**Chapter 2**

**PRESENTATON OF FINDINGS AND Analysis AND**

**INTERPRETATION OF DATA**

**Existing Operation and Processes**

The Municipality of Pilar especially to the PESO Department consolidate with the business establishment for inquiry of needed jobs or business establishment will coordinate to PESO department if they needed an additional employee. The PESO department acts as a middle man in order for an employment to be happen local or overseas, they use printed form to be filled up for gathering of information of an applicant. However, the process in gathering information for applicant uses manual method which may led to data loose and the means of communication of the both side uses texts or calls that leads to delay of information or misinformation within the agency/ business establishment to PESO department or from the PESO department to the applicant.

**A. Profiling of Applicant’s Employment**

Applicants that apply for a job must fill up the printed form and applicants must give their personal information including their employment background and skills, this will be the basis for PESO about the applicant’s identity and will be submitted to the agency/ business establishment who needed an applicant.

**B. Prospect Employer Job Opportunities**

Agency/ business establishment will contact the PESO department of Pilar if one of the applicant will be hired, PESO department on the other hand will also contact the applicant about the hiring progress together with the complete information including an interview date and requirements if the agency/ business establishment said so.

**C. Generation of Reports**

The progress and impact of the program are being recorded as a report to be submitted to DOLE as a progress. These reports may include the number of applicants, number of applicants hired and a few names listed given its partial information due to data privacy act.

**Data Flow Diagram**

**Business Establishment/ employer**

* **List of Approved Applicants**
* **Reports**
* **Job Offering**
* **Inquiry**
* **Verified & Approved Applicants**
* **Inquiry**
* **Disseminated Program**
* **Application Form**

* **Reports**
* **Response**
* **Application Form**
* **Inquiry**

**Applicants**

**PESO Staff**

**Figure 4. Contextual Diagram of the Present System**

Event List:

1. Filling of Application

2. Seminar Orientation and Monitoring

3. Generation of Reports

\*Application Form

\*Inquiry

\*Response

\*Job Offers

\*Inquiry

\*Report

\*Application Form

\*Verified & Approve Applicants

**Applicant’s Personal information**

\*List Applicants hired

\*Report

**Figure 5: Top Level of the Present System**

**Figure 6. Profiling of Applicant’s Employment (Event 1)**

\*Application Form

**Business Establishment/**

**Employer**

\*Inquiry

\*Job Offering

\*Application Form

\*Report

**Figure 7. Seminar Orientation & Monitoring Process (Event 2)**

**PESO Department**

**PESO Staff**

**Applicants**

\*Application Form

**PESO Department**

\*Response

\*Inquiry

**Business Establishment/ Employer**

\*Hiring progress

\*Hiring Information

**PESO Department**

\*contact applicant

\*Hiring Information

**Applicants**

**Figure 7: Prospect Employer Job Opportunities (Event 2)**

\*Job Offering

\*Inquiry

**Job Provider**

**PESO Department**

\*List of Approved Applicants

\*Reports

**Figure 8. Generation of Reports Process (Event 3)**

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**Needs of the Existing Operation**

The present way of job hiring in PESO department of Municipality of Pilar face some of the problem including, the limited job they can render and the number of applicants they can accommodate. The information is manually distributed to its employer. All information is stored in filers and file cabinets. Every time there is job opening, the applicants will again file for application and submit the information. This will lead to redundancy of records. With this case, researchers introduce a web-Base system that connects freelancers directly to contractors and employers. It serves as a marketplace where freelancer can showcase their skills. The contractors and employers will just choose the desirable freelancer that will cater the job requirements. Freelancing websites offer a convenient way for clients to find the right talent for their projects. They can range from specialized sites for specific industries to more general ones, accommodating a wide range of skills and services. Whether you are a seasoned professional or just starting out, freelancing websites can be a valuable resource for building your career or growing your business.

The study will offer the following to answer the present needs:

1. System Flexibility: This website offers the opportunity to showcase local skilled workers to work anywhere. It will promote local personalities to be in competitive work environments. This will provide easy access to all contractors/employers to choose the best for their job.
2. Wider Reach: This website provides a platform to showcase your skills and services to a global audience, increasing your potential client base.
3. Cost-effective: This website provides a low-cost solution for businesses and individuals to find quality talent, without the need to pay for recruitment agencies or advertise job vacancies.
4. Variety of projects: This website offers a wide range of projects, providing opportunities to gain experience in various industries and skills.
5. Reputation Building: This website allows you to build a portfolio, receive feedback and ratings from clients, and establish a reputation as a skilled and reliable freelancer.

**Online Marketplace for Freelancer of Residence in Municipality of Pilar**

The needs of the existing operation service as the basis for the development of the features of Online Marketplace for Freelancers of the Residence in Municipality of Pilar. The study is expected to address the problem encountered during the present system.

Before using the Online Marketplace for Freelancers of Residence in Municipality of Pilar, the researchers suggest to train the PESO staffs to ensure the security of the information of the freelancers that will be added in the system for more effective using, it is further suggested that the PESO staffs will create their personal account as an administrator.

**Application**

The process of application for freelancers in the system is to log in into the website as a freelancer, wait for the administrator to verify your application and once you are verified you can now fill up the application form that will contains all of the information.

For the employer’s process, employers will log in address as an employer and fill up the given credential.

**Freelancer’s Marketplace**

As freelancers are done in the application they are displayed in the dashboard together with their information and skills, these freelancers will be market for services they can render to employers that wants to hire them. In every transaction, the PESO staff can monitor the freelancer’ s application status hired or not, also PESO staff will be aware if the freelancer is hired and whom a freelancer hired.

**Accessibility**

The system will cater freelancers that is exclusive only for the residences in Municipality of Pilar, this is to insure the progress within the municipality and the administrator are only from the said municipality and can’t cater multiple freelancers from different municipality. However, the employers are not limited within the municipality, employers can be local or overseas, this is to insure the vast opportunities of these freelancers and companies who are willing to hire, in this way, freelancers can choose also what employer they want and where they want to go.

**Administration**

The system is regulated and controlled by the PESO department and its staff, every transaction is viewed by the staff. Comments, suggestion and also rating is reviewed by PESO staff to insure safety of both the freelancer and the employer, the PESO department will take action if ever there is any anomalies in the side of the employer or on the freelancer like bad behaviors and service by just reviewing feedback and comments This is part of the safety and security of the system.

When a PESO staff log in as an administrator, the staff has the access and control of the freelancer and the employer within the system. The only administrator should be the PESO staffs, the reason is they has the authority to handle personal information of freelancers and the employer that will sign up in the system.

**Use Case Diagram**

For an underdeveloped new software program, a UML use case diagram serves as the principal representation of the system/software requirements. Use cases outline the desired behavior (what), rather than the precise process for achieving it (how). After a use case is defined, it can be represented visually and textually. A use case represents a function of the system from the viewpoint of the user and describes the goal of their use. Each use case should provide some visible and valuable result to the actors or other stakeholder of the system. The diagram show that the PESO staff has the full control of the registration and administration, handles the verification of the freelancers and block freelancers or employers in the system if necessary. Whereas, the freelancers and the employers has the control of the information that they will be given. In terms of hiring and feedback, both the freelancers, PESO staff and the employers has the access. Employers can only choose a freelancer with in its specific skill provided.

**Employer**

Freelancer

Admin

**Figure 9. Use Case Diagram of the Present System**

**Use Case Narrative**

Use case narrative describing a use case that requires both frame context of the use case and represent the dialog between the user (actor and use case) and the use case. In every use case narrative, there are Pre- conditions, Process, and post conditions.