreneur Home page

This home page is divided into two halves vertically, the left half displays all the blogs posted by the other users which matches the categories in which the user is interested in and the right half displays all the recent schemes introduced by the government in the favour of women

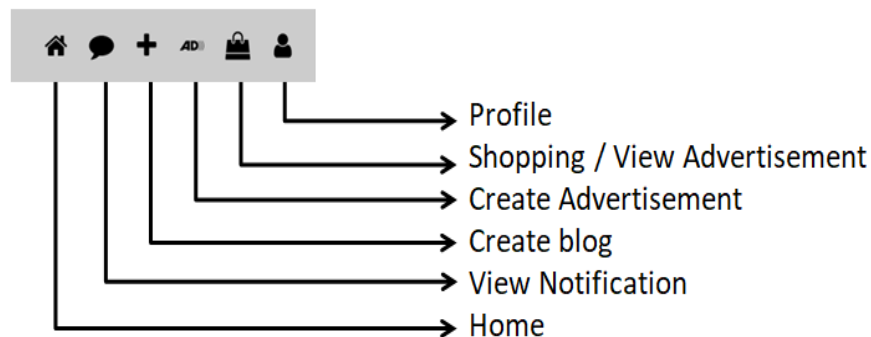


On clicking the colab button users can send notification to the owner of the blogs and show their interest to colab

On clicking the blogs we can see the long description of the blog which appears as an overlay

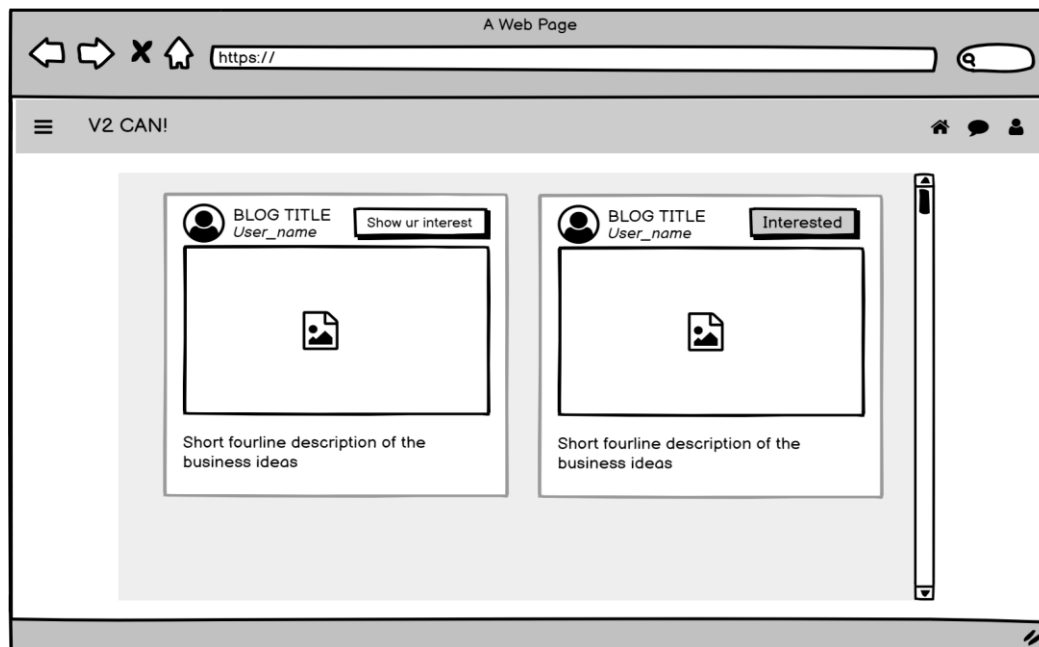


Navigation:

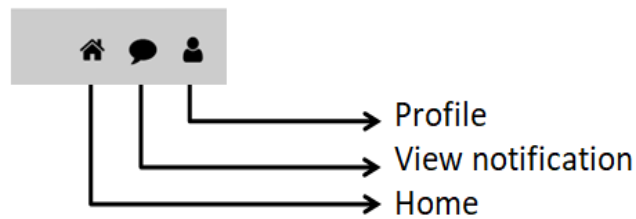


3.1.3.2 Financial firm Home page

This homepage displays all the blogs posted by the women entrepreneur users which matches the categories in which the financial firm is interested in

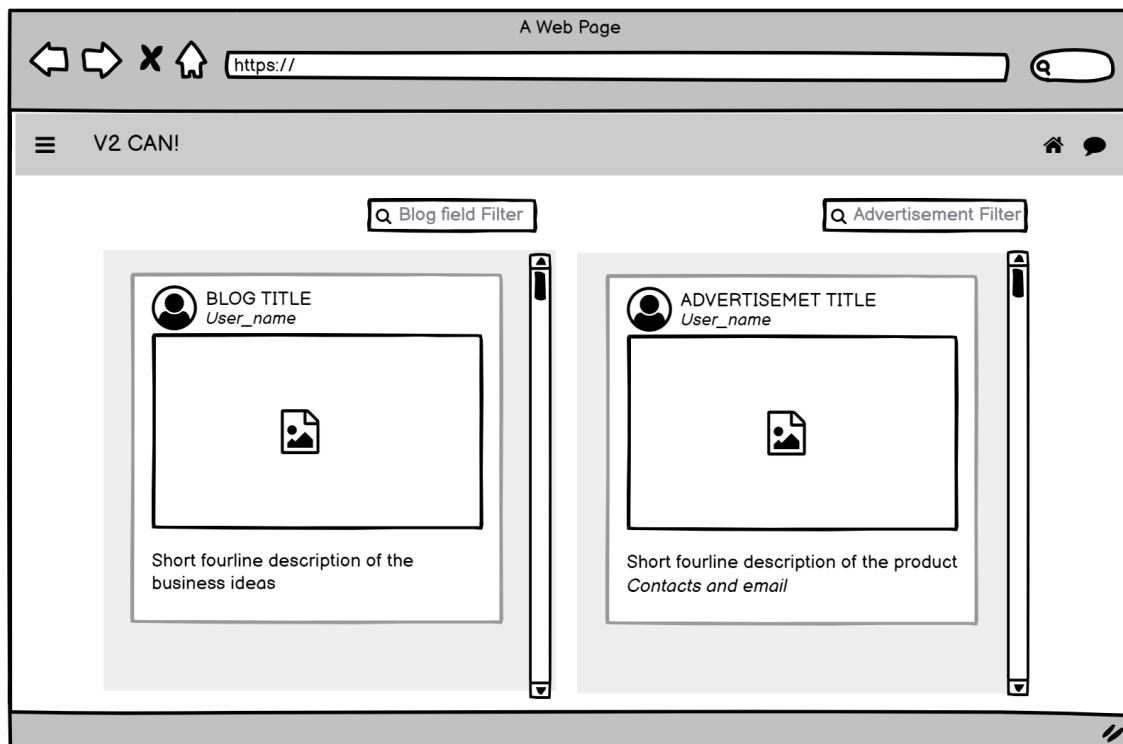


Navigation:

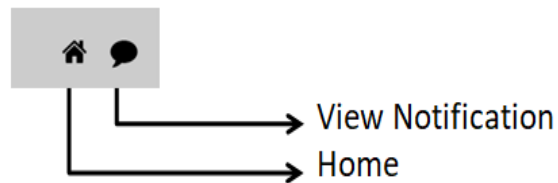


3.1.3.3 Admin Home page

This homepage inturn is divided into left ,right halves and it contains all the blogs and advertisements posted by the users respectively.Admin can filter the category using the search Box.

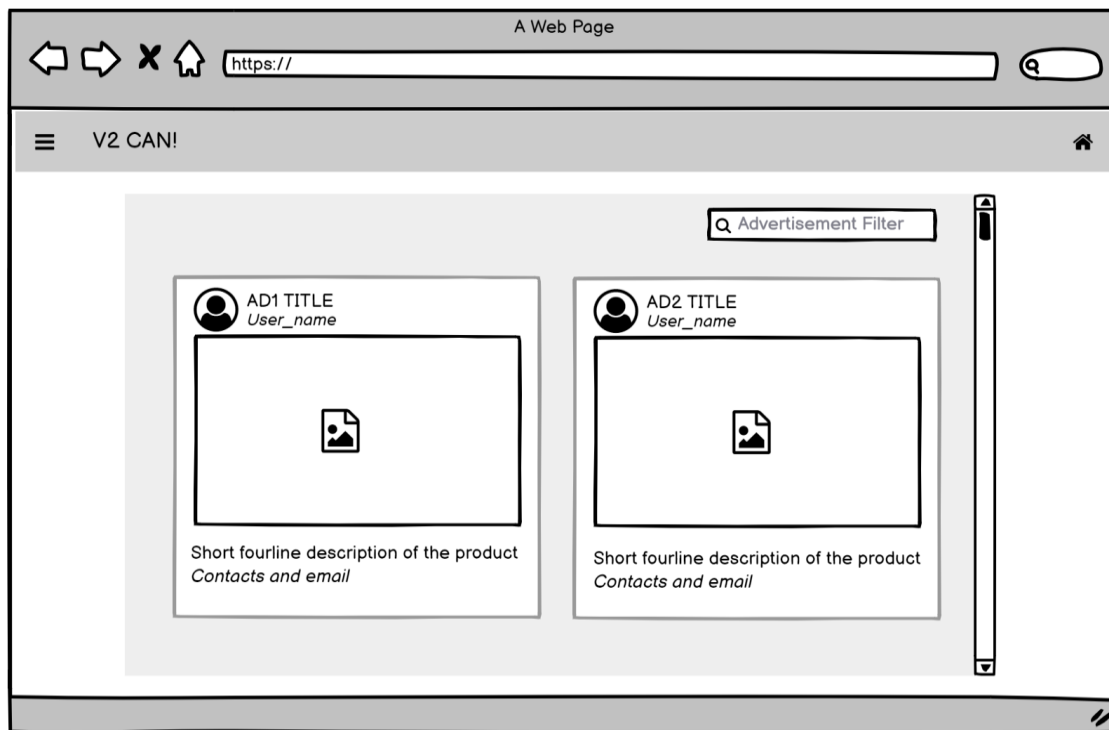


Navigation:

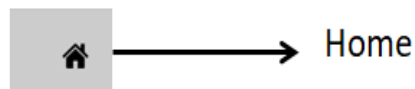


3.1.3.4 Guest user Home page

This displays all the advertisement posted by the entrepreneur users, and can filter the categories using the search box



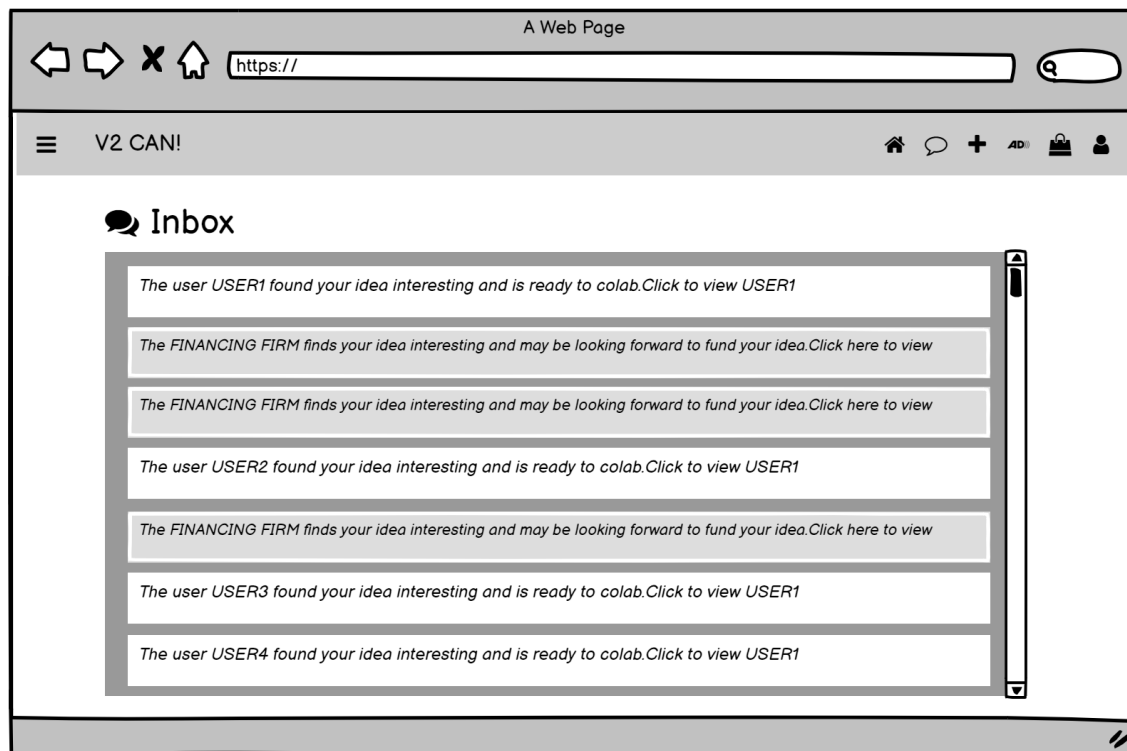
Navigation:



3.1.3.Notification

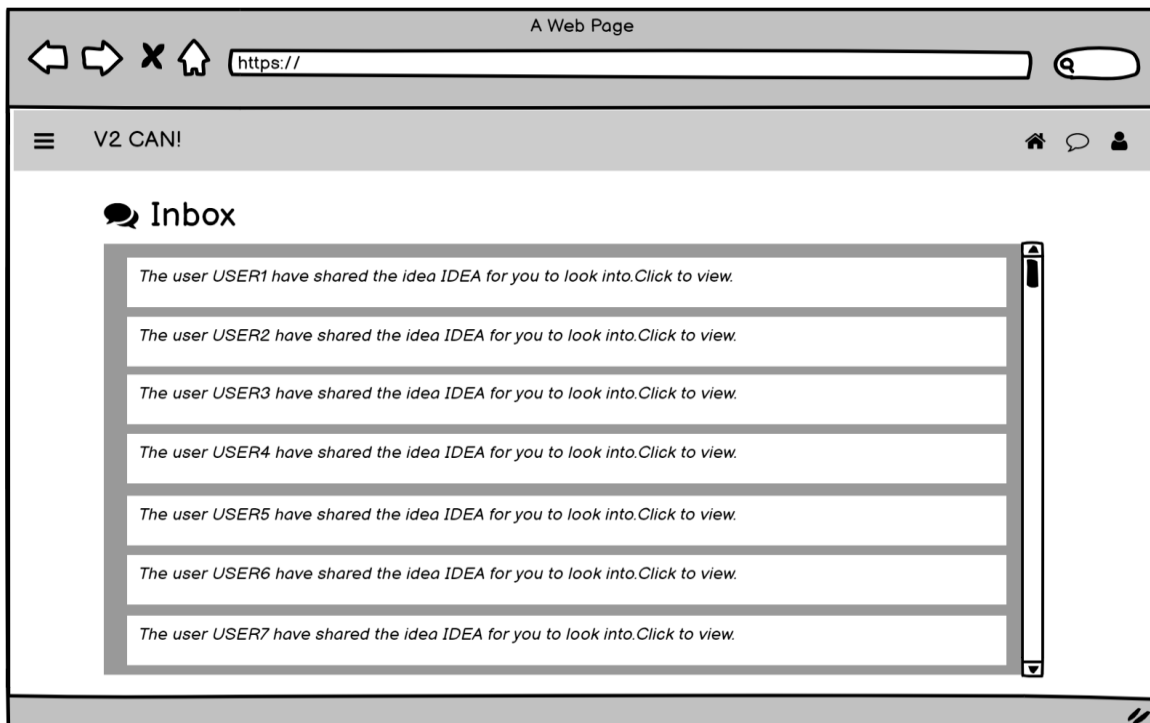
3.1.3.1 Entrepreneur notification page

This page notifies the interest of other users to colab and the interest of banks to fund (different colours for notifications of different kind)



3.1.3.2 Financial firm notification page

This page notifies to the financial firm about the request of entrepreneur users have a look into their ideas and to fund their ideas



3.1.3.2 Admin notification page

Admin's notification page looks similar to that of the Entrepreneur's notification and it notifies the admin of all the new users registration to the application. It will also notify to verify the venture capitalist as an established firm in a highlighted fashion

3.1.4. Entrepreneur Create Blog/Advertisement page:

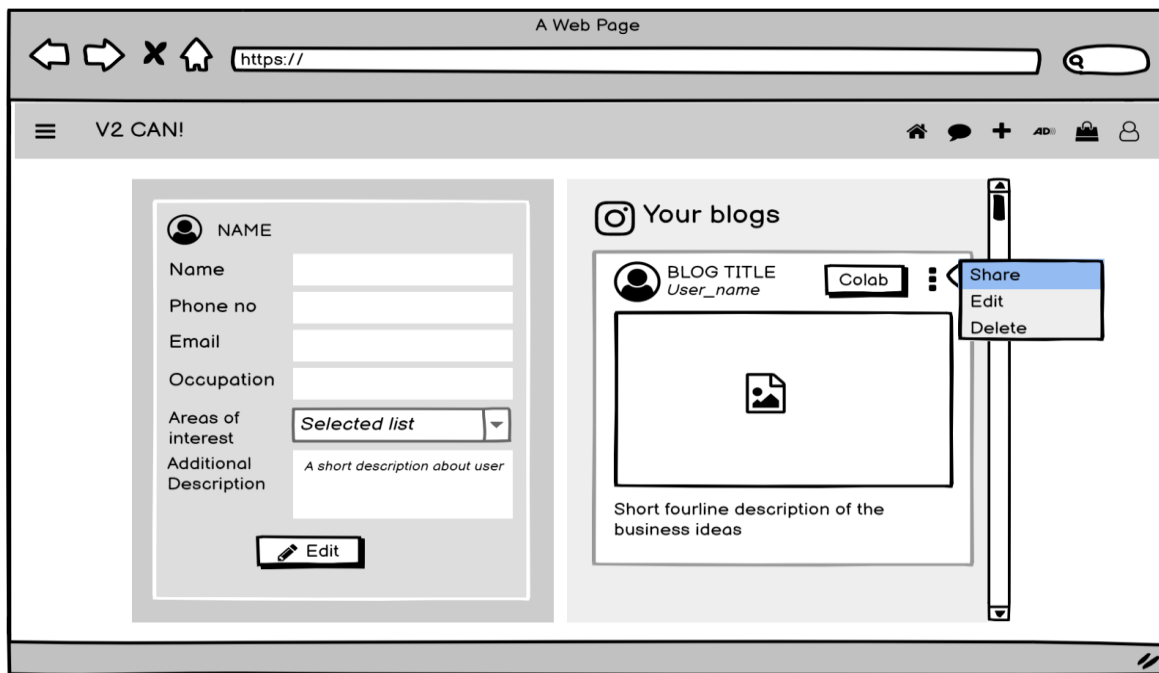
To create a new blog as a post the entrepreneur should fill in the respective fields

The image shows a web browser window with the title "A Web Page". The address bar contains "https://". The page header features a menu icon, the text "V2 CAN!", and several icons: a home icon, a chat bubble, a plus icon, an "AD" icon, a shopping cart, and a user profile. The main content area has a heading "Create your own blog" with a plus icon. Below this is a form with the following fields: "Idea title" (text input), "Category" (dropdown menu with "Choose category" selected), "Short Description" (text input), "Long Description" (text area), "Image" (text input with placeholder "Enter image URL"), and "Looking for colab" (toggle switch). A "Create" button is located at the bottom of the form.

3.1.4. Profile page:

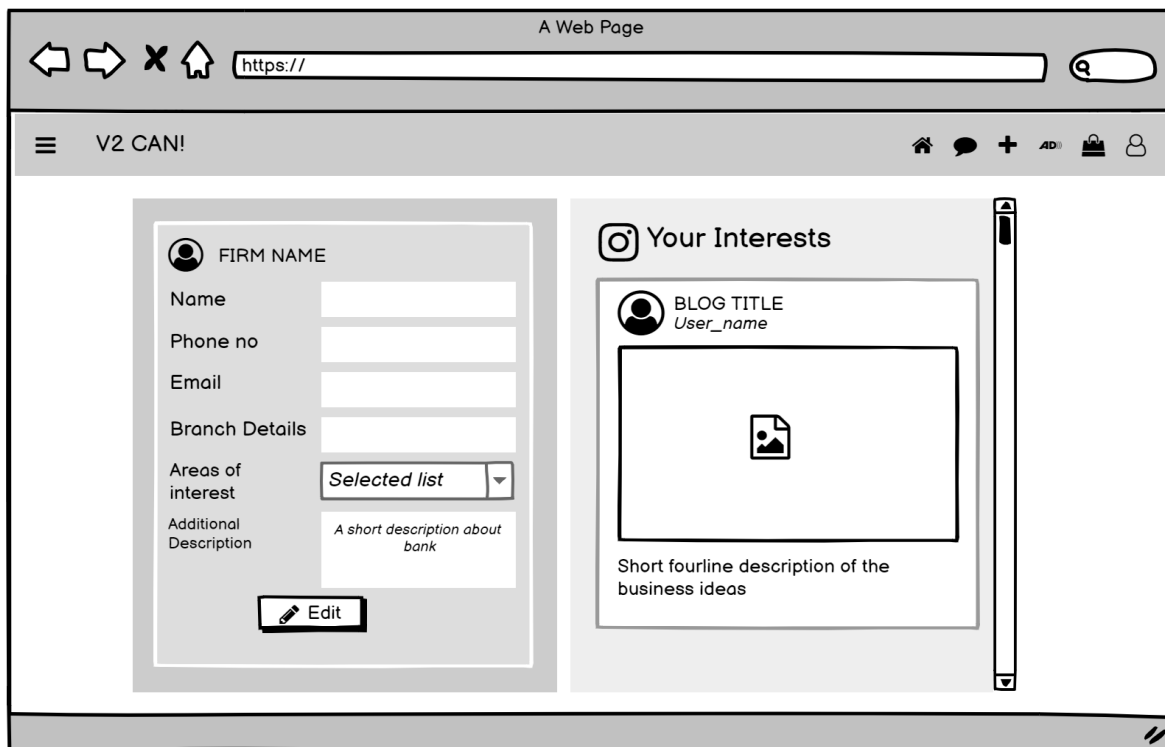
3.1.4.1. Entrepreneur profile page

The left half of the profile page contains all the personal details entered by the user during registration which can be edited here. The right half contains all the blogs posted by the user themselves. Their blogs can be edited, deleted or it can be shared to the financial firms by using the respective options.



3.1.4.1. Financial firm profile page

Similar to the entrepreneur profile page, The left half contains all the personal details entered by the firm during registration which can be edited and the right half displays all the blogs which they have already chosen as “interested”.



3.2 Software Interfaces

We make use of the Aadhar table during the verification step of the sign up process for Entrepreneur users and Self finance users. We also make use of the banks licensed by the RBI table during the registration step of banks

3.3 Communications Interfaces

We use email as a communication interface during the email verification of signup process

4. System Features

4.1 Registration

This functionality allows the users to register into the application/system in order to access all the resources provided by the application . To enter this

registration process we have to click signup and that will ask what kind of user (**Entrepreneurs/Fund Providers**) they are when registering in.

4.1.1 Entrepreneur Registration

It asks entrepreneurs to fill in their personal details such as name, email id, phone number, aadhar number etc. After entering all the credentials it starts to verify the name and phone number are legit and check if they are women or not by checking against details in aadhar and also check if there is any other additional account with that aadhar number for the same person.

Once these details are verified an OTP will be sent to the respective email id and it corresponds to the email verification step. Once verified it navigates to the account creation page and asks the user to enter their details such as email, password and confirm password then the user has to send the mail to verified mail id. After everything is verified and validated the application obtains fields of interest from entrepreneurs and they can select any no. of fields according to their interests.

4.1.2 Fund Provider Registration

To enter this registration process fund providers have to click signup and that will ask what kind of user (**Bank/Self financing/Venture capitalist**) they are when registering in.

4.1.2.1 Bank registration

This functionality enables users to select the bank name from the dropdown. The dropdown contains the list of all the licensed banks from RBI and then it will ask to enter branch details of that particular bank

All the official mail id's of the respective banks were already stored in the database so on attempting to create an account with that bank name, mail verification was sent to that particular bank to verify. After verification the application will obtain the details such as name, phone number, email id from the person in charge with that

bank then ask them to fill in their username and password. Afterwards it obtained the fields of interest which were selected by them.

4.1.2.2 Self financing registration

This process will ask users to fill in their personal details such as name, phone number and email id. After entering all the credentials it starts to verify the name and phone number are legit and check if they are women or not and also check if there is any other additional account with that aadhar number for the same person.

Once these details are verified an OTP will be sent to the respective email id and it corresponds to the email verification step. Once verified it navigates to the account creation page and asks the user to enter their details such as email, password and confirm password then the user has to send the mail to verified mail id. Afterwards it obtained the fields of interest which were selected

4.1.2.3 Venture Capitalist registration

This feature enables users to select from dropdown, where dropdown contains the established venture capitalist list and an option called other will be there.

If their name is already in dropdown they can select and then proceed further. If their name is not present in the dropdown they have to fill in their details such as firm name, top investment details, mail id and phone number then they have to send a request to admin for verification.

In the admin verification, admin will check the legitimacy through cross check validations then if the details are valid admin will accept their firm and add them as verified venture capitalist and check if there is any other additional account with that aadhar number for the same person. Once these details are verified an OTP will be sent to the respective phone number/email id then it moves to the email verification step.

In the email verification test once the Aadhar number is verified then navigates to the account creation page and asks the user to enter their details such as email, password and confirm password then user has to send the mail to verified mail id. Afterwards it obtained the fields of interest which were selected by them

4.2 Login

This feature will enable users to enter their credentials. It obtains the information from the users such as username,password and it will check for correctness then it will navigate to the homepage.There is a direct login page for admin with credentials which is only applicable for admin.

4.3 Display blogs

This feature helps the Admin and users(Entrepreneurs/Fundproviders/Guest users)to view the blogs which will always be displayed in the homepage only.

For entrepreneurs ,according to their fields of interest the blogs will be displayed which were posted by other users. In that blog there is an option called colab,which helps users send notification to the owner of the blog and show their interest to collaborate. By clicking blogs users can see the long description about the blog which appears as an overlay.

In the profile page of entrepreneurs,the blogs which were created by them will be displayed and there will be a menu in each blog with three options namely share, edit and delete.The share option will be useful when the user wishes to share their blogs to the fund provider to be viewed.

For Fund Providers ,according to their fields of interest the blogs will be displayed which were posted by other users and also they can show their interest for collaboration.

In the profile page of Fund providers,all the blogs in which there are interested in will be displayed

For Admin, all the blogs which were posted by the users will be displayed. In that blog there is an option called blog field filter, which helps admin filter the category of interest using the search box and they can delete inappropriate content

4.4 Display latest news

This functionality will display the latest news only to the entrepreneurs. On the right half of entrepreneurs homepage there is a list of news as short description by clicking that description it will be displayed as detailed description

4.5 view notification

This feature enables Admin and users(Entrepreneurs/fund providers)to view the notification. For Entrepreneurs , the page will notify the interest of other users to collaborate in one color and the interest of banks to fund in another color i.e different colors for different kinds of notification.For Fund Providers , it will notify the user requests requesting financial support to the fund providers. For Admin, the page will notify the admin of all new users registration to the application and also notify the venture capitalist as an established form in a highlighted color by verification.

4.6 Create blog

This feature is only applicable for entrepreneurs. To create a new blog as a post, entrepreneurs should fill in the respective fields such as idea title, short description, long description, image and a button to select whether looking for a collab or not.

4.7 Create advertisement

This feature is only applicable for entrepreneurs. To create an advertisement, entrepreneurs should fill in the respective fields such as idea title, short description, long description and phone number etc.

4.8 Display Advertisement

This feature will display advertisements for Admin and users (Entrepreneurs/Guest User). For entrepreneurs and Guest users, the advertisements posted by other entrepreneurs will be displayed and there is an option called advertisement filter, which helps the users (entrepreneurs/guest user) to filter the category of interest using the search box. For Admin, all the advertisements will be displayed which were posted by other entrepreneurs and there is an option called advertisement filter, which helps Admin to filter the category of interest using the search box.

4.9 view profile

This functionality helps users (Entrepreneurs/fund providers) to view their profile. For entrepreneurs and fund providers, the left half of the profile page will contain all the personal details entered by the entrepreneurs and fund providers during registration such as name, phone number, email, occupation and additional description which can be edited by using the option called edit.

5. Other Nonfunctional Requirements

5.1 Security Requirements

For Entrepreneurs and self finance registration, we have to check whether the registering person doesn't have any other account previously and also verify whether the entered details are valid by checking against aadhar. For bank registration, we allow only the banks licensed by the RBI to create an account as a bank. For venture capitalists registration, we maintain a list of established firms and for firms not in the list they can request for verification and they can create an account only if verified by the admin