

eSkiller

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Chapter 1

INTRODUCTION

1.1 General Background

eSkiller is a web application. It is designed for the workers as well as those who are in need of workers. By using this application workers can find jobs easily and clients can also find workers easily too. This system is mainly focus on one day workers, which means clients who search workers for one day or few day needs. With this computerized system there will be no lack of availability of workers and it provide clients to select workers by verifying them. Both workers and customers can make conversation through this system about work related activities from anywhere. Workers can get rewards according to their performance.

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1.2 Objective

- The objective of eSkiller is to provide user friendly and effortless access of workers to clients.
- The system provides direct conversation between worker and clients.
- The system will generate the report.
- The system store all information's safely in the database.
- The system reduces time consuming process.
- The system provides easy and fast discovery of workers.
- The system provides rewards for workers.

Chapter 2

SYSTEM ANALYSIS

2.1 Existing System

Mostly, we depend workers for doing some works such as plumping, car washing, house cleaning, etc. For this we need to go to the manpower supply agency or want to contact familiar persons. If you look at the activities of manpower supply agencies, the people who need the job go directly to the agencies and provide details about them, including only their personal details. The clients who need the work registered in this way go directly to the agency and inform their demand. Agencies also often have open castings that you can attend to get selected. In this, clients do not see or contact the workspace directly, as well as there is no option to select the people they like. . In this we also need to consider the availability of a worker. People find workers for doing works in home or else for any organizations. We appoint the worker only by trusting them. In the manual process workers are registered by filling applications by directly go to the agency. It increases the transportation costs. In here there is no direct selection of workers by clients. The

agency will choose a worker randomly and appoint to clients. Clients can't do verification process in this. We need to wait for workers until they are available or free. Sometimes an area contains many workers but few of them have knowledge about these agencies and the customer also knows only few of them.

2.1.1 Limitations Of Existing System

- The process is carried out manually.
- Time consuming process.
- Manual systems are prone to error.
- Poor efficiency and performance.
- Lack of security of data.
- Consumes large volume of paperwork.

2.2 Proposed System

eSkiller is a web application which overcome all the disadvantages of manual process. It is mainly focused for who search workers for temporarily. Clients can choose anyone from this system by verifying them. This system acts as a mediator between worker and customer. The participant workers are from different environment or jobs. They can enter in to this system by register into it through online. They need to give all of their work related and personal details. Once created an account, then they can access this system by login using username and password. The worker can also indicate he/she is available or not. Workers can determine the cost for one day work. If the workers have assistants, they can also specify them and their cost also. This system makes a platform for direct conversation between workers and clients without any mediator.

This system contains three modules. They are Worker, Admin and Clients. Admin categorizes workers based on their locations and jobs. Admin can add/remove workers and customers. He also directs customers to workers. Admin can also remove workers who are fraud by verifying customer report.

Customers can find workers through these system easily from their home itself . They can check available worker for doing his/her job. This system also provides customers to give feedback about worker. This will help other customer to select workers who are good at work. By using this system customers can know all the related workers in their location for doing their jobs. They can also check the cost for a worker per day. Customers can also report the worker if he/she misbehave to them.

This system provides more job opportunity for workers. Workers can upload their work details and images and they can also make alteration in it. The users can access this system by simply login to it.

2.2.1 Advantages Of Proposed System

- It reduces time consuming and effort process.
- It is more users friendly and interactive for both customers and workers.
- The system provides fastest availability of workers.
- It provides secured data storage.
- It ensures data accuracy.
- Minimize manual data entry.
- Greater efficiency.

2.3 Module Description

2.3.1 Admin

The module admin has the main role that controls overall the system. The admin will give the permission for being a member of the system to the workers. The admin might add or remove workers. He remove workers when any issues reported by clients. Admin need to verify the genuinely certificates uploaded by the workers. Admin need to verify and approve rewards to the workers. He is also responsible for allowing offers to the clients. The admin can generate reports.

2.3.2 Workers

The module worker will first register into the system. The registration should include all the personal and work related details and they needed to upload the genuinity certificate from the nearby police station. Workers can also specify their one day fee for corresponding work and other demands. Workers should indicate whether they are available or not. Workers can collect the rewards provided by Admin.

2.3.3 Clients

Clients are a module who can find workers through this system. Clients should first register into this system. They can randomly select workers by verifying workers previous feedback and rating. Clients can interact with the workers trough chat option. After getting service they can pay within the system itself. Clients also have the option for giving feedback about the work. This will help to other clients.

2.4 Feasibility Study

Preliminary investigation examine project feasibility, the likelihood the system will be useful to the organization. The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system. All system is feasible if they are unlimited resources and infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

- Technical Feasibility
- Operation Feasibility
- Economical Feasibility

2.4.1 Operational Feasibility

Operational feasibility is a measure of how well a proposed system takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development Operational. In the existing system the Customers needs a lots of effort to do such task like searching workers for doing his/her works and for manpower supply agencies to maintain the records and users. But in the proposed system the Admin will control the whole system. Workers and clients don't need to go to the agencies for their needs. Workers will enter into the system after approved by the admin. And the admin will easily manage the clients and workers. Hence it is operationally feasible.

2.4.2 Technical Feasibility

We can strongly say that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the development of the software as well as the maintenance of the same is available in the organization, here we are utilizing the resources which are available already. In the proposed system the data managing and monitoring is all in a single web portal for admin, clients and workers. Admin, worker and clients can access this system by simply use their smart phones, computer or other devices with internet connection which is commonly available nowadays, with lower configuration. So the proposed system is more technically feasible than the existing system.

2.4.3 Economical Feasibility

A system can be developed technically and that will be used if installed must still be a good investment for the organization. In the economical feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs. The system is economically feasible. It does not require any addition hardware or software. Since the interface for this system is developed using the existing resources and technologies which is already available, There is nominal expenditure and economical feasibility for certain.

2.5 SYSTEM ENVIRONMENT

2.5.1 Hardware Requirements

1. Processor : Intel Core i3 and above
2. RAM : 4 GB
3. Hard Disk : 1 TB

2.5.2 Software Requirements

1. Front End : ASP.net using c# .Net.
2. Bach End : Microsoft SQL Server 2008
3. Platform used : .net
4. Operating System : Windows 10

2.5.3 User Requirements

1. Any device like Computer, Smart phone or Laptop with internet connection.

2.6 Actors and Their Roles

2.6.1 Admin

1. Sign in to the system.

2.6.2 Vendors

1. Registering to the system.
2. Login to the system.

2.6.3 Customers

1. View the System.