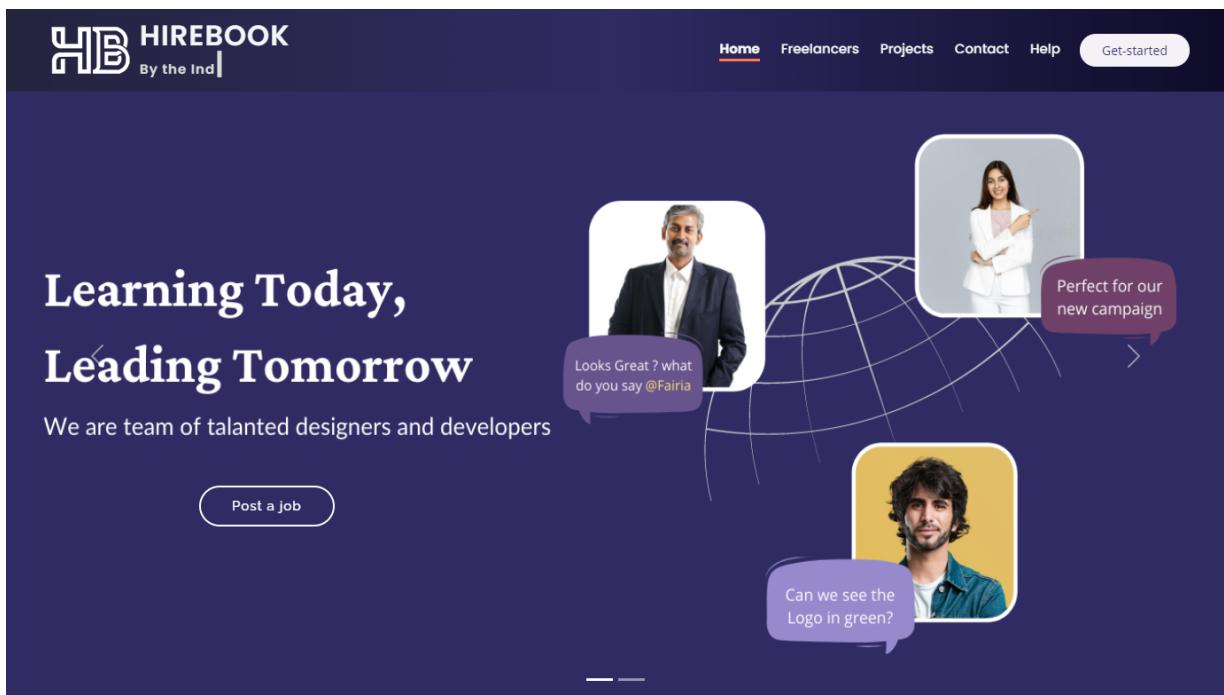


FULL STACK DEVELOPMENT

PROJECT REPORT



**CS310,CS301
DBMS,Software Engineering**

**A Report on
“PROJECT HIRE BOOK”**

**Prepared for:
Dr.Uma, Dr.Manjunath**

Reported By:

TEAM HIREBOOK:

**Akash Singh(19BCS007)
Anmol Kumar(19BCS011)
Bipul Gautam(19BCS023)
Chaitanya S Hegde(19BCS027)
Chamakuri Shivathmika(19BCS029)
Divyansh Tripathi(19BCS039)
Koneru Rehasree(19BCS057)
Koppula Sucharitha(19BCS058)
Kothapalli Dinesh(19BCS060)**

**This project is made in partial fulfillment of the requirement
of DBMS and Software Engineering.**



**INDIAN INSTITUTE OF
INFORMATION
TECHNOLOGY**

Certificate

This is to certify that the report entitled ‘HireBook’ submitted by:-

Team **HireBook** of Indian Institute of Information Technology,
Dharwad is an authentic work carried out by them under the
guidance and supervision of Dr.Uma and Dr.Manjunath for the
course, DBMS(CS310) and SoftwareManagement(CS301)

Dr.Manjunath

Dr.Uma

Place:

Date :

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1.INTRODUCTION:

HireBook, a site exclusively for Indian freelancers, assuring to provide short-term and long-term projects both for beginners and professionals. These days, freelancing has become an increasingly crucial source of income especially for people from technical backgrounds. "**Not getting hired for projects**" or "**not being paid for the work**" are the issues faced by the freelancer in this field. On the other end, clients may have faced issues too. Hire book is a **one-stop solution** to such dilemmas faced by the users while supporting and ensuring protection to our users.

2.WHY HIRE BOOK

Indian Freelancers work on websites like freelancer, Fiverr, etc. Getting a project is easier for those who are old users but the recruits who want to do freelancing to increase their passive income are not getting hired due to various reasons like clients not being familiar with their works etc, so the recruits tend to switch to unofficial platforms like FB & WhatsApp groups. In some cases, clients stop responding to the freelancers after the completion of the project & they remain unpaid for their work. So we aim to provide them an official, trusted platform to work & get clients easily. **Not getting hired for projects and not being paid for the work are the major problems faced in this platform.** Not losing sight of these problems we have decided to come up with a solution that benefits both clients and freelancers.

2.1.COMPETITIVE ADVANTAGES

1. **Withdrawal system-** Payment is done in dollars so Indians

have to use 3rd party (NETeller, Skrill, PayPal) which demands their amount as commissions. At HIRE BOOK we'll give options to directly withdraw from the bank using UPI, Paytm.

2. **Say NO to premium membership !!!** -Many sites require premium membership after applying for a certain no. of projects in a month. While the rest of the sites charge high commissions (like around 20% of their payment) at the time of withdrawal. Here at HIRE BOOK, we'll not restrict freelancers to apply on limited no. of projects implying that we don't ask or rather force our users for any premium membership to continue to use our site.
3. **The two-sided Approach**-we've provided the option of Job requests to the clients & hiring requests to freelancers. This way we are ensuring anyone can approach anyone for work.
4. **Project Duration Do Matters**- Availability of long-term & Short term options. With the help of this option, anyone can hire people for a longer duration doing the same kind of task again and again based on the option marked by the freelancer or they can just hire the freelancer for a shorter duration to do some tiny tasks (they'll get paid for their work anyway).
5. **Chat System- Of course, user's privacy matters.** Initially, freelancers and clients can be in contact before the project starts using our chat system, discuss their deliverables and

close the deals, once the project is confirmed, only if both ends are comfortably willing to share their details, they can move to another platforms for communication. Else they can use our chat system throughout the project.

2.2.UNIQUE FEATURES:

We've given the Work requests option to both clients & buyer requests to freelancers. In the work request, the client will post the work description and uploads (which appear in our projects section). They will be notified if any freelancer approaches them. The client can view the sample works of the freelancer and decide whether to hire or not. Clicking on the buyer request option freelancers can check if there's any posted job, related to their domain and if there is one they can go further and apply. Since we are offering gig wise system clients can directly hire freelancers. So this way we can ensure that everyone can approach anyone for the work. Availability of long-term & Short term options. With the help of this option, anyone can hire people for a longer duration doing the same kind of task again and again based on the option marked by the freelancer or they can just hire the freelancer for a shorter duration to do some tiny tasks (they'll get paid for their work anyway). **People can post for internship roles too** and interested ones' can apply.

It can even be considered as a platform to earn for a person with a good marketing strategy. Only one person can act as both freelancer and a client so that he can take a project for x amount and act as a client for the project by dividing the project into smaller parts and hire freelancers for each, paying them y ($y < x$).

So the one who is good at managing the projects can take 10-15 projects per month and earn equally an SDE earns with no technical background (heads on the situation).

3.BUSINESS STRATEGY:

Considering the requirements and problems faced by both clients and freelancers, we've decided to add features that are highly beneficial to the future users of this site. We decided to inculcate all new ideas into this project and as a team came forward in competition to the current fast pacing industry as our startup which could help us stand apart from the crowd.

With little to no benefit to us. We've aimed to make this site another initiative towards "**AATMA NIRBHAR BHARAT**" and mostly concentrated on the benefit of the users of this site.

3.1. Timing:

Why will people use **HIRE BOOK?**

Reasons:

- An estimation of 12.2 crore people has lost their jobs due to the Covid-19 pandemic so they are also applying for jobs somewhere. Until then they've been working peacefully for their source of income.
- Due To COVID-19, many companies suffered huge losses' which lead to recession and they have fired employees (whose work has to be done by someone so they'll) and in turn hired freelancers instead for the completion of the pending work at more economical prices.

3.2. Target Market

| | | | | |
|-----------------------------------|--|------------------------------|-------------------------------|--|
| 01 Freelancers of India | 02 Companies looking for interns | 03 Small Start-Ups | 04 Content Creators | 05 People who do outsourcing |
|-----------------------------------|--|------------------------------|-------------------------------|--|

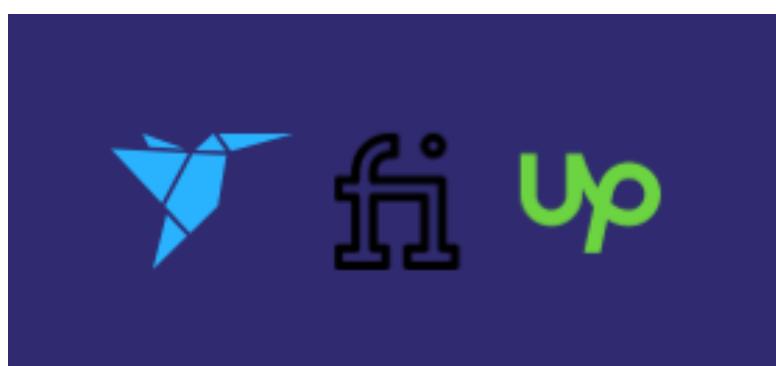
Size of the Market

There is an increase of 46% in no. of freelancers in India.

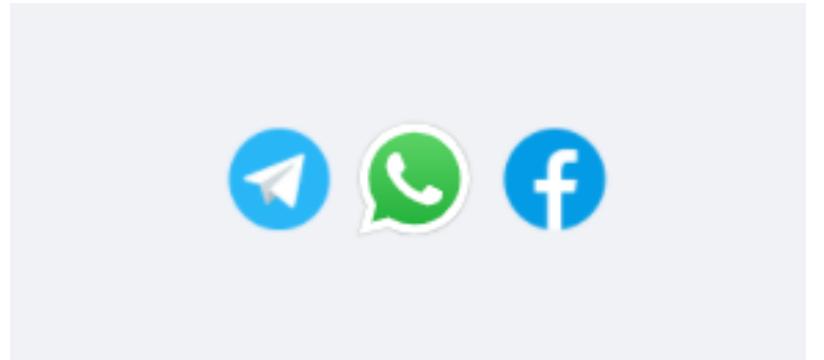
15 Million Freelancers available in India. After the USA(53 M) India is the second-fastest-growing freelance market in the world.
20 lakh Per Annum!!! is the average earnings of the Indian freelancers.

60 Lakh Per Annum: 23% of total freelancers in India earn 60 lakhs per annum.

Direct Competitors:



InDirect Competitors:



3.3.Software Development Model:

Coming to our project we followed the **Agile SDLC model**.

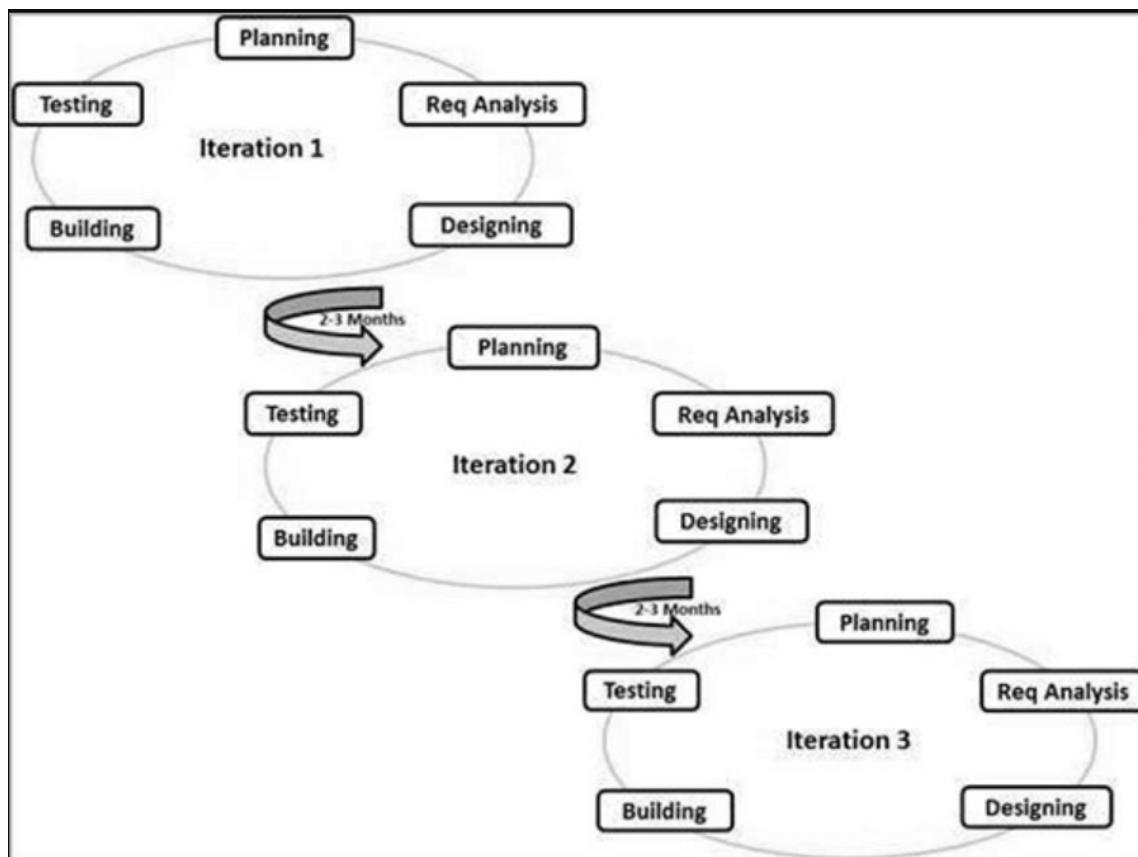
What is the Agile SDLC model??

Agile SDLC model is a combination of iterative and incremental process models with a focus on process adaptability and customer satisfaction by rapid delivery of working software products. Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts for about one to three weeks. Every iteration involves cross-functional teams working simultaneously on various areas like

- Planning
- Requirements Analysis
- Design
- Coding

- Unit Testing and
- Acceptance Testing.

At the end of each iteration, a working product is displayed to the customer and important stakeholders.



Working Model

At first, we decided which features we will be providing our users then we did wireframing of all the features. Then after we created the front end part and followingly worked on its backend. We divided our website features into small blocks & after the complete development & successful testing of one feature, we worked on the

next feature, repeating the same process. For example, we are giving our clients the feature of creating a Gig and Posting a project. Initially we decided the inputs we will be taking at the time of gig creation then after designing the front-end part we attached the backend processing to it. We have stored all the data into our database and then reflect that information in the freelancers section. After creating the frontend and backend, we tested the storage ability of all this information and again checked the ability to get reflected in other sections of the page. We followed the same pattern in creating all the other features first frontend and then backend and then tested whether everything is functioning well or not. In this way, we minimized working on the same feature again and again and tried our best to provide all the features we planned for.

4. Development

4.1 Technologies Used

FRONTEND:

- HTML
- CSS
- BOOTSTRAP
- JQUERY(FOR LAZY-LOADING)
- EJS(EXPRESS JAVASCRIPT)
- TYPED.JS
- AOS (FOR FADE EFFECTS)
- OWL CAROUSEL
- REACT JS(CHAT SYSTEM)
- BOX-ICONS, ICON FONT

BACKEND

- NODE JS
- EXPRESS
- SOCKET.IO(CHAT)
- MULTER
- PASSPORT
- BCRYPT JS
- MULTER
- DATABASE : MongoDB Atlas(free version)

DEPLOYMENT:

- HEROKU APP

4.2EVOLUTION OF PROJECT:

PHASE-1(2nd FEB - 21st FEB):

Finalized the project idea and tech stacks. Made a clear Gantt chart of the whole project and started working on the front end of the projects. Parallelly, we started to learn the concepts in the backend so that by the time the front end is finished we would be clear with them. Technical work of the website started on 7th Feb 2021. The front end of Login Signup, Homepage, Edit pages(Projects, gigs, Profile) were completed by 17th Feb 2021. As everyone in our team was not that familiar with these tech stacks initially, it took us more time to develop each component of the site but somehow we managed to complete 40% of the front end and had a clear flow of the project by the first review.

PHASE-2(22nd FEB- 19st MAR):

Started with the backend of login signup. Initially developed using bcryptjs but due to some issues during integration, later changed it to passport and completed the front end of remaining pages (Projects section, Freelancers section, GigDisplay, Dashboard(posted projects, posted gigs)). Created an admin dashboard for every user and learned how to make CRUD operations using node and MongoDB. Here we majorly concentrated on the types of requests we were required to make like POST, GET, PUT, DELETE, and how to pass queries to MongoDB as we need to create a link between projects, gigs, and admins of those particular projects and gigs. Integrated Backend and frontend (converted all HTML files to ejs files)

PHASE-3(21st MAR- 20th APR)

Started implementing CRUD operations for posted projects, posted gigs, and created links amongst the admins. Whatever the projects posted by the user they can view the same in their dashboard and similarly can view their gigs. Created a clear workflow for the client's approach and freelancer's approach. (Detail explanation will be given in the WORKFLOW section); Here we initially developed a single-time payment system. Later we had a 4th meet with uma mam where she asked us about attracting more users to our site . Here we thought of developing a phase wise payment system which is not provided in any site. But in the phase wise payment system we had an issue that if the client didn't pay us in time after phase-1 . Here we freelancer has to waiting and he don't even know if the project is in progress or not so we went back to our old method which is single time payment

Clients Approach:

- 1.Posting a Project and waiting for the freelancers to apply for it
- 2.Finding a client suitable for his project and hiring him/her

Freelancers Approach:

- 1.Creating a gig and waiting for a client to hire them.
- 2.Finding a project with his relevant tech skills and applying for it and waiting for the client to confirm him/her for that particular project.

This part was developed in a week and later on when they click on "**contact me**" we brought their details to the "**intouch**" section (**where they will be in contact**) and then developed a chat system for both the ends to be able to communicate without using any 3rd party as **of course our user's privacy do matters**. For the chat

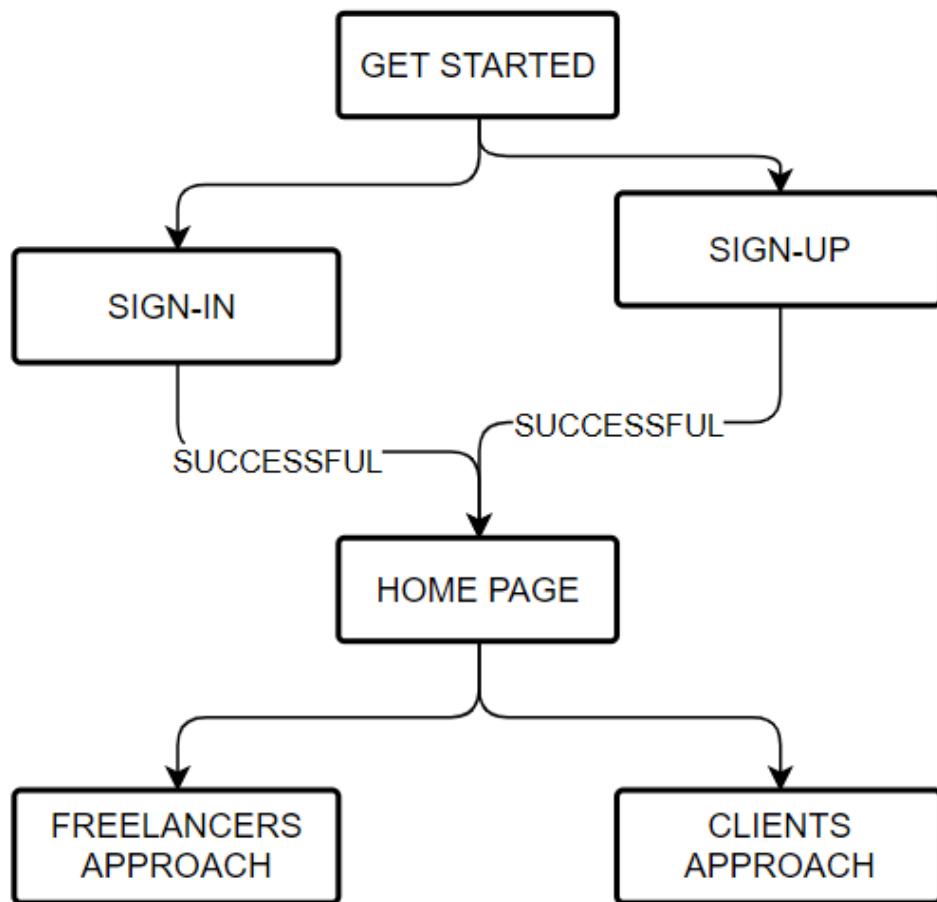
system, we did it using socket.io and it took 2 days to learn the concepts of the socket and 3 days to develop it meanwhile another half of the team worked on the payment system parallelly(using node and express). Developing this chat system and payment system took about 2 weeks and integrating all of them into our project was very challenging. Once we were done with all these we moved to the active projects section and error handling which again took about a week and then deployment where we were to change the DB from MongoDB compass to MongoDB atlas and deployed it using Heroku which wasn't that complex as we were familiar with all commands of gitBash.

4.3 Challenges faced during development

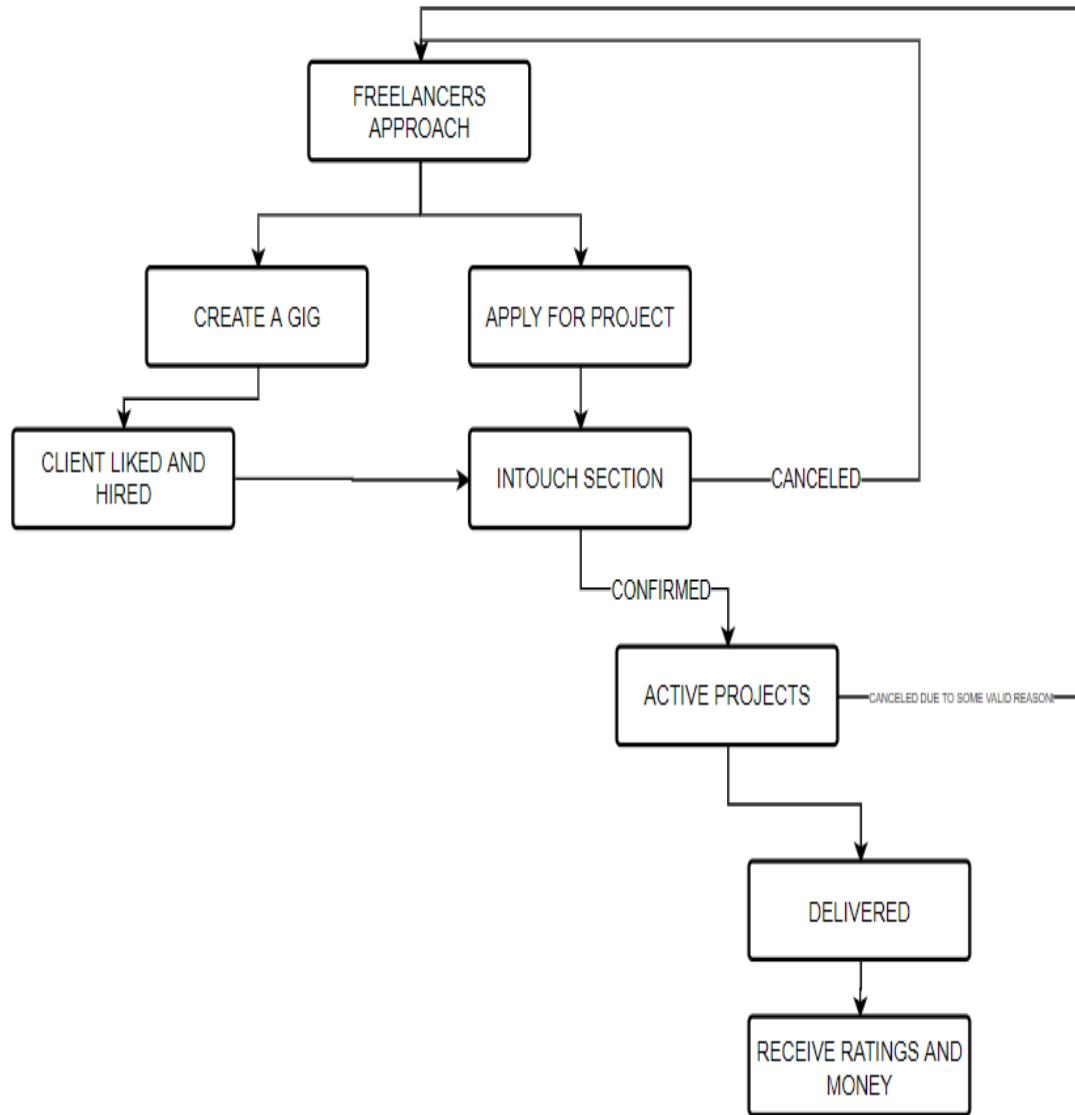
Initially choosing tech stacks became a major problem for us as none of us were professionals in that field. Later after going through a few youtube videos, blogs etc we managed to finalize the tech stack which was approximately a week. Later on, while working, our timings never used to match with each other. Some of us used to work during the mornings and few in the nights so it became really hard for us to conduct meetings and discuss the progress. **The struggle was real !!** Although we've somehow coped with that then immediately there was the biggest nightmare, integrating backend chat and payment system which we learnt quickly and completed in 20 days. After phase2.

4.4 Final Workflow:

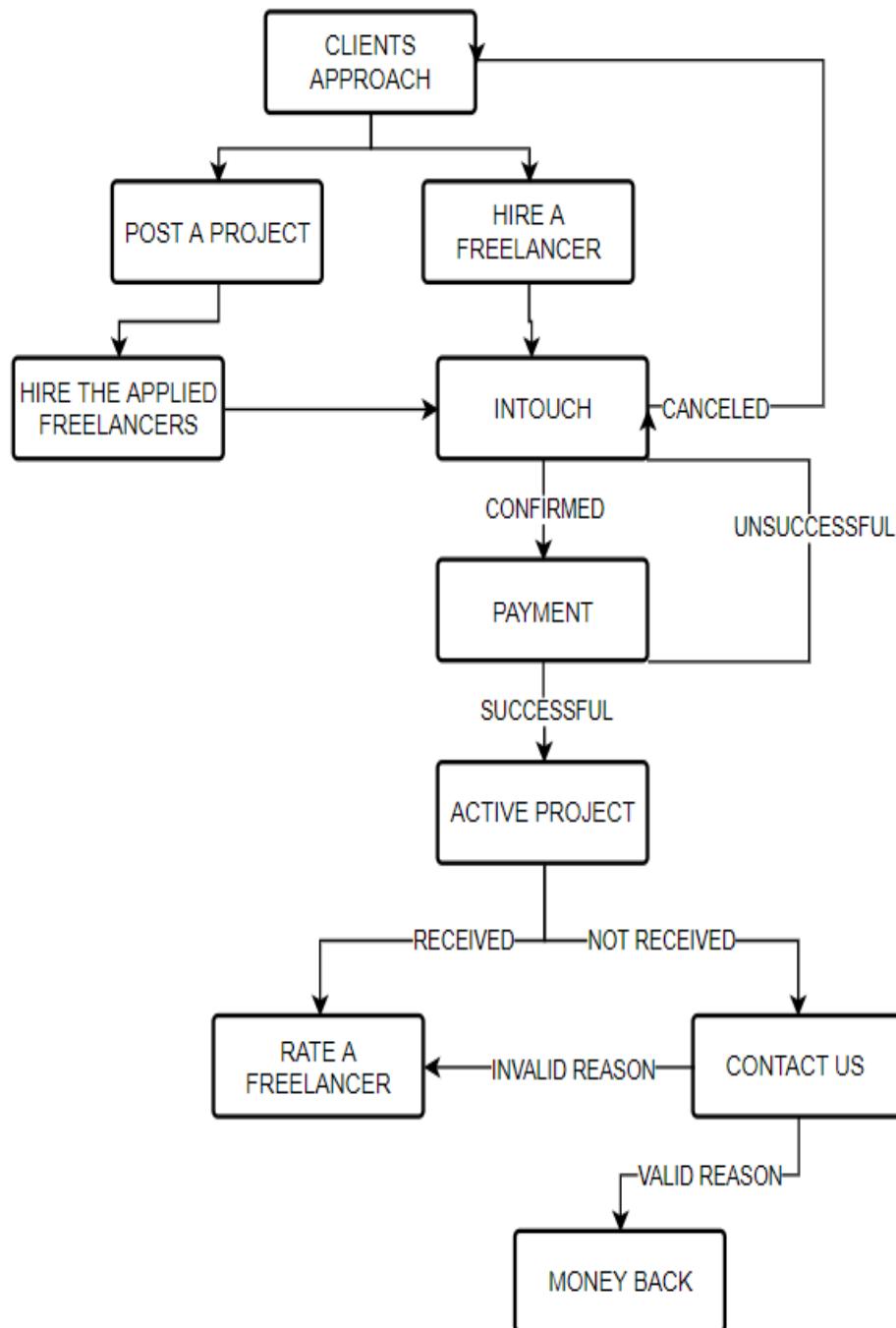
DIAGRAMMATIC WORKFLOW:



FREELANCERS APPROACH:



CLIENTS APPROACH:



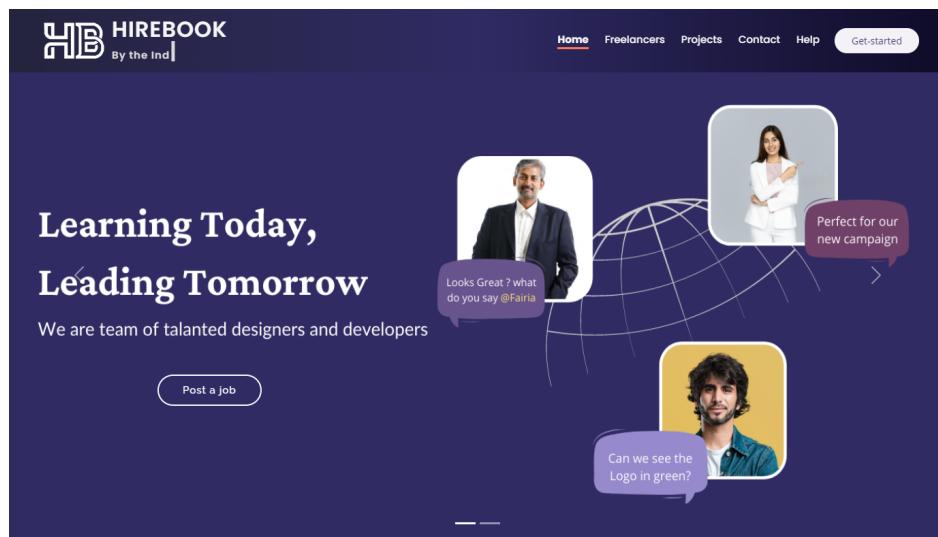
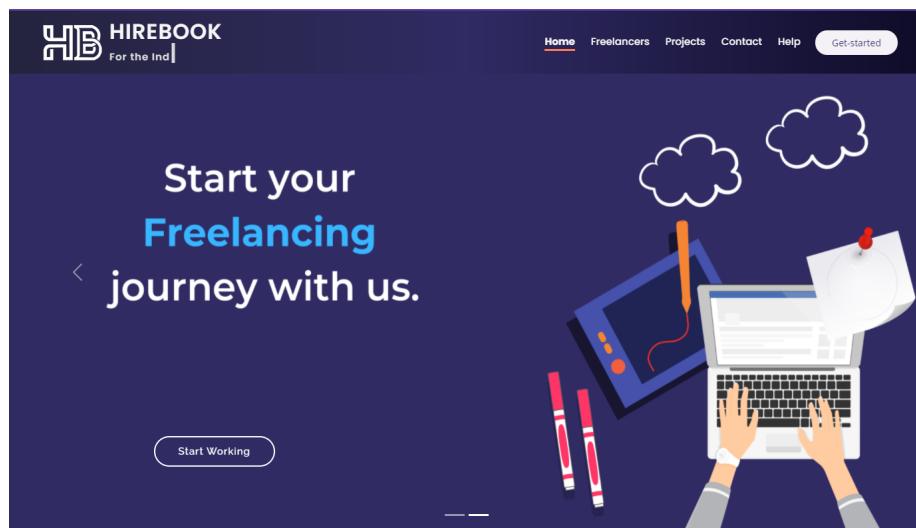
4.4.1.THEORETICAL EXPLANATION OF WORKFLOW:

4.4.1.1.Basic workflow

Landing Page:(Static Page)

The images below show the pages' displayed to our viewer (client or freelancer) as they visit our link.

There are two images, the first image appears on the landing page when the user logs in as a freelancer to post their gigs whereas the other appears when logged as a client to post projects or to hire freelancers.



Brief Description :

Here we have described briefly what makes us stand out of the crowd in competition to other similar sites. In the next cards we brushed about the unique features of our site.

Why Choose Us?

Indian Freelancers work on websites like freelancer, Fiverr. Those who are working on it for a long time easily get projects but the recruits who want to do freelancing to increase their passive income doesn't get projects, so they switch to unofficial platforms like FB & WhatsApp groups, and in many cases after completing the project, clients stop responding to them & they remain unpaid for their work. So we aim to provide them an official & trusted platform to work & easily get clients. Not getting projects and being paid for the work are the major problems.

01

Withdrawal System
Payment is done in dollars so Indians have to use 3rd party (NETeller, Skrill, PayPal) which takes their own commissions. We'll give options to directly withdraw from the bank using UPI, Paytm.

02

We don't charge for premium

Many sites require premium membership after applying for a certain no. of projects in 1 month. And some sites take high commissions around 20% at the time of withdrawal we'll not restrict freelancers to apply on limited no. of projects.

03

Long term and short term
Availability of long term & Short term option. With the help of this option, anyone can hire people for a longer duration doing the same kind of task again and again based on the option marked by the freelancer.

Testimonials :

In order to attain our user's trust, we've added this testimonials section which helps them to examine and come to an opinion, just like how people trust comments more than product description while online shopping.

HEAR FROM OUR CLIENTS

TESTIMONIALS

 **Saul Goodman**
Ceo & Founder
Really nice 99
I got some real amazing talent. The students are really skilled.

 **Jena Karlis**
Store Owner
Really nice 99
*Emim nisi quem export duis labore illum quae magna enim
sint quorum nulla quem veniam duis minim tempor labore quem eram duis
noster aute amet eram fore quis sint minim.* 99

 **Matt Brandon**
Student
Really nice 99
*Fugiat enim eram quae illum dolore dolor amet nulla culpa
multos export minim fugiat minim velit minim dolor enim duis veniam ipsum
anim magna sunt elit fore quem dolore labore illum veniam.* 99

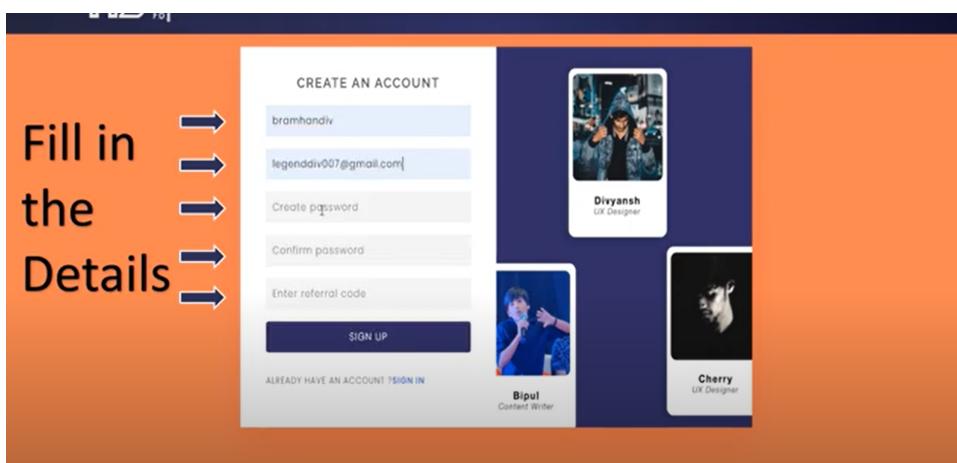
 **John Larson**
Entrepreneur
Really nice 99
*Quis quorum aliqua sint quem legam fore sunt eram irure
alium veniam tempor noster veniam enim vidua labore duis conculpa nulla*

 **Emily Harrison**
Store Owner
Really nice 99
*Eius ipsam praesentium dolor querat inventore rerum odio.
Quoicloudantur adinseri plix. Accusamus autem cunctitate sed monitibus*

SIGN-UP(Dynamic webpage):

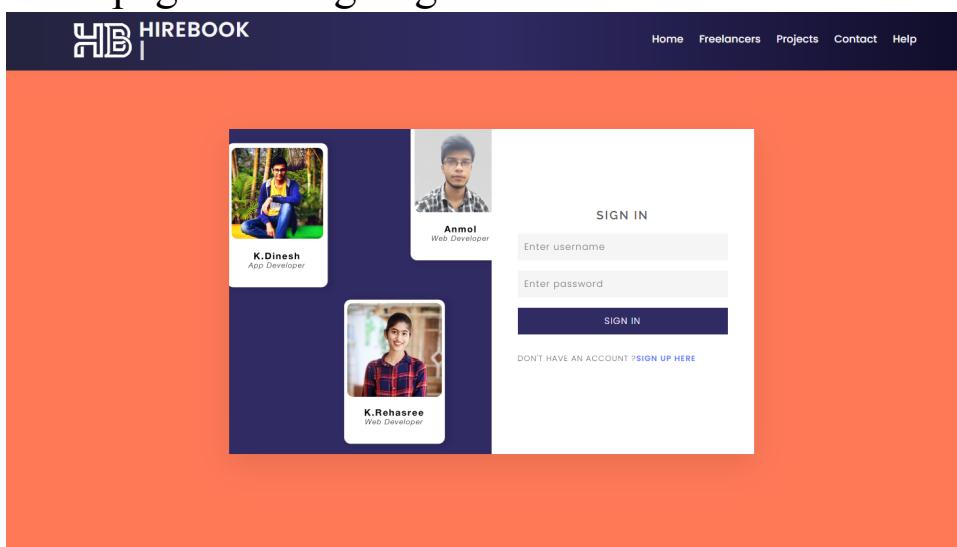
Before starting to work the user needs to sign up to the website. In case they've already signed up they can directly sign in.

Clicking on the “get started” button redirects the user to the signup page where the user needs to enter their username, email, password and confirm password (must be the same as confirm password) and referral code (optional)



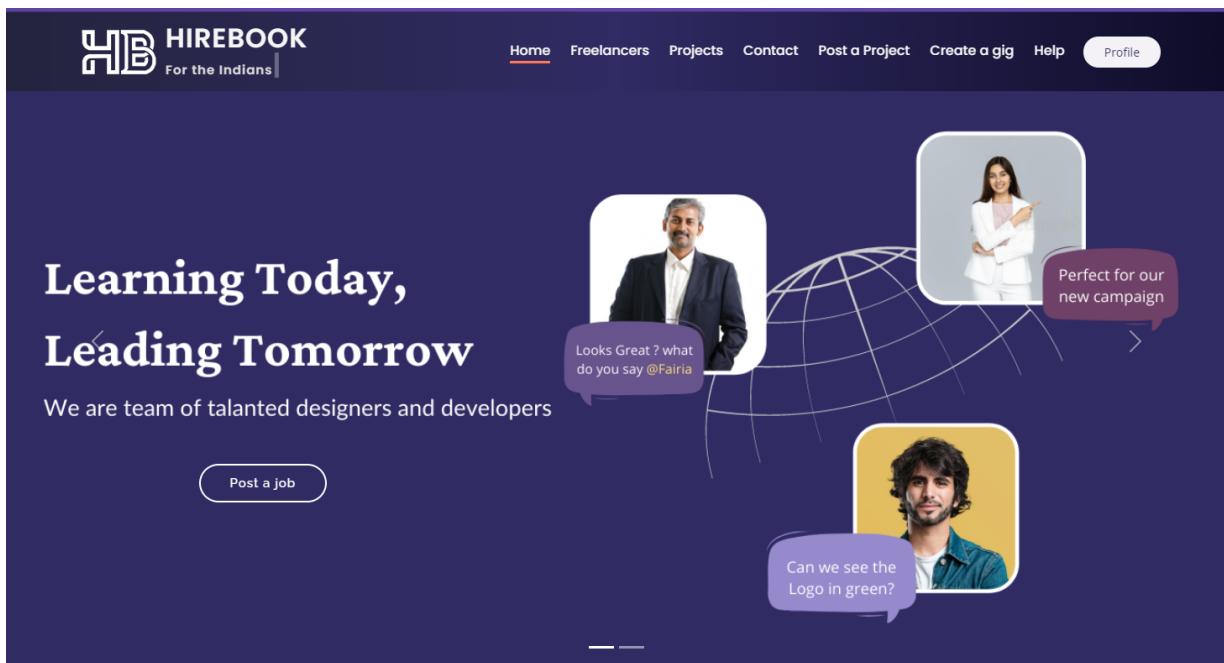
SIGN-IN(Dynamic Web page):

If you are an old user you can directly sign in to your account using your user name and password and you'll be redirected to the Homepage after signing in.

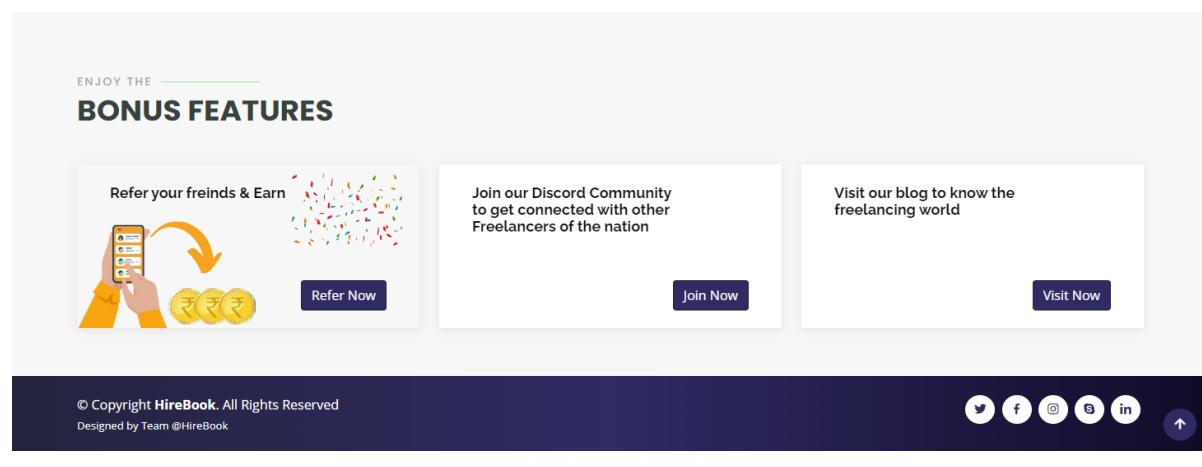


Homepage(After signing in successfully-Static Page):

The structure will be the same as the landing page but an additional section containing BONUS Features, which were created especially to attract more users to our site, was added.

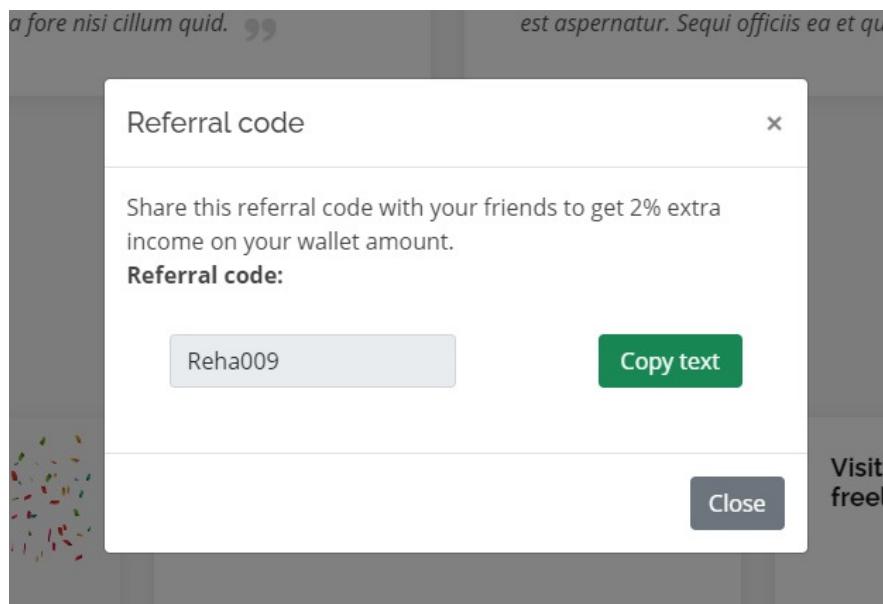


Here is the bonus features section which contains referral code, discord community, and blog.



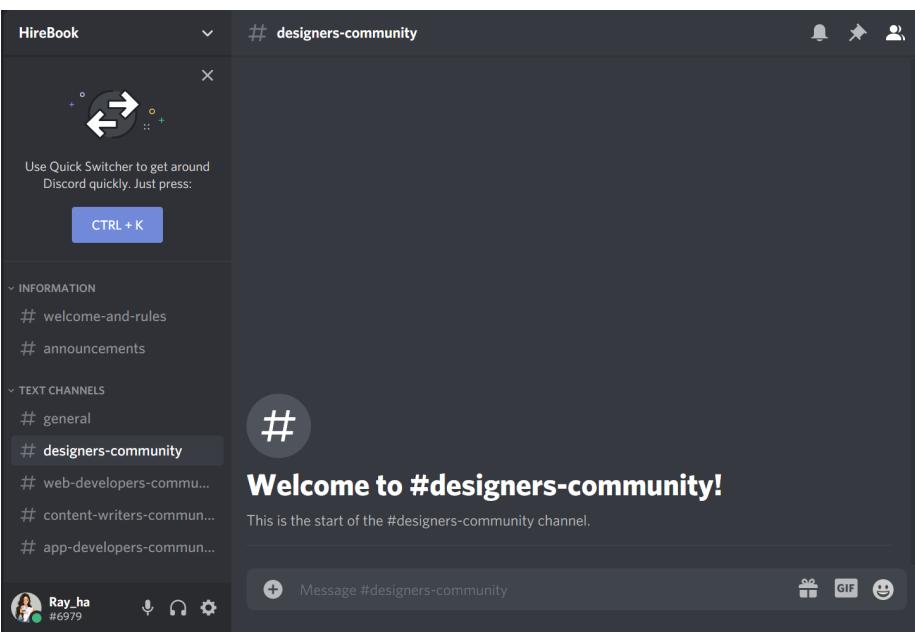
1. Referral code (Generated Dynamically):

This code is unique to each user. When the user clicks on the "refer now" button they'll find the referral code, which when shared with their friends to enter while signing up, helps the user to earn a 2% extra income into their wallet amount.



2. Discord Community :

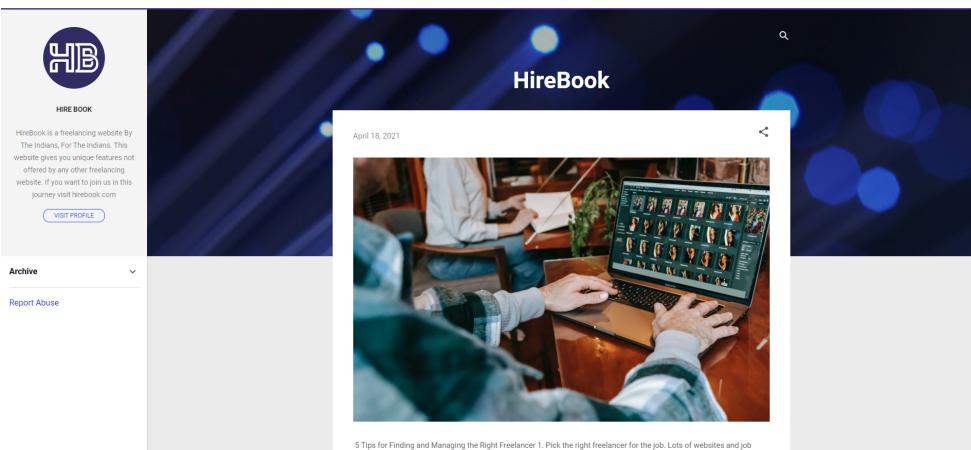
Next up we've added the link to join the discord. Therein we've "**welcome-and-rules**" containing the welcome wishes also a bunch of rules about the functionality in the community and "**announcements**" notifying the freelancers about any new projects available according to their skill set. Next, we have the "**designers-community**" wherein all the designers right from recruits to professionals are present to help each other out with any sort of technical, coding, or any other issues regarding the work. Similarly, we have different communities for all the provided categories of freelancing works on our site.



3. Blog :

The ultimate guide on how to use our site (both as a freelancer and as a client) in order to become a pro. Our blog includes tips for a newbie freelancer on how to make their gigs appear as one amongst the top-rated ones'. It also includes tips for the clients and guides them to be able to smoothly approve or deny any freelancer for their project and close the deal.

If the user found our blog through google or through any other search engine, they can try out our website as the blog contains the link to it.



Help Page:(Static page)

In the navbar, there is a help option, which redirects you to the help page, containing the guides regarding how to use our site, step by step.

The screenshot shows the 'Help' section of the Hirebook website. On the left, a sidebar lists frequently asked questions with links to their respective guides:

- How to Create a Gig?
- How to Edit a Gig?
- How to Post a Project?
- How to Edit a Project?
- How to Apply for Project?
- How to Hire Freelancer?
- How to Withdraw Money?
- How to Deposit Money?

On the right, there are four video tutorials:

- How to Sign UP/ Sign In?**: A thumbnail for a YouTube video titled "How to Sign IN/Sign Up || Tutorial". It features a woman working at a desk with a computer and a clock, with the text "START YOUR FREELANCING JOURNEY WITH US" and "Congratulations You have registered Successfully".
- How to create a Profile?**: A thumbnail for a YouTube video titled "How to create a profile? || Tutorial". It shows a profile edit screen with fields for name, email, and skills.
- How to Post a Project?**: A thumbnail for a YouTube video titled "How to Post a Project || Tutorial". It shows a project posting interface with fields for title, description, and price.
- How to create a Gig?**: A thumbnail for a YouTube video titled "How to create a Gig || Tutorial". It shows a gig creation interface with fields for title, description, and samples.

4.4.1.2.FREELANCERS APPROACH:

(All the webpages used in this are dynamic)

This includes

- 1. Creating a gig and waiting to get approved and hired.**
- 2. Selecting a project that they can work on and applying for it. (win-win if they get selected else there're many more options to choose from!!)**

1.Creating a gig and waiting for someone to hire him/her:

You can find "create a gig" option on the top of the navbar by clicking on it, you will be redirected to the page which as shown below :

The screenshot shows the 'Create your Gig' form on the HireBook website. At the top, there's a dark header bar with the 'HIREBOOK' logo and navigation links for Home, Freelancers, Projects, Contact, Post a Project, Create a gig (which is underlined in red), Help, and Profile. The main form area has a light gray background and is titled 'Create your Gig'. It contains several input fields: 'Gig Title' (empty), 'Describe Your Gig' (empty), 'Category' (dropdown menu), 'Sub-Category' (empty), 'price' (empty), 'Upload your Samples_1:' (input field containing 'sample1'), 'Upload your Samples_2:(optional)' (input field containing 'sample2'), 'Upload your Samples_3:(optional)' (input field containing 'sample3'), 'Upload your thumbnail:' (button with 'Choose File' and 'No file chosen' placeholder), and two large blue buttons at the bottom labeled 'Submit' and 'Cancel'.

Fill in the details and click submit. Once you submit, the details will be added in 2 places.

- 1. User Dashboard**(Visible only to the respective user)
- 2. Freelancers page**(visible to everyone)

User dashboard:

In the gigs tab, you can see all the gigs that you have posted. Here you can also edit and delete the gig you have posted. On clicking the dropdown on the top right corner both edit and delete options will be shown. Clicking on "**delete the gig**" the gig gets deleted permanently from the Hire Book's database.

The screenshot shows the HireBook user dashboard. At the top, there is a dark header with the logo 'HB HIREBOOK' and navigation links: Home, Freelancers, Projects, Contact, Post a Project, Create a gig, and Help. Below the header, the user profile 'Reha Web developer' is displayed, along with a circular profile picture containing the letter 'R'. The left sidebar, titled 'DASHBOARD', contains several menu items: Profile, In Touch, Active Projects, Posted Projects, Gigs (which is highlighted in purple), Wallet, and Log Out. The main content area is titled 'Gigs' and shows a card for 'Gig-1'. The card features a thumbnail image of various devices (laptop, smartphone, tablet) connected to a central cloud icon, with the text 'I can create a website in 2 days' and 'Rs. 2000'. A small dropdown menu above the card offers 'Edit Gig' and 'Delete Gig' options. Below the card, a note says 'Heyaa this is me Here creating a gig'.

On selecting the edit a gig option you will be redirected to the edit page which will be prefilled with details you entered while creating the last gig. Here you can edit all your details and submit them.

Create your Gig

I can create a website in 2 days

Heyaa this is me Here creating a gig

Category: Web development | Price: 2000

Upload your Samples_1: <https://www.instagram.com/>

Upload your Samples_2:(optional) <https://www.instagram.com/>

Upload your Samples_3:(optional) <https://docs.google.com/>

Upload your thumbnail: Choose File developer.jpg

Submit **Cancel**

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Freelancer's Page:

GET MATCHED IN MINUTES WITH PROVEN, REMOTE FREELANCERS.

HIRE PEOPLE FROM DIFFERENT SECTORS

Development And IT Design And Creative Writing And Editing Admin & Customer Support Finance & Accounting Sales And Marketing



Development and IT Starting at : 1000/-

I can create a website in 2 days

Heyaa this is me Here creating a gig

 Reha

Along with all other gigs, your gig will be shown here with its starting price and gig title. This page is classified based on the categories available. In Design and creative, Designers gigs will be shown, in Development and IT, development-related gigs will be shown and by clicking on the image of each card, you will be redirected to complete details of that freelancer.

The screenshot shows a user profile page on the HireBook website. At the top, there's a dark header bar with the 'HIREBOOK' logo and navigation links: Home, Freelancers, Projects, Contact (which is underlined), Post a Project, Create a gig, Help, and Profile.

The main content area features a profile card for a freelancer named 'Reha'. The card includes a circular icon with a globe and icons representing various tech stacks. Below the icon, the name 'Reha' is displayed, followed by the tagline 'I can create a website in 2 days' and the location 'Uttar Pradesh, India'. A 'Skills' section lists 'UI / UX, Front End Developments, HTML, CSS, JavaScript, React, Backend, C++, jQuery'. To the right of the profile card is a 'About Gig' section containing the bio 'Heyaa this is me Here creating a gig' and three links: 'PORTFOLIO LINK' (https://www.instagram.com/), 'GITHUB' (https://www.instagram.com/), and 'LINK TO SAMPLES' (http://localhost:3003/GigEdit). Below these links is a 'AVERAGE RATINGS' section with a five-star rating. A blue 'Hire Me' button is located at the bottom of the profile card.

At the bottom of the page, a dark footer bar contains the copyright notice '© Copyright HireBook. All Rights Reserved' and 'Designed by Team @HireBook'.

2. Selecting a project that they can work on and applying for it:

In the projects section(which will be opened by clicking on Projects present on the navbar) you can find many projects of different categories.

The screenshot shows a project listing on the HireBook website. At the top, there's a dark header bar with the 'HIREBOOK' logo and navigation links: Home, Freelancers, Projects (underlined), Contact, Post a Project, Create a gig, Help, and Profile.

The main content area displays a project card for a 'FULL STACK DEVELOPER' position. The card includes the title 'FULL STACK DEVELOPER', the location 'HINDUSTAN (Vijayawada)', and a note 'Work from home'. Below this, there are four data points: 'START DATE' (Wed Apr 28, 2021 05:30:00 GMT+0530 (India Standard Time)), 'DURATION' (1 month, Long-term), 'STIPEND' (10000), and 'APPLY BY' (Fri May 28, 2021 05:30:00 GMT+0530 (India Standard Time)). A blue 'View more' button is located at the bottom right of the project card.

Once you found the project of your interested domain you can click on the "View more" button

The screenshot shows a project listing on the HIREBOOK website. The project details are as follows:

- Start Date:** Wed Apr 28 2021 05:30:00
- Duration:** 1 month
- Budget:** 10000
- End Date:** Fri May 28 2021 05:30:00
- Timezone:** GMT+0530 (India Standard Time)

Work Description: Web developers work closely with project managers and designers to ensure that final products adhere to predetermined budgets, scope, and designs. Web developers sometimes need to be able to show employers or clients a prototype of a website to help them understand what the finished product will be.

Skills Required: Mern stack, Python(Tensorflow, keras), C, CPP

Position Available: Web Developer

No. of Openings: 34

Apply now

This will show you more details about the project and once you like it, you can click on **apply now** then you will be asked to enter the user name.

A modal window titled "Freelancer Info" is displayed. It contains a single input field labeled "ENTER USER NAME". Below the input field are two buttons: "Close" and "Save changes".

Enter your name here and click on **save changes** and once this is done, your project status will be updated to **Applied**.

The screenshot shows a project listing on the Hirebook platform. At the top, there's a navigation bar with the logo 'HB HIREBOOK For the Indians' and links for Home, Freelancers, Projects (which is underlined), Contact, Post a Project, Create a gig, Help, and Profile.

The main content area displays a job listing for a 'Web Developer'. It includes sections for 'Work Description' (describing web developers' roles), 'Skills Required' (Mern stack, Python, Tensorflow, keras, C, CPP), 'Position Available' (Web Developer), 'No. of Openings' (34), and a 'View more' button. A green 'Applied' button is visible at the bottom right of the listing.

Below the listing, there's a section titled 'CONTENT WRITER' with an upward arrow icon.

This project will be **added to your DashBoard** in the **intouch tab of both client and freelancer** which has the details of the freelancer, client, and project.

Note:

Logged user name can be seen in the Top-left corner
Freelancer's Account:

The screenshot shows the 'In Touch' section of a freelancer's account on the Hirebook platform. The sidebar on the left shows the user profile 'Reha' (Web developer) and navigation links for Dashboard, Profile, In Touch (which is selected and highlighted in blue), Active Projects, Posted Projects, Gigs, Wallet, and Log Out.

The main content area shows a project listing for a 'Full stack Developer'. It includes a thumbnail image, a 'Chat here' button, and detailed information about the project: Start Date (Wed Apr 28 2021 05:30:00 GMT+0530 (India Standard Time)), Duration (Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time)), Stipend (\$10000), and Apply By (Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time)). It also lists the Freelancer Name (Reha) and Client Name (Munny).

Clients Account:

The screenshot shows the HIREBOOK client account interface. On the left, there's a sidebar with a user profile for 'Munny' (Web developer), navigation links like Dashboard, Profile, In Touch (which is selected), Active Projects, Posted Projects, Gigs, Wallet, and Log Out. The main area has a header 'Freelancers Approach' and a 'Thumbnail' section for a 'Full stack Developer'. It details the project start date (Wed Apr 28 2021 05:30:00 GMT+0530 (India Standard Time)), duration (Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time)), stipend (₹10000), and apply by (Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time)). It also shows the freelancer's name (Reha) and client's name (Munny). At the bottom are 'Confirm' and 'Cancel' buttons.

As we don't share the freelancer's personal details with clients we provided a chat option where they can chat with each other and then confirm the project.

Chat app: (Completely Dynamic)

Here a client can create a room and add a freelancer and they can share samples here. Once both of them confirmed the project. The client can come and confirm the project in their intouch part.

The screenshot shows a dynamic chat application interface. On the left, there's a sidebar titled 'My Chats' with a list of conversations: 'Content Writer' (1 image, Apr 30), 'Poster Creation' (yes i acn, Apr 28), 'posvedfagsv' (yeah sure, Apr 28), 'Android Project Manager' (Say hello!), 'POster hiring person' (Yeah sure, Apr 28), 'Project Designing' (Say hello!), and 'Poster Designing'. The main area shows a conversation with 'Content Writer' (bipuls reha). The client says, 'Hey I'M in need of this content in 10 days', and the freelancer replies, 'Ok fine and it costs 500'. Below the messages is a recruitment ad for 'Content Writer'. On the right, there are sections for 'Content Writer', 'People' (listing 'Bipul Gautam' and 'konuru Rehasree'), and 'Photos'.

Once they are done with the conversation they have 2 options

- 1. Cancel the project**
- 2. Confirm the project**

1.Cancel the project:

If the client is not willing to pay the amount demanded by the freelancer or if freelancer is not available during the period once they communicate they can delete the project from there.If any one of them clicked on cancel button. That project will be removed from the intouch section for both of them.

2.Confirm the project:

The screenshot shows a payment interface on the HireBook website. At the top, there's a dark header bar with the 'HIREBOOK' logo and navigation links for Home, Freelancers, Projects, Contact, Post a Project, Create a gig, Help, and Profile. Below the header is a light gray background area containing a form with four input fields: 'Name:', 'E-mail:', 'Phone:', and 'Amount'. A large blue 'Pay Now' button is positioned below these fields. At the bottom of the page, a dark footer bar contains the copyright notice '© Copyright HireBook. All Rights Reserved' and 'Designed by Team @HireBook', along with social media icons for Twitter, Facebook, Instagram, YouTube, and LinkedIn.

The client has to pay the money that he mentioned in the stipend section and click on pay now as soon as the deal gets closed. Then they will be redirected to the payment page.

test

< GO BACK

test Order
Transaction ID: TEST_1619780885601

Amount to be paid
₹10,000

PAY INSTANTLY USING QR CODE
Scan QR code using your Paytm app

paytm

Click to enlarge

SELECT AN OPTION TO PAY

paytm
Pay easily using your saved payment methods
Mobile number registered with Paytm
+91 7777777777 **Proceed**

Remember me

Debit Card

Credit Card

Net Banking

100% Secure Payments Powered by Paytm

PCI-DSS Rupay MasterCard SafeKey Visa

Once this is confirmed they then will be directed to a page where they need to enter the OTP which is sent to their mobile number.

test

< GO BACK

test Order
Transaction ID: TEST_1619780885601

Amount to be paid
₹10,000

PAY INSTANTLY USING QR CODE
Scan QR code using your Paytm app

paytm

Click to enlarge

SELECT AN OPTION TO PAY

paytm
Pay easily using your saved payment methods

Enter OTP sent to mobile number +91 7777777777 [Change Number](#)

Verify

OTP not received? [Request Another OTP](#)

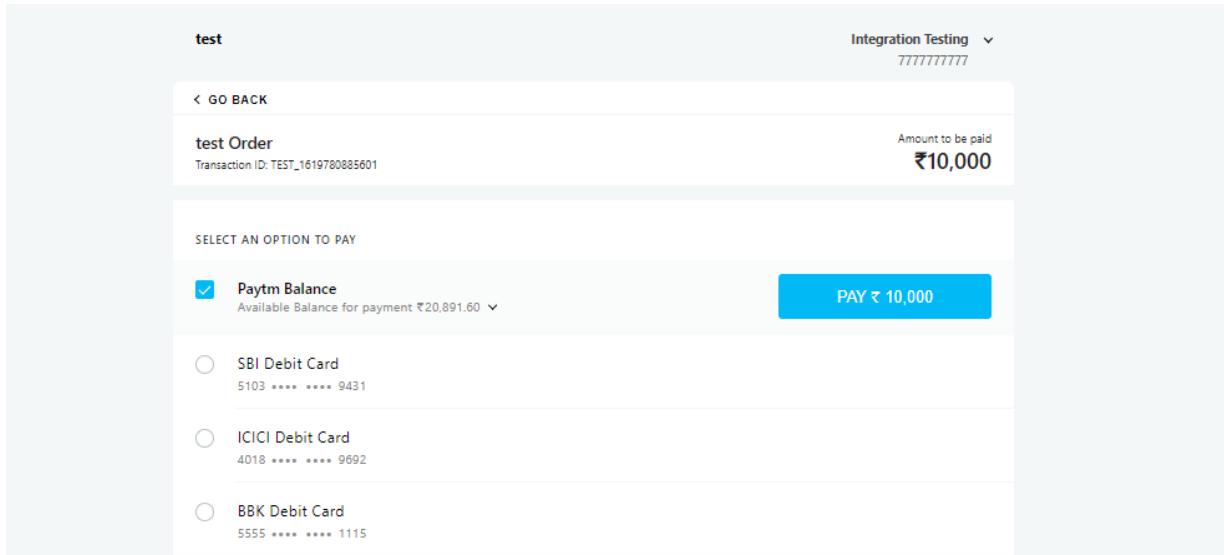
Debit Card

Credit Card

Net Banking

100% Secure Payments Powered by Paytm

Then it shows all the accounts that are connected to mobile numbers and clicking on pay now will make the payment successful.



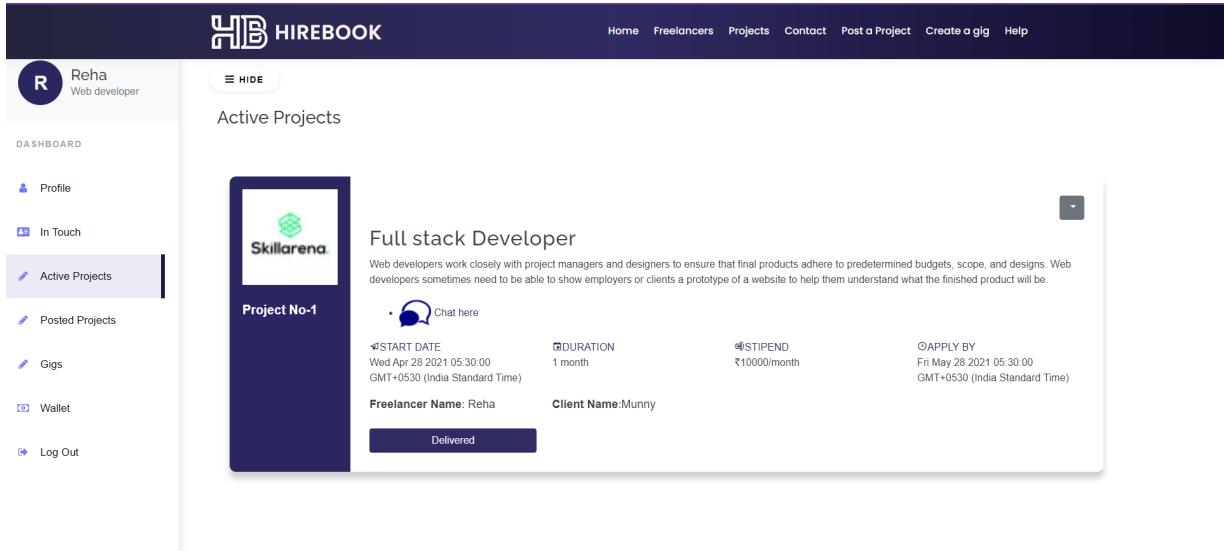
Once the payment is done, the project will be moved to the active projects section in the respective profile tab of the freelancer and client.

Intouch section will be updated to confirm to both freelancer and client

Active Projects section:

Freelancer's Account:

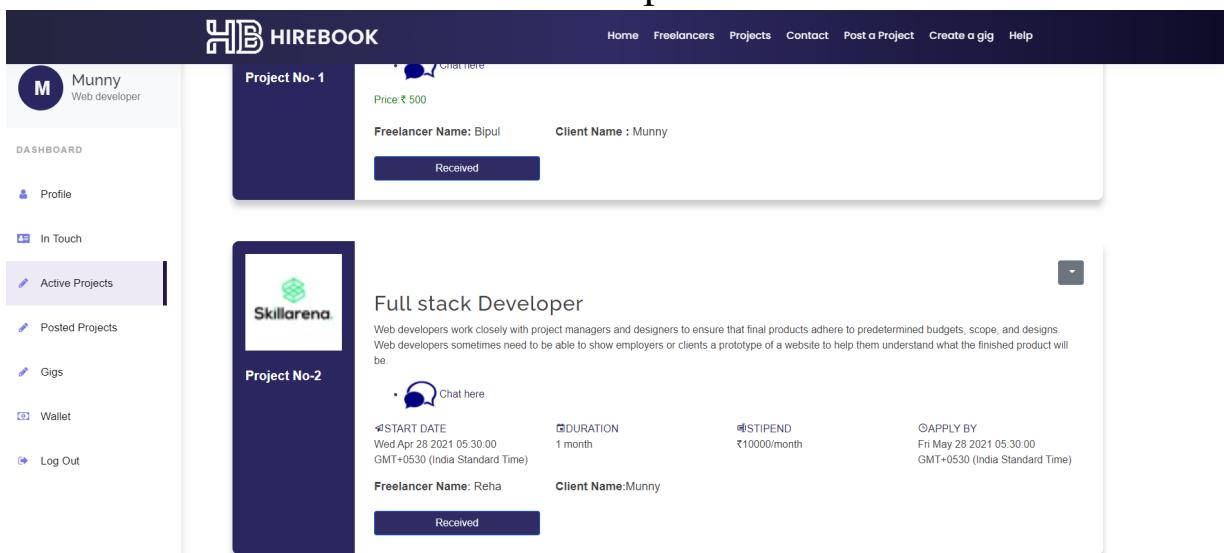
Freelancer will be have the Delivered Option



The screenshot shows the Hirebook platform interface for a freelancer named Reha. The left sidebar has a purple background for the 'Active Projects' tab. The main content area displays a project titled 'Full stack Developer' from 'Skillarena'. The project details include: Start Date: Wed Apr 28 2021 05:30:00 GMT+0530 (India Standard Time); Duration: 1 month; Stipend: ₹10000/month; Apply By: Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time). It also shows 'Freelancer Name: Reha' and 'Client Name: Munny'. A large blue button at the bottom right of the card says 'Delivered'.

Clients Account :

The client will have the Received option

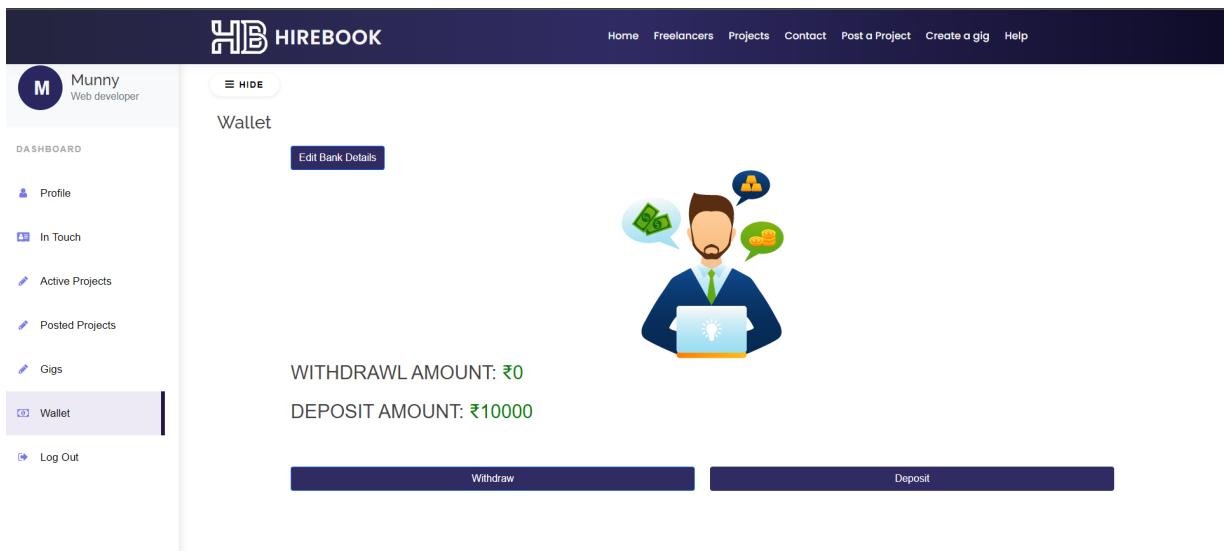


The screenshot shows the Hirebook platform interface for a client named Munny. The left sidebar has a purple background for the 'Active Projects' tab. The main content area displays a project titled 'Project No-1' from 'Skillarena'. The project details include: Price: ₹ 500; Freelancer Name: Bipul; Client Name: Munny. A large blue button at the bottom right of the card says 'Received'. Below this, another project titled 'Full stack Developer' is shown with similar details, including a 'Received' button at the bottom right.

Once the payment is done and the amount gets debited from the

clients account, we secure it until the project completion. If incase the project gets cancelled due to any valid reason they can contact us and only after proper validation the amount would be credited back to the client.

Wallet tab in Clients account:



Case-1 :

Project completed successfully :

1. Freelancer must click on delivered.
2. Similarly clients must click on received, then they will get a pop-up to rate the freelancer which will help us to sort their gigs later on.

A screenshot of a web application interface. At the top, there's a header with the text "Full stack developer". Below it, a modal window titled "Modal title" is open, containing a text input field with the placeholder "Rate your freelancer out of 5". There are two buttons at the bottom of the modal: "Close" and "Save changes". In the background, there's a dark overlay of the main page. On the left, there's a sidebar with a profile picture of a person named "Reha" and the title "Web developer". The main content area shows project details: "START DATE" (Wed Apr 28 2021 05:30:00 GMT+0530 (India Standard Time)), "DURATION" (1 month), and "BUDGET" (₹10000/month). Below these details, it says "Freelancer Name: Reha" and "Client Name: Munny". A progress bar at the bottom indicates "Received" status.

Once the rating is given, the projects will be moved out of the active projects section of both the freelancer and the client.

A screenshot of a freelancer's dashboard on the "HIREBOOK" platform. The top navigation bar includes links for Home, Freelancers, Projects, Contact, Post a Project, Create a gig, and Help. The main content area is titled "Active Projects". On the left, there's a sidebar with a profile picture of "Reha" and the title "Web developer". The sidebar also lists "DASHBOARD", "Profile", "In Touch", "Active Projects" (which is highlighted with a purple background), "Posted Projects", "Gigs", "Wallet", and "Log Out".

Wallet amount gets updated for both. As the project gets complete implying the client had no complaints the securely deposited amount will show a zero and that amount will be reflected in the freelancer's account.

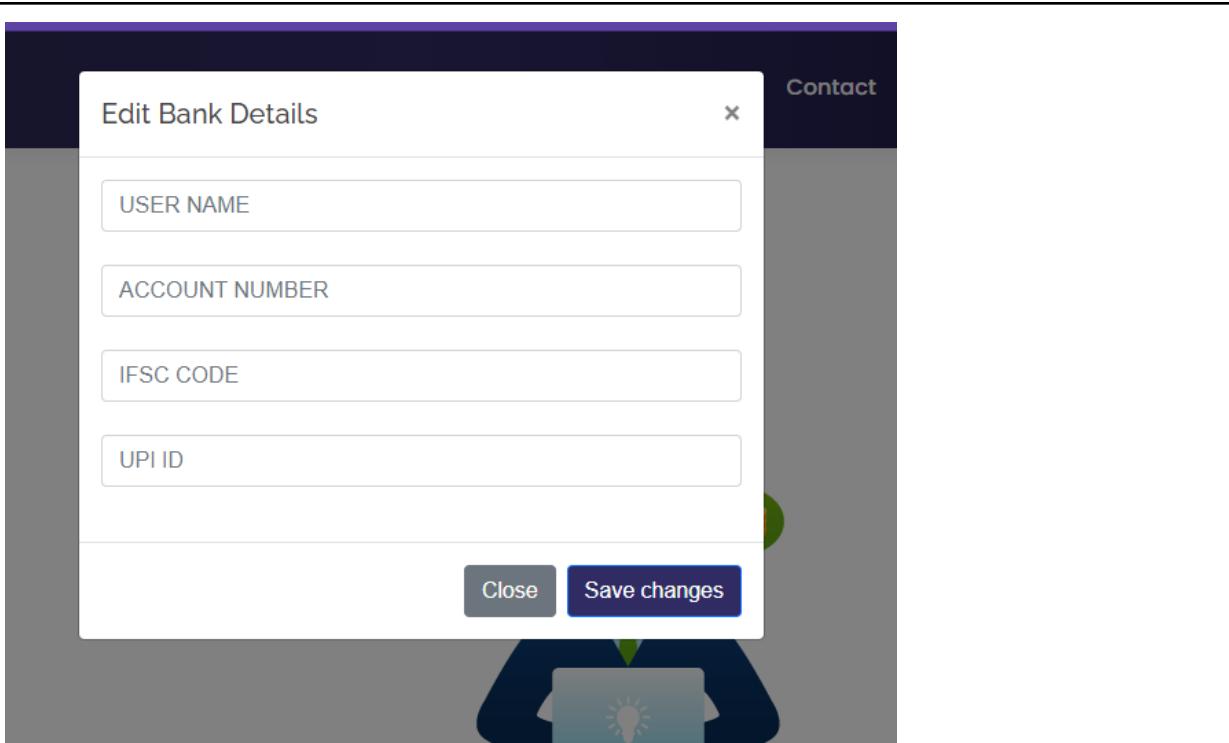
Clients account:

The screenshot shows the 'Wallet' section of the Hirebook client account. At the top, there's a navigation bar with the 'HIREBOOK' logo and links for Home, Freelancers, Projects, Contact, Post a Project, Create a gig, and Help. On the left, a sidebar menu includes Profile, In Touch, Active Projects, Posted Projects, Gigs, and Wallet (which is highlighted). Below the sidebar is a 'DASHBOARD' section with icons for Profile, In Touch, Active Projects, Posted Projects, Gigs, and Wallet. A 'Logout' button is also present. The main content area is titled 'Wallet' and features a 'Edit Bank Details' button. It displays two status lines: 'WITHDRAWL AMOUNT: ₹0' and 'DEPOSIT AMOUNT: ₹0'. Below these lines are 'Withdraw' and 'Deposit' buttons. To the right of the text is a cartoon illustration of a person working on a laptop with speech bubbles showing money symbols.

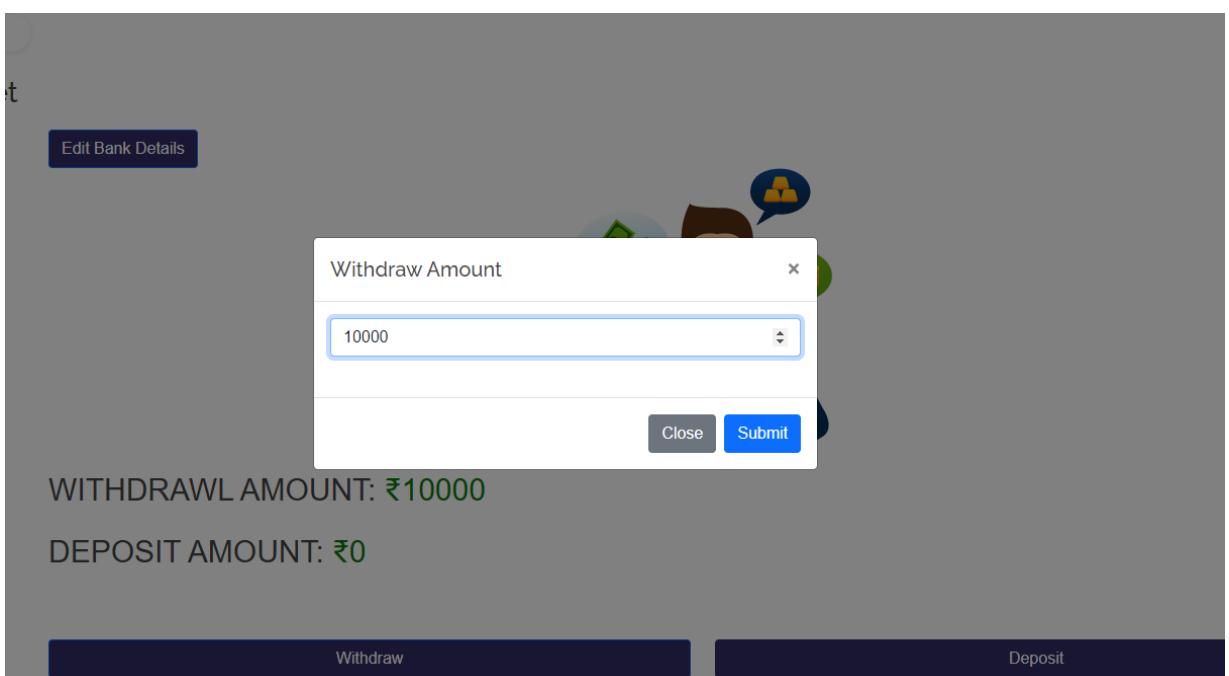
Freelancers Account:

The screenshot shows the 'Wallet' section of the Hirebook freelancer account. The layout is identical to the client's, with the 'HIREBOOK' logo at the top and a sidebar with Profile, In Touch, Active Projects, Posted Projects, Gigs, and Wallet (highlighted). The 'DASHBOARD' section below the sidebar includes icons for Profile, In Touch, Active Projects, Posted Projects, Gigs, and Wallet. A 'Logout' button is also present. The main content area is titled 'Wallet' and features a 'Edit Bank Details' button. It displays two status lines: 'WITHDRAWL AMOUNT: ₹10000' and 'DEPOSIT AMOUNT: ₹0'. Below these lines are 'Withdraw' and 'Deposit' buttons. To the right of the text is a cartoon illustration of a person working on a laptop with speech bubbles showing money symbols.

Click on edit bank details and enter the bank details to withdraw the amount :



Here you need to enter the withdrawal amount and submit it



Once this is done ,within a span of 2hrs your amount will be credited in your bank account.

Case-2 :

The project was stopped due to some reasons :

The client can click on contact us(Navbar) and send us a message which will be verified with the freelancer of that project only then give the deposited money back to the client.

The screenshot shows the Hirebook website interface. At the top, there is a dark header bar with the logo "HIREBOOK For the Indians" and navigation links: Home, Freelancers, Projects, Contact, Post a Project, Create a gig, Help, and Profile. Below the header is a map of a region in Andhra Pradesh, India, showing various locations like Tadepalli Reserve Forest, MV Office Mangalagiri, Mangalgiri Reserved Forest, Vaddepuram, Vaddeswaram Bridge, Kothapally, Prathur, Tadigadapa, Pedapulipaka, Penamalur, Edupugallu, Gosala, Gangulpadu, Komatigunta, and Chikka. A red dot marks the location of the message recipient. The main content area features a contact form with fields for Location (Vijayawada, Andhra Pradesh), Email (rehasreekonuru@gmail.com), and Call (+9999999999). There are also input fields for Your Name, Your Email, Subject, and Message. A "Send Message" button is at the bottom right. Below the form, a success message says "Loading Your message has been sent. Thank you!"

4.4.1.3.CLIENTS APPROACH:

(All the pages used in this process are Dynamic webpages)

- 1.Post a Project and wait for the freelancers to apply for it**
- 2. Go to the freelancer's page and hire a freelancer**

- 1.Post a Project and wait for the freelancers to apply for it**
You will find a post project option in the navbar. Click on it.

The screenshot shows the 'Add Project Details' form on the Hirebook website. The form is divided into several sections: 'Company Name' and 'Position Available'; 'Start Date' and 'Apply by' (both with date input fields); 'Type of Project', 'Duration in months/weeks', and 'Stipend (₹/-)'; 'Work location' and 'Skills required*'; 'no. of openings' and 'Website link'; 'Job Title' and 'Company Location'; and a large 'work Description' text area. At the bottom are 'Submit' and 'Cancel' buttons.

Fill in the details and click on submit. Now this project will be shown in 2 places

1. User's Dashboard(visible to only posted user)
2. Projects section(Visible to every logged in user)

User's Dashboard:

Here you will have the list of all your posted projects and a dropdown with an edit and delete option.

Edit option lets you to edit the details of the project anytime and delete project will let you to delete the project anytime before the deadline.

Munny
Web developer

DASHBOARD

- Profile
- In Touch
- Active Projects
- Posted Projects**
- Gigs
- Wallet
- Log Out

Project-2
iiitians network
Content Writer

Project-3
RehaSol
Content Writer

Work Description

Collaborating with the client and production team members to understand needs, review scripts, design storyboards, and... Using software and other techniques to produce animations. Listening to feedback and altering animations to better suit client needs. Ensuring that the final product aligns with the needs of the client and is delivered on time without exceeding the budget.

START DATE: Fri Apr 30 2021 05:30:00 GMT+0530 (India Standard Time)

DURATION: 15 days months

STIPEND: ₹1000/month

APPLY BY: Sat May 15 2021 05:30:00 GMT+0530 (India Standard Time)

Edit **Delete**

Work Description

Collaborating with the client and production team members to understand needs, review scripts, design storyboards, and... Using software and other techniques to produce animations. Listening to feedback and altering animations to better suit client needs. Ensuring that the final product aligns with the needs of the client and is delivered on time without exceeding the budget.

START DATE: Fri Apr 30 2021 05:30:00 GMT+0530 (India Standard Time)

DURATION: 1 month months

STIPEND: ₹2000/month

APPLY BY: Sun May 30 2021 05:30:00 GMT+0530 (India Standard Time)

Edit **Delete**

Projects section:

This project will be posted in the projects section as shown below. Now wait until the freelancer approaches you. The further process is explained in freelancers approach (refer to page no. 27).

CONTENT WRITER

REHASOL(📍 Vijayawada)

Work from home

START DATE: Fri Apr 30 2021 05:30:00 GMT+0530 (India Standard Time)

DURATION: 1 month
Long-term

STIPEND: 2000

APPLY BY: Sun May 30 2021 05:30:00 GMT+0530 (India Standard Time)

View more

View more

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Designed by Team @HireBook

[Twitter](#) [Facebook](#) [Instagram](#) [Email](#) [LinkedIn](#)

2. Go to the freelancers page and hire a freelancer:

Freelancers page:

GET MATCHED IN MINUTES WITH PROVEN, REMOTE FREELANCERS.

HIRE PEOPLE FROM DIFFERENT SECTORS

Development And IT Design And Creative Writing And Editing Admin & Customer Support Finance & Accounting Sales And Marketing



Development and IT Starting at : 1000/-

I can create a website in 2 days

Heyaa this is me Here creating a gig

 Reha

Check out all the gigs, select the best one and click on the gig to open the profile of the freelancer.

HIREBOOK Home Freelancers Projects Contact Post a Project Create a gig Help Profile



Reha

I can create a website in 2 days

Uttar Pradesh, India

Skills

UI / UX, Front End Development, HTML, CSS, JavaScript, React, Backend, C++, Jquery

About Gig

Heyaa this is me Here creating a gig

 PORTFOLIO LINK <https://www.instagram.com/>

 GITHUB <https://www.instagram.com/>

 LINK TO SAMPLES <http://localhost:3003/GigEdit>

AVERAGE RATINGS 

[Hire Me](#)

Click on Hire me and enter the user name and click on save changes . It will be moved to intouch part for both freelancer and client .

The screenshot shows the HireBook interface. At the top, there's a navigation bar with links: Home, Freelancers, Projects, Contact (which is underlined), Post a Project, Create a gig, Help, and Profile. Below the navigation, there's a dark sidebar on the left containing a profile picture, the name 'Reha', a skill statement ('I can create a website in 2 days'), a location ('Uttar Pradesh, India'), and a skills section listing 'UI / UX , Front End Development, HTML, CSS, JavaScript, React , Backend, C++, Jquery'). On the right, there's a 'About Gig' section with a message 'Heyaa this is me Here creating a gig'. Below it is a 'PORTFOLIO LINK' with a URL 'https://www.instagram.com/'. A 'Chat Details' modal is open, showing a text input field with the value 'Munny' and a 'Save changes' button. There are also 'Close' and 'Hire Me' buttons at the bottom of the modal.

Once it is moved to intouch part

Client account:

The screenshot shows the client account dashboard. At the top, there's a header with the 'HIREBOOK' logo and a navigation bar with links: Home, Freelancers, Projects, Contact, Post a Project, Create a gig, Help, and Profile. The left sidebar contains a profile picture, the name 'Munny', and the title 'Web developer'. Below that are sections for 'DASHBOARD', 'Profile', 'In Touch' (which is highlighted with a blue border), 'Active Projects', 'Posted Projects', 'Gigs', 'Wallet', and 'Log Out'. The main content area displays two gigs. The first gig is for a 'Designer' with a price of ₹500, and the second gig is for 'I can create a website in 2 days' with a price of ₹1000. Both gigs show a 'Confirmed' status and have a 'Chat here' button. At the bottom of each gig card, there are 'Confirm' and 'Cancel' buttons.

Freelancer Account:

The screenshot shows the Hirebook platform interface. On the left, there's a sidebar with a user profile for 'Reha' (Web developer), navigation links like Dashboard, Profile, In Touch, Active Projects, Posted Projects, Gigs, Wallet, and Log Out, and a 'Clients Approach' section. The main area displays a project card for a client named 'Munny'. The card includes details: Date (Wed Apr 28 2021 05:30:00 GMT+0530 (India Standard Time)), Time (Fri May 28 2021 05:30:00 GMT+0530 (India Standard Time)), Price (₹10000), and a status bar at the bottom with 'Confirmed'. Below this, another project card is shown for 'Skillarena' with the text 'I can create a website in 2 days', a price of ₹1000, and a 'Chat here' button. The 'In Touch' section is highlighted in purple.

Here again, the process is the same as explained above in the freelancer's approach (refer to page no. 32). They'll have a conversation and once both agree to it, they can confirm the same. Else either of them can cancel it and consequently, the project card will be removed from the intouch section. If they've decided to close the deal and confirm the same, the project card moves to the active projects section and the wallet will be updated and the drill is the same as before.

-----THANK YOU-----

“A creative project is a moving target , you never end up where you start”