INTERNET AND WEB PROGRAMMING

CSE 3002

J COMPONENT REPORT

Fall Sem 2021-22

IDEA INVEST

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ACKNOWLEDGEMENT

We would like to acknowledge all those without whom this project would not have been successful. Firstly, we would like to thank our Internet and Web programming 'Prof. Nalini N' who guided us throughout the project and gave his immense support. She made us understand how to complete this project and without his presence, this project would not have been complete. We also got to know a lot about web platforms and its benefits. This project has been a source to learn and bring our theoretical knowledge to the real-life world. Once again, thanks to everyone for making this project successful.

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ABSTRACT

Nowadays the most emerging platform for engineering graduate students is a Start-up in which they can fulfil their dreams. But everyone might not have enough financial support to build the start-up company on their own.

This project consists of a web portal in which the voluntary sponsors can see the theme of the Start-ups and if they are interested then the sponsors can communicate through our web portal and can invest some amount as per the start-up's requirement and then the sponsors can expect the share in start-ups profits. This web portal might help beginners to build up their start-up platform.

1. INTRODUCTION

1.1. SYSTEM OVERVIEW

Many students these days come up with new ideas but don't have investment. Our website will be helpful for them! The students can pitch their ideas on our platform and an interested investor can invest in that idea. This will be helpful for the individual in starting their start-up! The investor will be able to check all the ideas provided by people and will be able to decide if he or she wants to invest. The investor isn't restricted to any one domain. In the end, if an investor invests in an idea, both the investor and the individual will pay us.

Hence the main objective of this web portal is to have an interaction between the sponsors and the start-ups for their requirements financially.

1.2. OBJECTIVE

This project consists of a web portal in which the voluntary sponsors can see the theme of the Start-ups and if they are interested then the sponsors can communicate through our web portal and can invest some amount as per the start-up's requirement and then the sponsors can expect the share in start-ups profits. This web portal might help beginners to build up their start-up platform.

1.3. PROBLEM IDENTIFICATION

These are some of the problems faced by a person who wants to start a start-up!

- ❖ Financial Resources
- ❖ Revenue
- ❖ Team
- ❖ Supporting Infrastructure
- ❖ Creating Awareness in Markets
- ❖ Exceed Customer
- ❖ Tenacity of Founders
- ❖ Regulations
- ❖ Growth
- ❖ Lack of Mentorship
- ❖ Lack of a Good Branding Strategy
- ❖ Replicating Silicon Valley

1.4. APPLICATIONS

This web application can be used by any company to invest in new ventures

- ❖ Angel Investors can have a look at this website.
- ❖ New ideas can be implemented.
- ❖ There is no domain limitation
- ❖ Can be used by anyone.

1.5. LITERATURE SURVEY

1)START-UPS EVALUATION WITH THE HELP OF WEB-BASED PLATFORMS:

In reality, there are great difficulties in making investment decisions on financing start-ups due to the assessment complexity of the project's financial prospects. When a start-up needs its first financial investments, the initiators have nothing but an idea, and often there is not even a promising model, prototype, or other form that the start-up idea could take. Traditional methods of financing are often not available for start-ups due to strict conditions as a result young companies work with crowdfunding platforms, venture funds and "business angels" (Blank & Bustard, 2017, p. 224).

2)Strategies of Start-up Evaluation on Crowd investing Platforms:

The financing of early-stage start-ups has seen significant changes in recent years, due to two trends. First, the 2008 global financial crisis undermined trust in investment activities that were controlled and operated by large financial institutions (banks, insurance companies and trust companies) located in, or connected to, major financial centres. Second, the rapid development of internet technologies facilitated the expansion of bottom-up initiatives driven by new, multi-functional and multi-sided platforms, based on new models of digital economic circulation (Evans et al., 2011; Langley, Leyshon, 2016).

3)Business ideas in start-ups:

Start-up is a modern entrepreneurship form designed to realize original business ideas, mostly based on new technologies and the Internet. It evolves in the development cycle, which is determined by the business idea development cycle and the financing cycle. The purpose of the paper is to describe and analyse the business idea. The business idea is characterized by its content, circumstances of its origin, degree of originality and evidence of this originality. Start-ups are dominated by business ideas based on the application of information and communication technologies, the business idea is most often created by combining professional and business experience, but its originality is from the international point of view only average and the level of legal protection is quite rare.

4)Analysis of financing sources for start-up companies:

This paper presents the development of start-up companies, their types and potential sources of financing with special emphasis on financing ventures in Croatia. The expected scientific contribution supports the defining stages of development for start-ups, as well as their financing sources at each stage. The goal of the research was to investigate whether Croatia has made a shift from traditional to newer methods of financing. Scientific and research contributions of the paper are reflected in the fact that there is a relatively small number of papers, especially in the domestic literature, that address these issues. Therefore, this research can contribute to a better understanding of the financing strategy of entrepreneurial ventures. Presented and interpreted results could be a useful basis and encouragement for further research in this and similar topics related to the start-up scene at the local as well as the global level. © 2014, University of Split - Faculty of Economics. All rights reserved.

1.6. LIMITATIONS

❖ Sometimes Ideas may be implemented by some others
❖ Just Signup doesn't create an account because manual verification will be done
❖ This is to ensure the idea can't be stolen by someone.
❖ Confirmation should be done by the admin
❖ So, It might get delayed.

2. SYSTEM ANALYSIS

2.1. EXISTING SYSTEM

❖ Nearly Most of the Reputed Institutes are supporting their Student's Start-up Ideas.
❖ They are encouraging students to make their start-up recognized by the "Start-up India" Program. The funding for these startups is given by their Universities.
❖ The selection of items would be based on the entrepreneurs' expertise and the area of operation.

Online food delivery	**FRESHMENU, SWIGGY**
Online fish, meat delivery	**FRESHTOHOME**
Big data analytics for trade	**PEELWORKS**
Online pharmacy	**MYRA**

2.2. PROPOSED SYSTEM

2.2.1. On Client Side

I. Client gets registered by submitting the specified Documents.
II. Once the registration part is verified then the client can send a request to the sponsor.
   ❖ The client can also post the Abstract to the open Stack of Abstract which will appear to everyone.

2.2.2. On the sponsor side

I.   The sponsor gets registered by submitting the specified Documents.
II. Once the registration part is verified then the Sponsor can start selecting the satisfied Themes of Start-ups.
III. If the Sponsor is Interested in a Start-Up Idea, then the sponsor can contact the Client.
IV. The Sponsors can expect the shares of the company or the percentage in profits as in the return of Investment.

2.2.3. Company Side

I.   The Admin of the Company must verify the documents submitted by the Client and the sponsor, if there is any issue in verification the admin must contact the user.
II. The admin must conduct a meeting for both the sponsor and the client for confirming the Legal conditions accepted between them.

2.2.4. Benefits of Proposed System

This website provides security for ideas provided by the clients and professional agreement will be given.

3. REQUIREMENT SPECIFICATION

3.1. HARDWARE REQUIREMENTS

❖ Laptop 4 GHz minimum, multi-core processor
❖ Memory (RAM) 4GB, preferably higher, and commensurate with concurrent usage
❖ Hard disk space 1TB

3.2. SOFTWARE REQUIREMENTS

❖ Windows 2016
❖ Visual Studio Code
❖ Notepad++
❖ Xampp/ Apache web server

3.3. COMPONENTS USED

❖ Microsoft Edge
❖ Mozilla Firefox
❖ Google Chrome
❖ Safari

4. ARCHITECTURE DESIGN SPECIFICATION

4.1. SYSTEM ARCHITECTURE
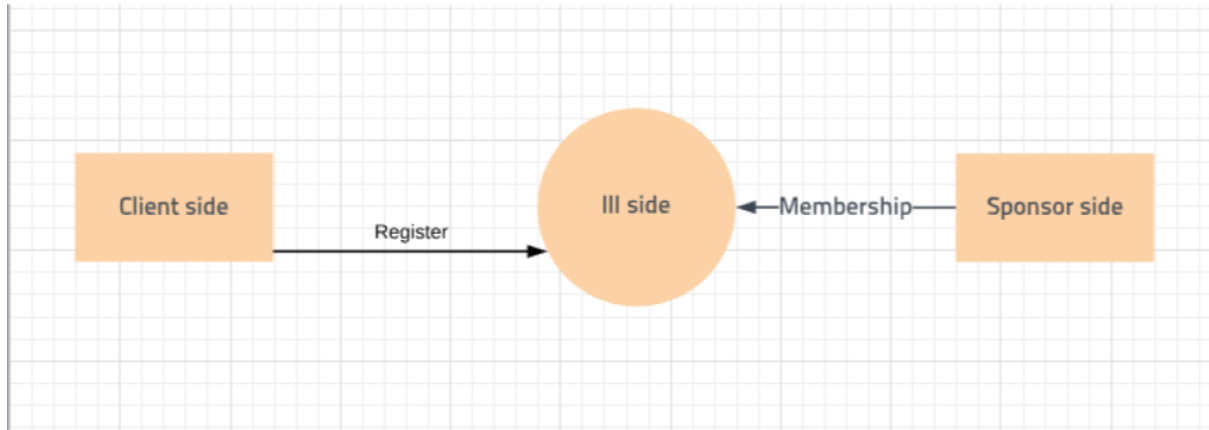
In this project, there will be three sides.

1) Client side

2) III Side

3) Sponsor side

- Client usually register and implement their ideas in the III
- Sponsor sign up and check the available ideas and implement by investing.
- III make sure by approving the credentials for Client and Sponsor. III can see ideas and sponsorships
- which are offered.
- III will be in higher tier followed by Sponsor side and Client Side
- Signup and sign in will be the same portal for all the sides. But the location will be based on the modules

4.2. DETAILED DESIGN
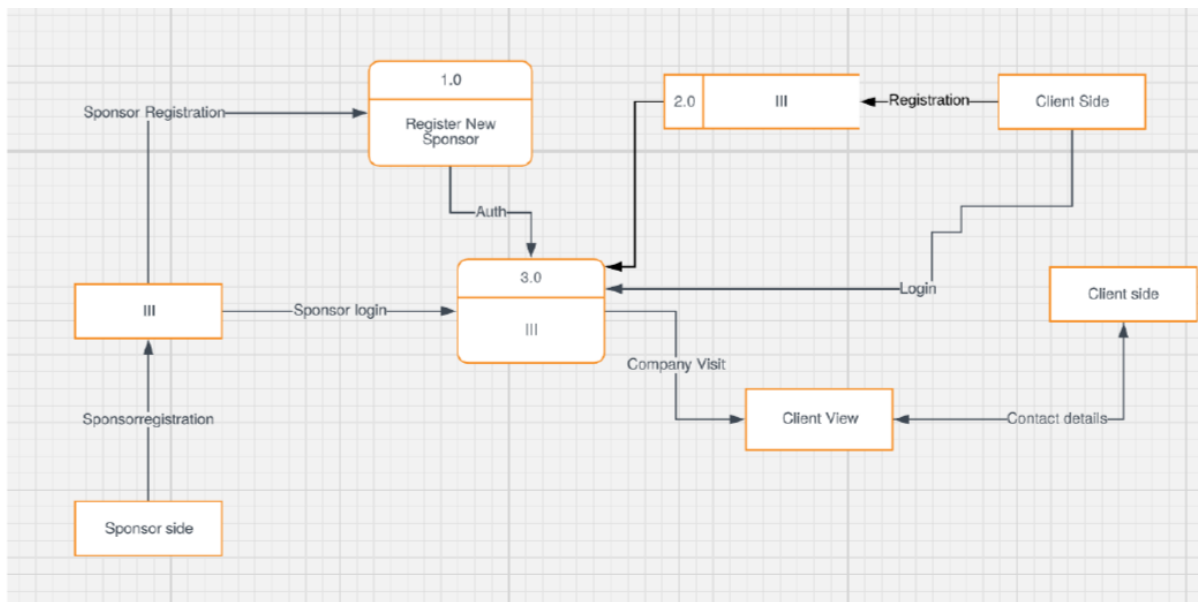
➢ **Sponsor Side**

Sponsors first need to sign up and after verification, credentials will be available.

Sponsor can see all the ideas available and likely to invest.

Sponsor can invest after agreeing to the required terms and conditions.

➢ **III Side**

III approves the request after verification from the user.

III can see all the available ideas and projects.

III can monitor the sponsorships approved by the Sponsor for an Idea.

➢ **Client Side**

Sponsors first need to sign up and after verification, credentials will be available.

Client can request for any number of projects

Clients either cancel or approve the request sent by the Sponsor .

4.3. COMPONENTS USED

- HTML/CSS
- Java Script
- Php
- AJAX
- Mysql
- Apache Web server

4.4. DATABASE DESIGN

➢ For our project we have created six tables.

1. Account table is to store the login tables.

2. Requests is temporary storage for login details until Admin accept or reject

3. Enter is to store all company details and availability

4. Sanctioned is to show what all sponsorships offered by investors

5. Sponmessage is to interact with client and Sponsor

6. Sponsorrequests is temporary storage to accept or reject the request offered by the sponsor.

The image shown below is a screenshot of the XAMPP control panel Page where we can navigate to our phpmyadmin, php files:
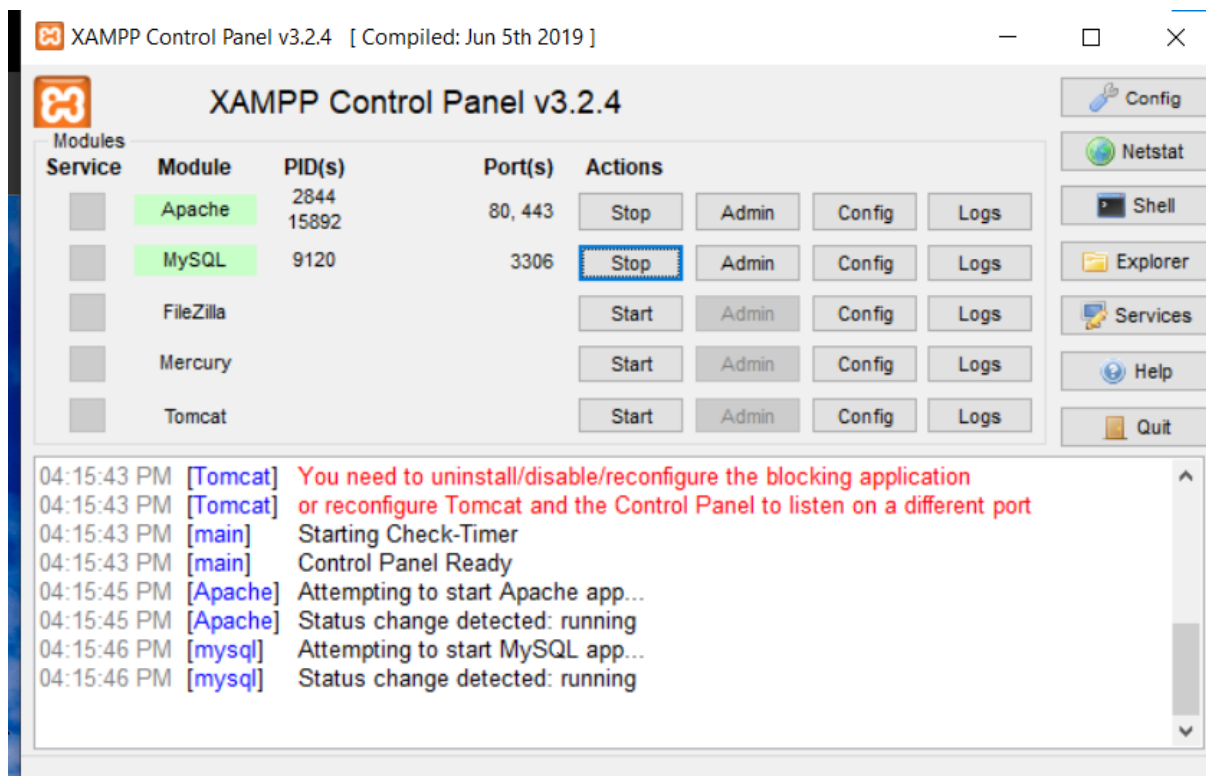
Fig 1. Xampp control panel
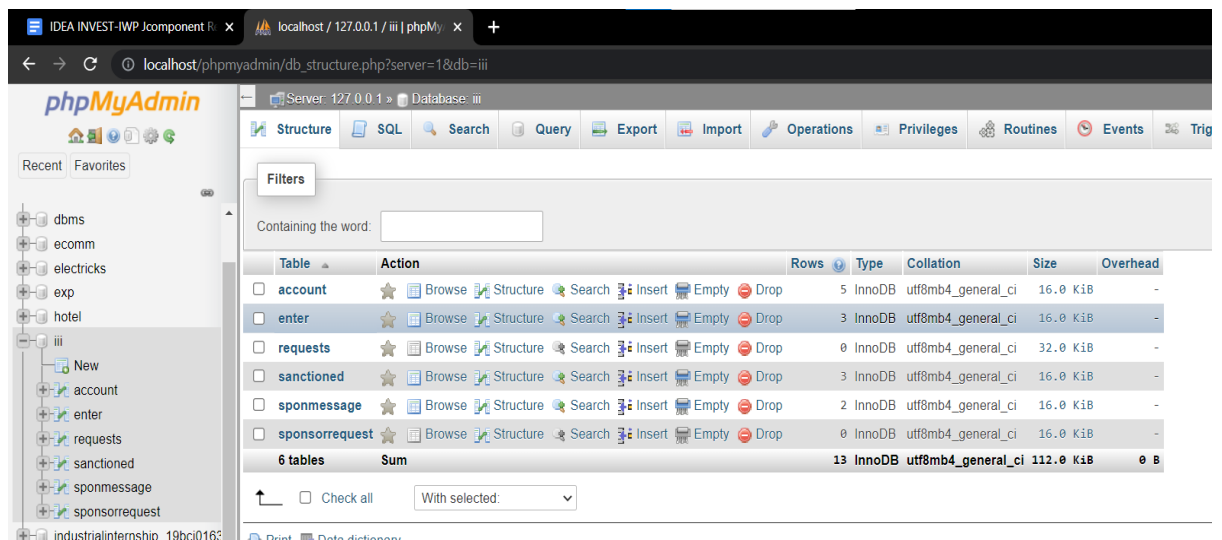
Fig 2. PHP my admin dashboard

Fig 3. Account table

Fig 4. Enter table

Fig 5. Requests table

Fig 6. sanctioned table
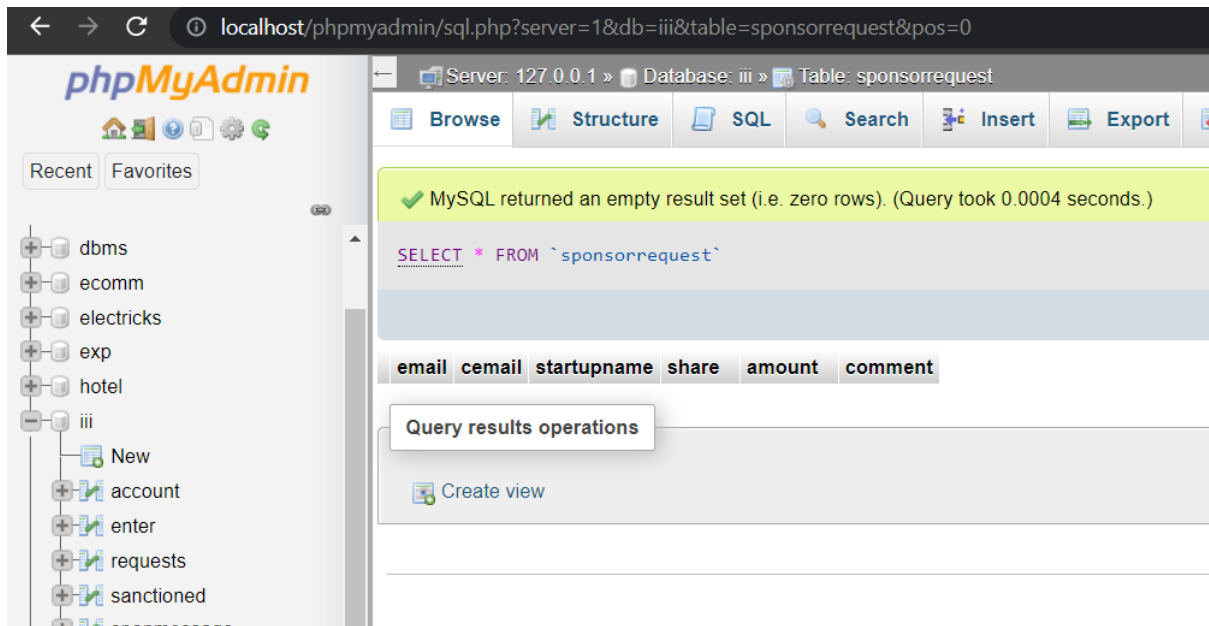

Fig 7. sponmessage table

Fig 8. sponsorrequest table

5. SYSTEM IMPLEMENTATION

5.1. III MODULE

This is a screenshot of our website home page where we can see some information about us. Here, It includes three pages which include Login page, About page, Home page.
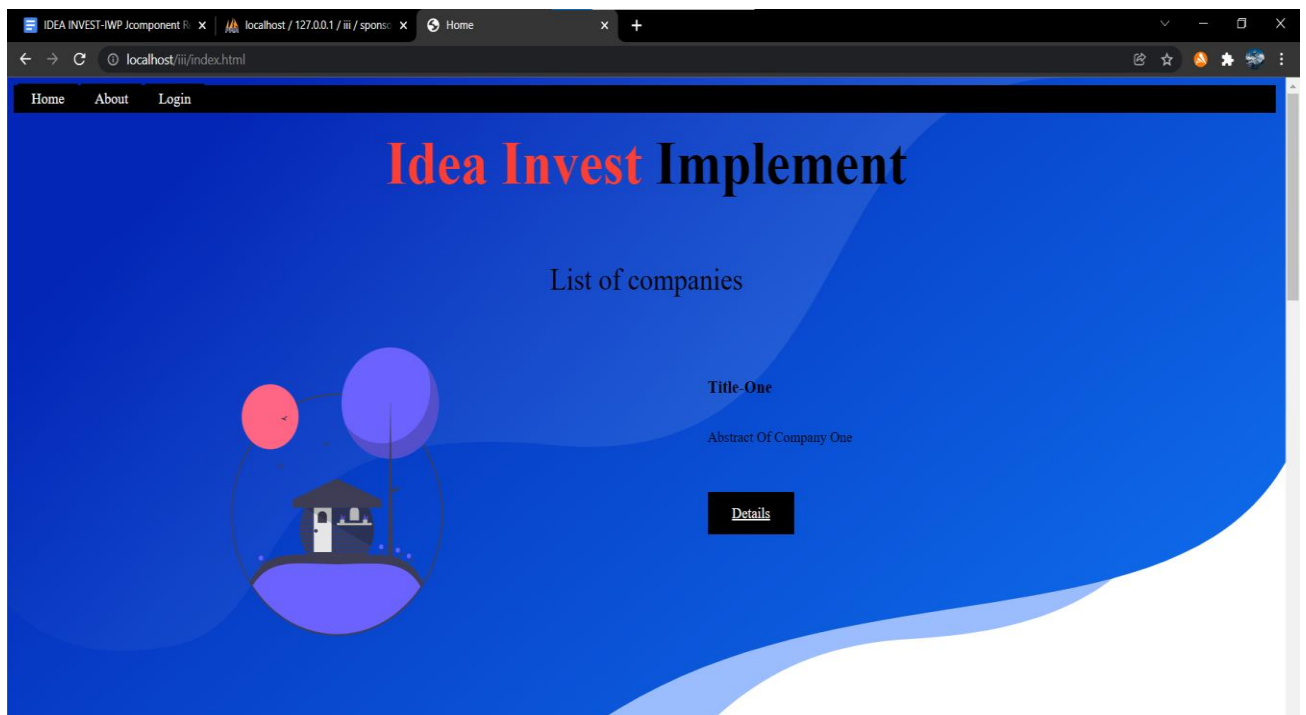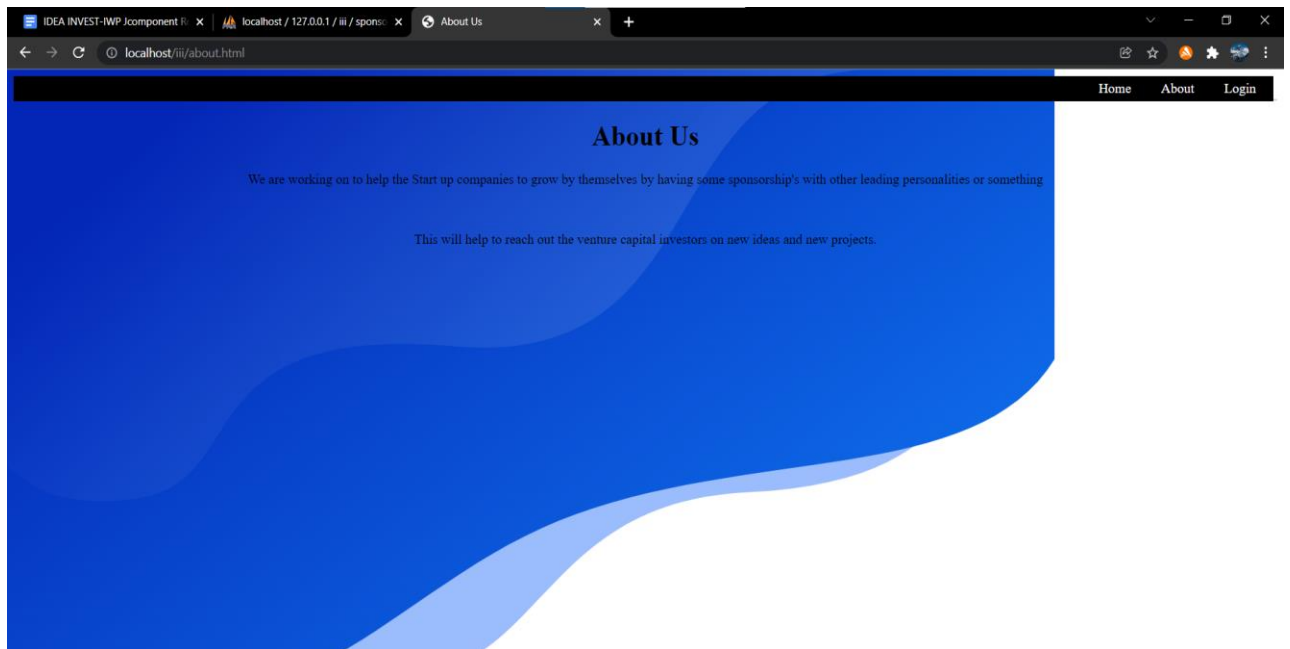
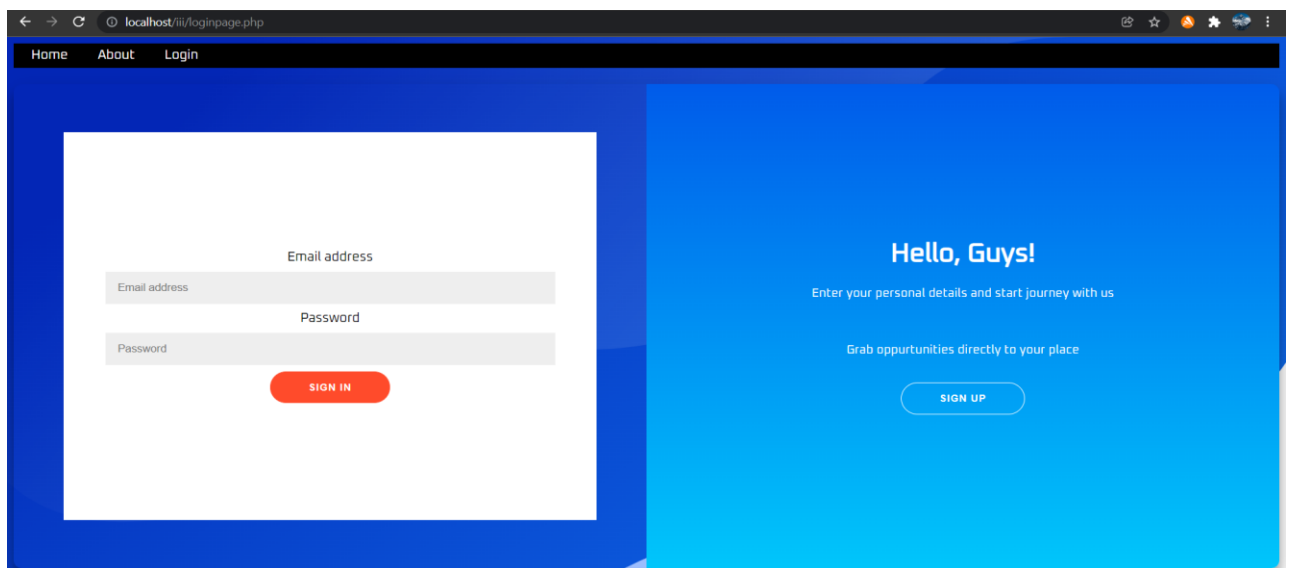

Fig 9. Home page

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Fig 10. About page

Fig 11. Login/Sign Up Page

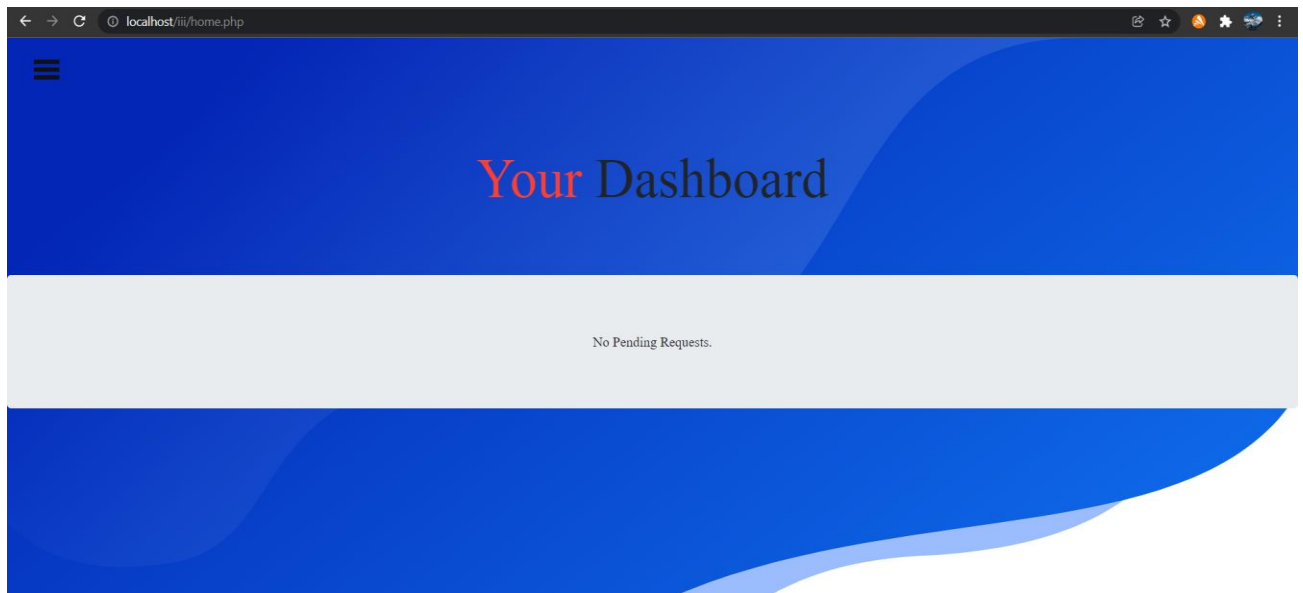➢ In this page, we can login as well as sign up if you are the first time customer.

Fig12. Admin Dashboard

➢ Admin can accept/reject the applicant based on the verification.

➢ Admin can monitor the Share values and Sponsorships

➢ Admin can delete a particular idea/ Company

➢ Admin can track all the company and idea details.

Fig13. Company and Share values
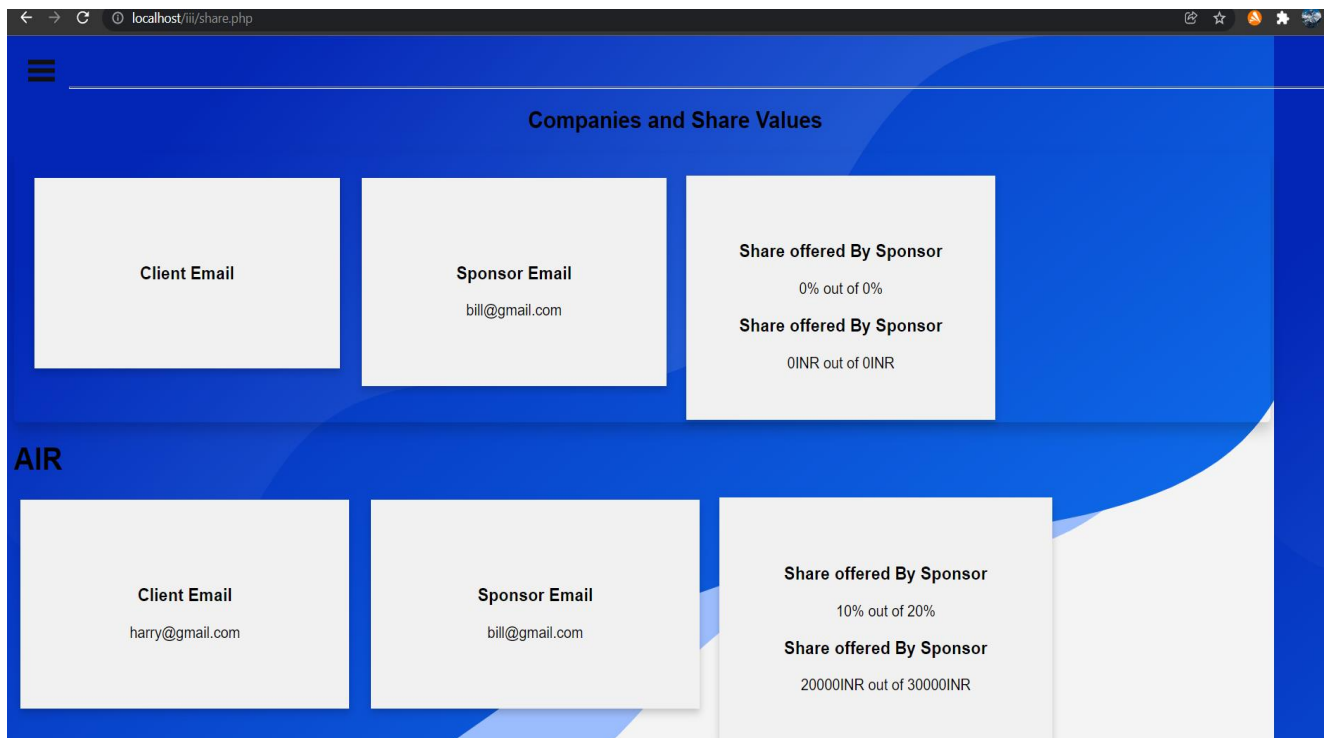
➢ This is the company and share values details which Admin can monitor
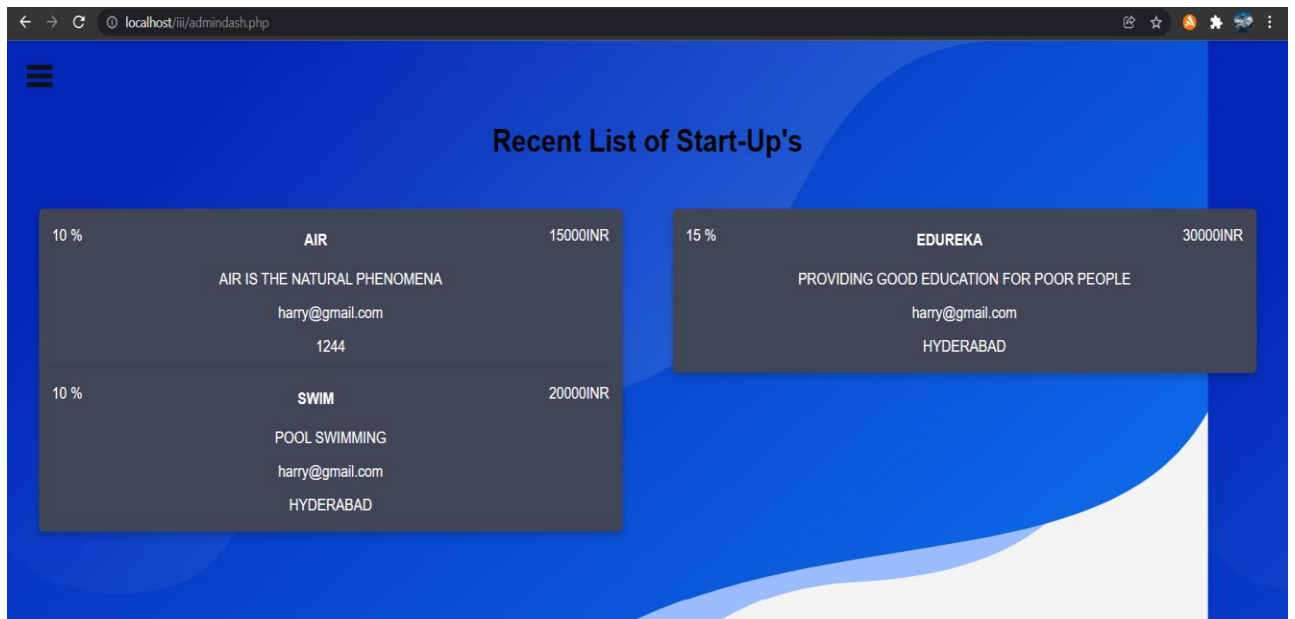
Fig14. List of all start-ups

5.2. CLIENT MODULE

In the client module, the client can create a new start-up idea. Below is the screenshot of the client dashboard.

Fig 15. Client dashboard

Above image shows that a client registered two companies for sponsorship and in the dashboard, he can monitor his ideas.

Functionalities are clients can create a company, interact with the sponsor, approve the sponsor request and reject the request.

Fig 16. Investors list

Fig 17. send request form

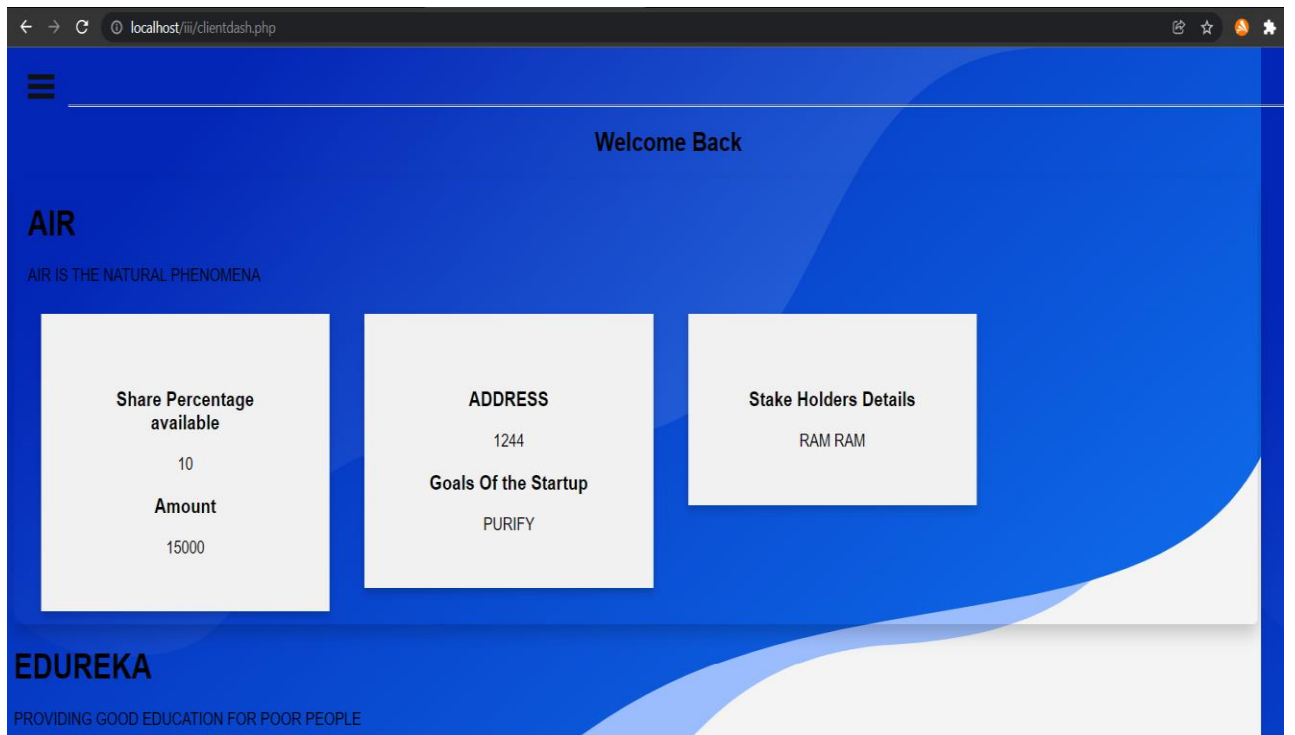### 5.3. SPONSOR MODULE

In the Sponsor module, sponsors can see all new start-up ideas. Below is the screenshot of the Sponsor dashboard.
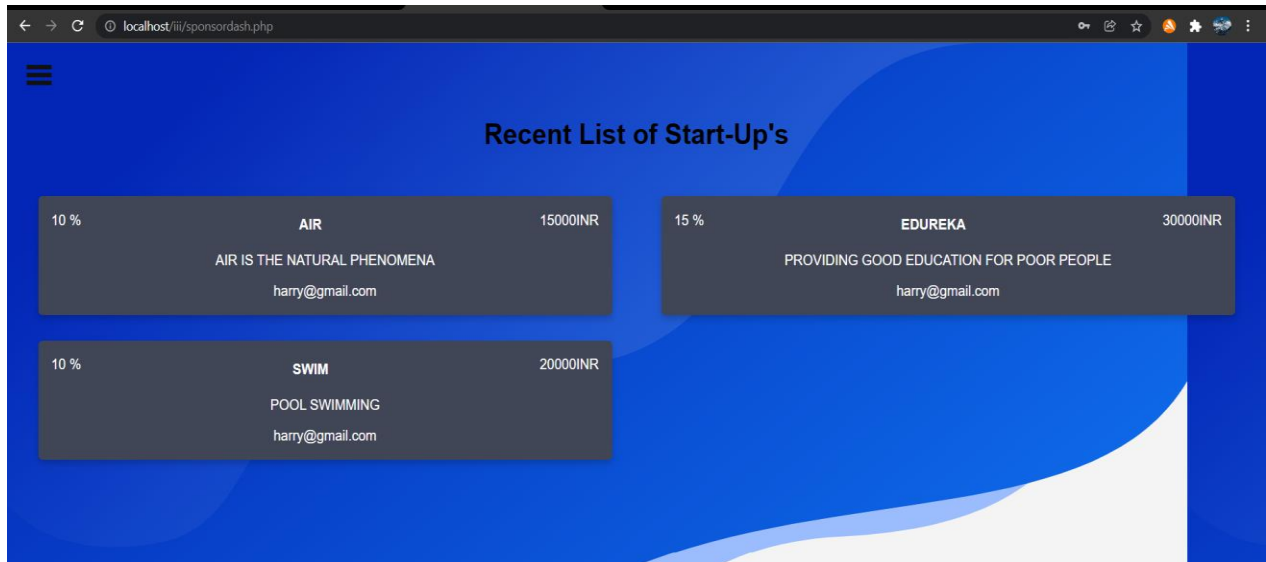
Fig 18. Sponsor dashboard

This is the sponsor dashboard, the main functionalities are the sponsor can interact with the client, send requests about the sponsorship, initiate the sponsorship and agree to terms and conditions.
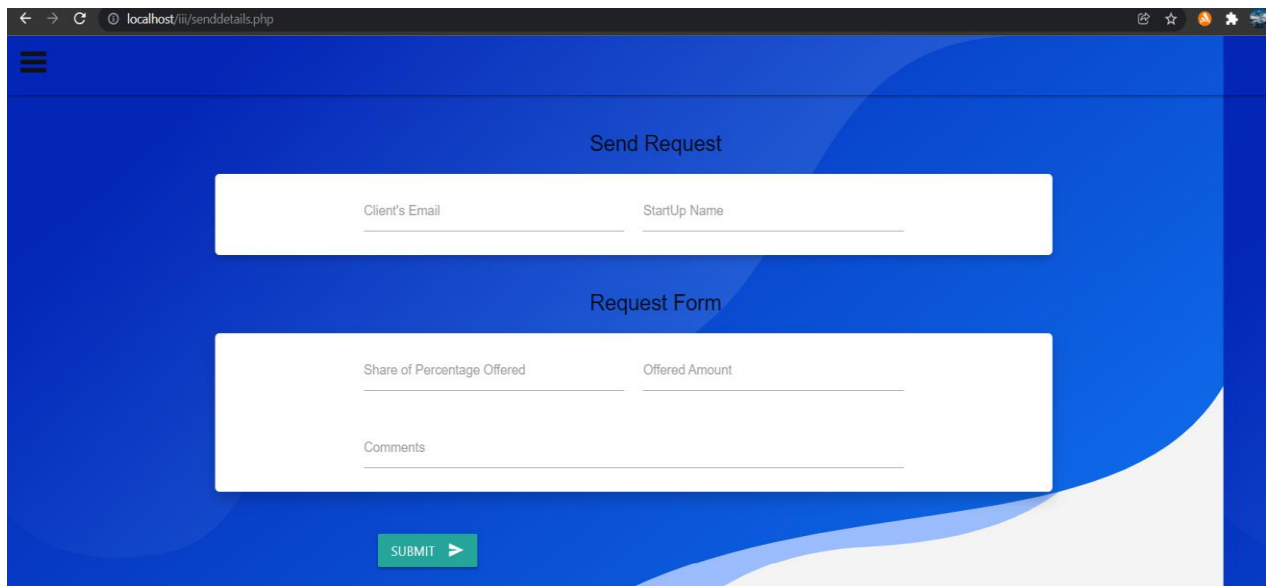
Fig 19. Send Request

A request can be sent to the client regarding the sponsorship offering and any details if the sponsor wants to know about the company.
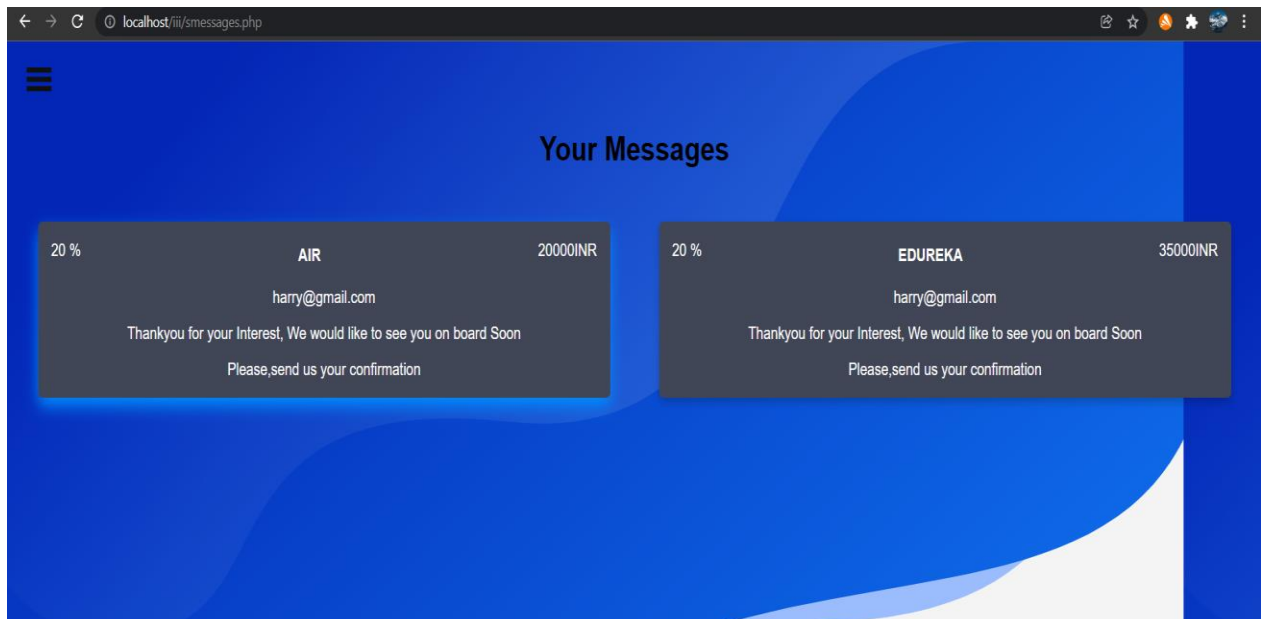
Fig 21. Messages

Messages sent by the sponsor
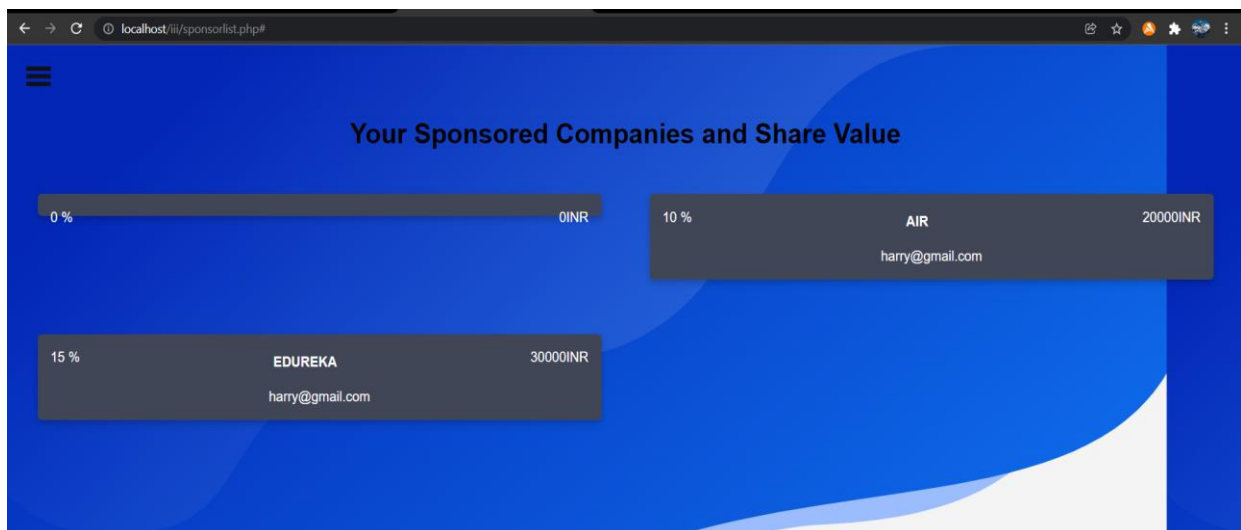
Fig 21. Sponsorships Approved

Sponsorship's list which are approved by the client

Novelty of our project:

Confidentiality agreement:

➢ Client and Sponsor both need to agree the terms and conditions given by the III

➢ Once, the request is submitted, it cannot be changed.

➢ This is the final step for the sponsorship

Fig 22. Sponsoring agreement

6. CONCLUSION AND FUTURE ENHANCEMENTS

In this web application, we have many functionalities like client-sponsor interaction, fund raising, funds approval etc.., This is a new idea which can be implemented on large scale and it helps to emerge new companies and a help hand for the needy companies. This web application covered all the required functionalities and also developed with PHP using Mysql in the backend. There are various applications like LinkedIn, Internshala etc.., which work in the similar domain.

For the future vision, this project can be implemented in large scale using Google Firebase as backend which integrates mobile applications along with the web application. To ensure more security, this project can be integrated with block chain and AI. Now, we have seen many security features like face recognition using AI and Ml,2 step verification etc.There is a lot of scope for this application and it really helps for the new generation who wants to achieve more through Start-ups.

7. APPENDICES

7.1. APPENDIX 1 - SAMPLE SOURCE CODE

Functions.php

```php
<?php

define('DBINFO','mysql:host=localhost;dbname=iii');

define('DBUSER','root');

define('DBPASS','');

function performQuery($query){

$con = new PDO(DBINFO,DBUSER,DBPASS);

$stmt = $con->prepare($query);

if($stmt->execute()){

return true;

}else{

return false;

}

}

function fetchAll($query){

$con = new PDO(DBINFO, DBUSER, DBPASS);

$stmt = $con->query($query);

return $stmt->fetchAll();

}

?>
```

Loginpage.php

```php
<?php

session_start();

include("functions.php");

?>
```

```html
<html>

<head>
```

```
<title>Login</title>

<link

rel="stylesheet"

href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.2/animate.min.css"

/>

<link

rel="stylesheet"

href="../iii/css/login1.css"

/>

</head>

<body>

<?php

if(isset($_POST['signin'])){

$password = $_POST['password'];

$email = $_POST['email'];

$_SESSION['email'] = $_POST['email'];

$a = "client";

$b = "sponsor";

$c = "accept";

$query = "SELECT * from `account`;";

if(count(fetchAll($query)) > 0){ //this is to catch unknown error.

foreach(fetchAll($query) as $row){

if($row['email']==$email&&$row['password']==$password){

$_SESSION['login'] = true;

if($row['role']==$c ){

$_SESSION['type'] = $row['type'];

header('location:home.php');

}

elseif($row['role']==$a){
```

```php
$_SESSION['type'] = $row['type'];

header('location:clientdash.php');

}

elseif($row['role']==$b){

$_SESSION['type'] = $row['type'];

header('location:sponsordash.php');

}

}else{

echo "<script>alert('Wrong login details.')</script>";

}

}

}

}

if(isset($_POST['signup'])){

$firstname = $_POST['firstname'];

$lastname = $_POST['lastname'];

$password = $_POST['password'];

$email = $_POST['email'];

$phone = $_POST['phone'];

$role = $_POST['role'];

$query = "INSERT INTO `requests` ( `firstname`, `lastname`, `email`, `password`, `phone`,
`role`,`date`,`id`) VALUES ( '$firstname', '$lastname', '$email', '$password', '$phone', '$role',
CURRENT_TIMESTAMP, '0')";

if(performQuery($query)){

echo "<script>alert('We received your request, we will get back to you within 48 Hours , Thank
you.')</script>";

}else{

echo "<script>alert('Unknown error occured or Email is already registred')</script>";

}

}
```

```
?>

<div id="navbar">

<ul>

<li><a href="../iii/index.html">Home</a></li>

<li><a href="../iii/about.html">About</a></li>

<li><a href="#"> Login </a></li>

</ul>

</div>

<br />

<div>

<div class="container" id="container">

<div class="form-container sign-up-container">

<form name="signup" method="POST">

<label for="inputEmail" class="sr-only">Firstname</label>

<input     name="firstname"     type="text"     id="inputEmail"     class="form-control"
placeholder="Firstname" required autofocus>

<label for="inputEmail" class="sr-only">Lastname</label>

<input     name="lastname"     type="text"     id="inputEmail"     class="form-control"
placeholder="Lastname" required autofocus>

<label for="inputEmail" class="sr-only">Email address</label>

<input     name="email"     type="email"     id="inputEmail"     class="form-control"
placeholder="Email address" required autofocus>

<label for="inputPassword" class="sr-only">Password</label>

<input     name="password"     type="password"     id="inputPassword"     class="form-control"
placeholder="Password" required>

<select name="role" id="role">

<option value="client">Client</option>

<option value="sponsor">Sponsor</option>

</select>

<label for="inputPassword" class="sr-only">Phone Number</label>
```

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```
<input name="phone" type="number" id="phone" class="form-control" placeholder="Phone "
required>

<button name="signup" type="submit">Sign up</button>

</form>

</div>

<div class="form-container sign-in-container">

<form name="signin" method="POST">

<label for="inputEmail" class="sr-only">Email address</label>

<input name="email" type="email" id="inputEmail" class="form-control"
placeholder="Email address" required autofocus>

<label for="inputPassword" class="sr-only">Password</label>

<input name="password" type="password" id="inputPassword" class="form-control"
placeholder="Password" required>

<button name="signin" type="submit">Sign in</button>

</form>

</div>

<div class="overlay-container">

<div class="overlay">

<div class="overlay-panel overlay-left">

<h1>Welcome Back! Users </h1>

<p>

To keep connected with us please login with your personal info

</p>

<button class="ghost" id="signIn">Sign In</button>

</div>

<div class="overlay-panel overlay-right">

<h1>Hello, Guys!</h1>

<p>Enter your personal details and start journey with us</p>

<p>Grab oppurtunities directly to your place</p>

<button class="ghost" id="signUp">Sign Up</button>
```

```
</div>

</div>

</div>

</div>

</body>

<script>

const signUpButton = document.getElementById("signUp");

const signInButton = document.getElementById("signIn");

const container = document.getElementById("container");

signUpButton.addEventListener("click", () => {

container.classList.add("right-panel-active");

});

signInButton.addEventListener("click", () => {

container.classList.remove("right-panel-active");

});

</script>

</html>
```

8. REFERENCES

8.1. LIST OF JOURNALS

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- TY - BOOK , AU - Salamzadeh, Aidin,AU - Kawamorita, Hiroko , PY - 2015/01/01, T1 - Startup Companies: Life Cycle and Challenges , DO - 10.13140/RG.2.1.3624.8167
- TY - BOOK, AU - Sobolev, Aleksandr, PY - 2020/12/07, SP - 612, EP - 617, T1 - Start-Ups Evaluation With The Help Of Web-Based Platforms, DO - 10.15405/epsbs.2020.12.79
- Salomon, V. (2018). Strategies of Startup Evaluation on Crowdinvesting Platforms: the Case of Switzerland. *Journal of Innovation Economics & Management*, 26, 63-88. https://doi.org/10.3917/jie.pr1.0029
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- TY - JOUR, AU - Čalopa, M.K., AU - Horvat, J., AU - Lalić, M., PY - 2014/01/01, SP - 19, EP - 44, T1 - Analysis of financing sources for start-up companies, VL - 19, JO - Management (Croatia)
- TY - JOUR. AU - Janaji, Siti, AU - Ibrahim, Fahmi, AU - Ismail, Kamariah, PY - 2021/06/21, SP - 88, EP - 92, T1 - Startups and Sources of Funding, VL - 2

8.2. LIST OF WEBSITES

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2. https://code.visualstudio.com/download
3. https://www.php.net/downloads.php
4. https://www.researchgate.net/publication/347392298_Start-Ups_Evaluation_With_The_Help_Of_Web-Based_Platforms
5. cairn.info/revue-journal-of-innovation-economics-2018-2-page-63.htm
6. https://www.researchgate.net/publication/346557861_Business_ideas_in_start-ups
7. https://www.researchgate.net/publication/287307261_Analysis_of_financing_sources_for_start-up_companies/citation/download
8. https://www.researchgate.net/publication/352559631_Startups_and_Sources_of_Funding