

Techlance

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Abstract— Our Research and Project ‘TECHLANCE’ is on a Web Application related to the Freelancing Platform. Techlance is a website that provides many features to their users like users create their profiles, creating services, post a request for services and send offers services other users can deal with these services. Users have a dashboard in which all the menus include edit a profile, settings, reviews, favorites, projects, Account balance, and Get credits. Admin Panel is used by the admin which includes user profile management, services management, request management, comment management, price type management, etc. Techlance is focused on the field of Information Technology (IT) to promote the field of IT. The HangFire module is used for scheduling all the tasks in the background. The Hand Fire tool is used in the HangFire module. Our services are limited to the technical domain only which includes, Web Development, Word Press Development, technical writing, Programming, and many more technical services.

Keywords—Freelancing, Gigs, Services, Technology, Web development, Web Application, Word Press Development.

I. INTRODUCTION

Techlance is a website that provides services as an e-commerce platform to technical freelancers & companies to sell their services by using their Gigs. The gig is an advertisement for services. Gigs include all details of services same as e-commerce products the pricing of gigs depends on how much a seller earns per completed task [1]. Buyers purchase services in the form of gigs, and Techlance has the potential for long-term collaboration. It has many categories that will meet the needs of users, it has fast services, it also provides security and support, and it is a place filled with extremely creative individuals who have a fresh and innovative perspective on things, Techlance user can find services and products that will blow their minds.

Giving freelancers creative freedom can sometimes leave users speechless when they see the results.

II. LITERATURE REVIEW

In [2] lots of leading Freelancing platforms around the world with a vast range of fields has been discussed but none of them have targeted the specific domain like IT, some freelancing platforms have targeted a specific domain like designing but the authors of this research paper being the IT Person felt the need of a platform where only technical services are given and taken. As trends like the digital nomad lifestyle grow in popularity, the number of freelance resources out there has increased as well [3].

Fiverr is one of the leading freelancing websites but, it is not limited to any domain it includes a vast range of field [4]. Furthermore, Fiverr have easy to use environment, is budget-friendly, has an active community, and has a fast way of tracking down talent [5].

Upwork is also one of the leading freelancing websites but, it is not limited to any domain it has a vast range of fields in it. Upwork has control over the recruiting process, has excellent pre-screening support, is great for large projects, and has a massive global pool of talent [6][7][8].

99designs is also a freelancing website and it is limited to only one domain. 99designs is the go-to graphic design service by Vistaprint. they make it easy to work with professional, creative experts from around the world and help you build your brand through custom, memorable design[9][10].

III. TECHLANCE

This Sections explains in detail the different parts of the Web Application.

A. Tools

The Project proposed is integrated with the Social logins of Facebook and Google in their Website. ASP.NET Identity 2.0 have been integrated for the security of their website. 'Hang Fire' tool is used for scheduled task management.

B. Features

a feature of services in which a user can post his services like a gig and the other user who required these services can send an offer. Another requested feature is also included though which a user can post his requests like a gig and the other user who want to help the user can send an offer. Another feature of the deal is which a user can accept the offer and make a deal with the other user. Users can accept, reject and cancel the deals. After completion of a deal, the credits shift to the other user accounts. The setting feature in which the user can organize his account or activate and deactivate the account from the Settings section is also added in the project. The feature of Offers is in which a user can submit his offers on a service or request. There are three types of offers.

- Give: Users can give his service and take the money.
- Receive: Users can give his money and service.
- Exchange: Users can exchange their services.

C. Dashboard

a dashboard was created in the web application, each registered user will have its dashboard, where they can manage the features and see the recent activities. Following are features that are available in the dashboard:

- Edit Profile

A registered user can edit their profile according to his needs.

- Reviews

A registered user can view the reviews given by other users and can also give a review to other users.

- Favorites

A registered user can save any other user as a favorite so that if they want to work again with them they can easily find them.

- Projects

A registered user can create, view, and update their project according to his needs.

- Account Balance

A registered user can view the amount of balance available in their accounts.

- Settings

A registered user can change the settings of their profile according to his needs.

- Get Credits

A registered user can give and get credit from other registered users.

D. Admin Panel

The application will have an admin panel in which Admin users can control entire data and processes from the admin panel. Following are the features of the Admin Panel created by the authors of this research paper. User Profiles Management, Services Management, Requests Management, Comments Management, Reviews Management, Categories Management, Trading Preference Management, Price Type Management, Gift / Rewards Management, Newsletter Management, Website Logo Management.

IV. METHODOLOGY

The authors of this Paper have used Rapid Application Development Methodology in their project because it is iterative and authors can easily make changes in it according to the requirements of the Project without worrying about the end product furthermore, the authors of this project have used ASP.NET MVC 5 along with ASP.NET identity, hand fire, entity framework, web helpers, SQL Server Database 2017, visual studio 2015 and external logins for the development of Software.

Figure 1 below shows a simple workflow of the system when the user will log into the system, the system will check whether the user already exists or not, if the user does not exist the system will redirect to the signup page, and if the user exists the user will be redirected to Home page furthermore the user will choose whether he wants to join as a seller or not if yes then the user will be redirected to seller page else the user will be redirected to buyer page then he can search for the services, if the service is available he will simply buy it and give the payment to seller user and in end, he will give the ratings on gigs and will review the service but if the user has joined as the seller he will first make his seller profile and will create gigs, if any buyer user has requested for any service he will see it and manage it according to his requirements, the seller can view his earnings and analytics.

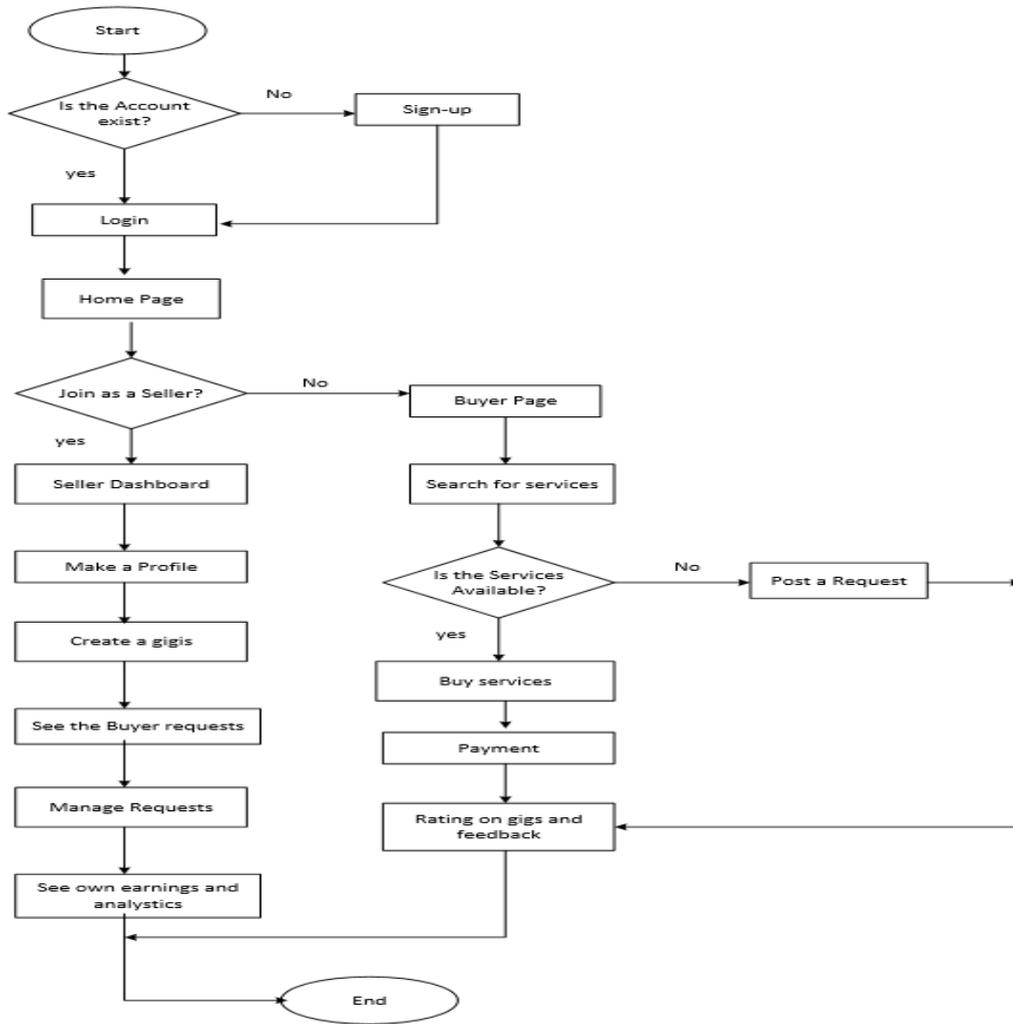


Figure 1: Workflow Diagram of Techlance

V. RESULTS

Once the users create their profiles, then they can create the services, post a request for services and send offers services other users can deal with these services. User can edit their profile, settings, reviews, favorites, projects. Once the Admin logged into

the Admin Panel, the admin can manage profiles, services, requests, comments, price type, etc. In the background, the HangFire module will schedule all the Tasks.

Figure 2 & 3 below shows the Home Page of the Project from where the user can go to the dashboard, messages, projects, offer a service, post a request and can add favorites, invite friends, change settings , and can view the services provided by the Techlance.

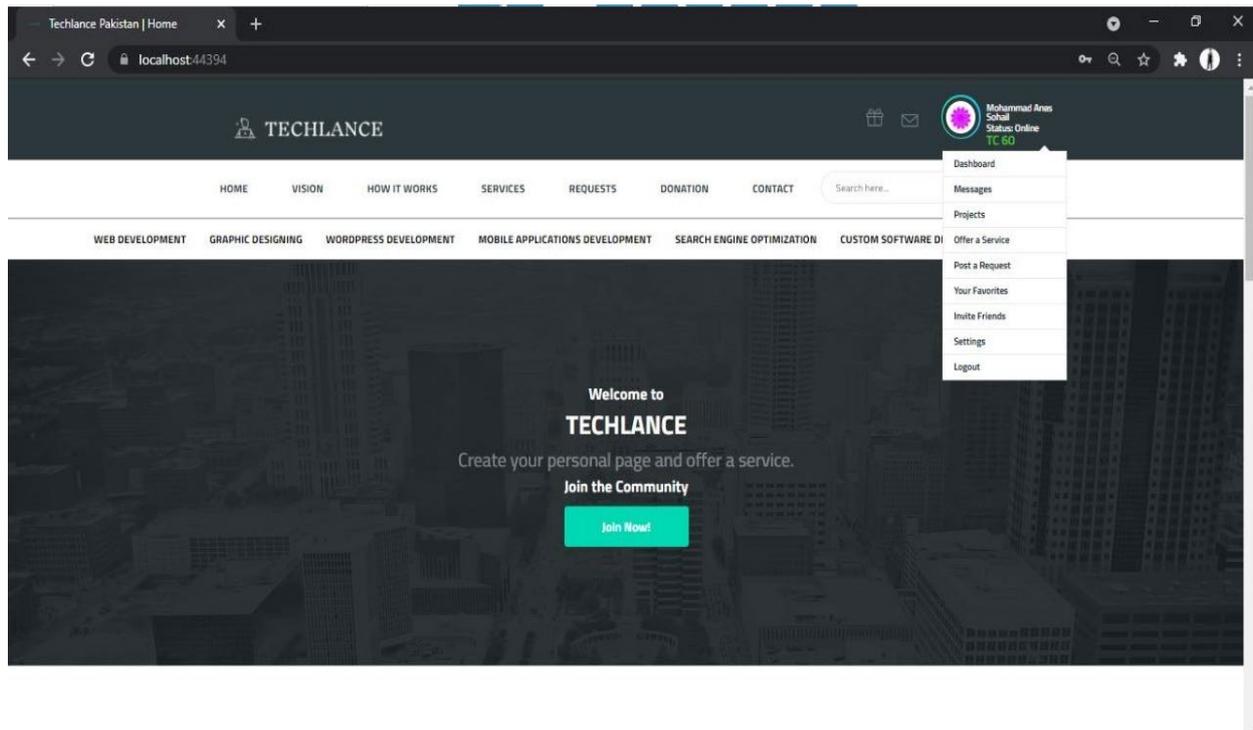


Figure 2: Home Page

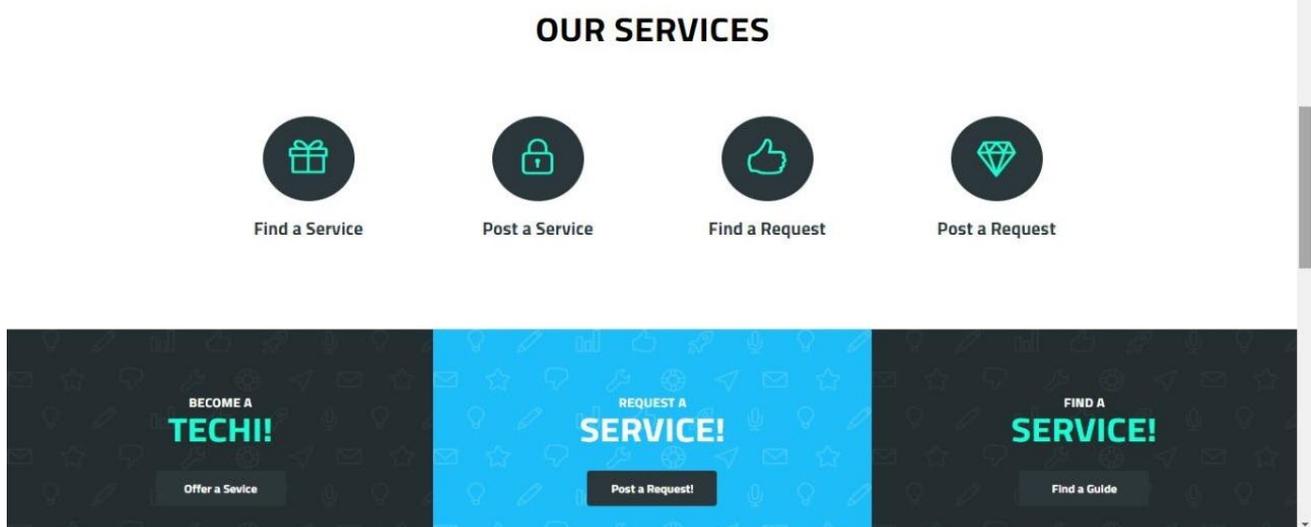


Figure 3: Home Page

Figure 4 below shows the dashboard of the Project from where the user can do all of his activities, he can edit his profile, he can update his projects, he can check the ratings given by buyers, he can update the services, he can change the settings of his account, he can check his account balance, from the dashboard the user can view all of his activities and can make changes in it.

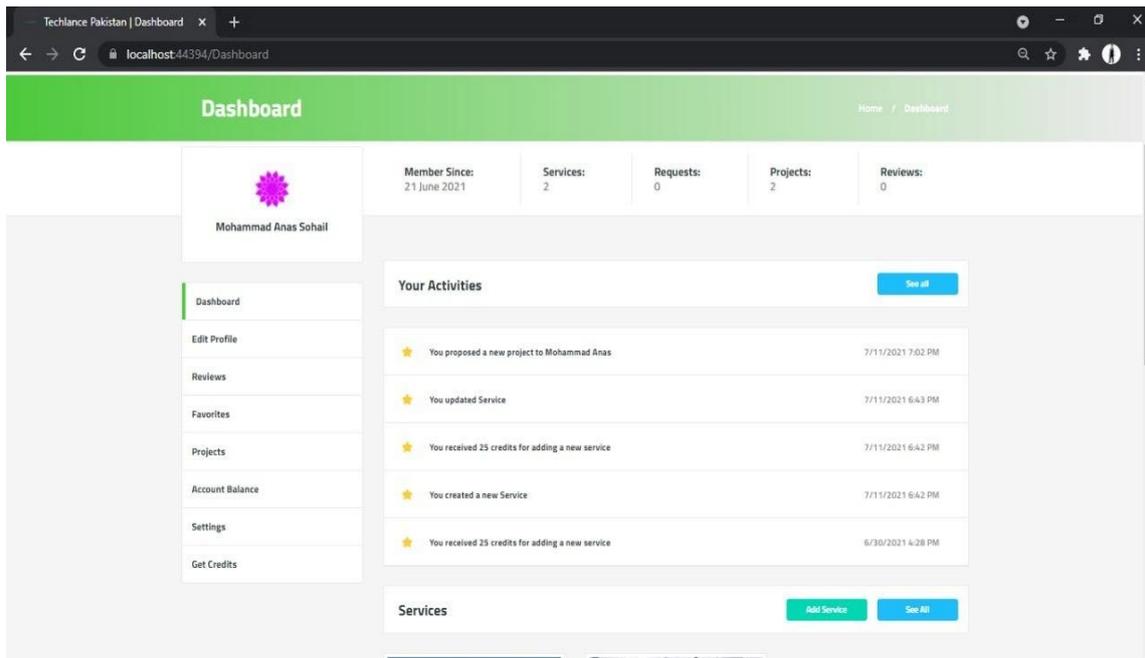


Figure 4: Dashboard

VI. CONCLUSION & FUTUREWORK

It is concluded that this platform helps technical people discover the capabilities of their projects and also provides a way for people to help them in their work. The service facilitates meetings between employers and freelancers who can assist them with their projects, giving them access to a wide pool of highly educated freelancers. Techlance is the right platform for an IT employer to look for a freelancer. You can find out about any technical services. The service facilitates meetings between employers and freelancers who can assist them with their projects, giving them access to a wide pool of highly educated freelancers. Techlance is the right platform for an IT employer to look for a freelancer. The system hosts freelancers by publishing samples of their services and work. Common services include graphic designing, technical content writing, web development, programming, etc. A place where users who need specific services can quickly find other users at rates that provides those services.

In the future, the authors will add more modules in this Project, which includes the Internship Portal where the IT students can easily get internship opportunities from the Tech Companies., the Job Portal where technical People can get the Job opportunities easily from registered Tech Companies and the last one is Special Payment Gateway as today being a Pakistani freelancer we are facing a lot of difficulties in payment so the authors of this research paper want to integrate the special payment gateway for freelancers to overcome their problems.

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