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# **Abstract**

This report represents the workings of an Online Job Portal – **YoJobs!** The system is designed to be a project that helps Job seekers and Job employers a fresh platform where they are able to easily communicate each other without the hassle of having fake or compromising information from one another, since **YoJobs!’s** aim is to deliver the best and authentic services in order to maintain the integrity of their platform.

Online Job Portal is a project which aims in developing a computerized system to maintain all the work of a healthy job-figuring website. This project has many features which are generally not available in normal job system like facility of user login using a unique username, authentication of various types as well as the ease of use. The system will also consist of a separate admin panel with various features in the future. The current is a beta version to check the viability of the product to their stakeholders.

This project has the ability to move forward with a lot of potential while finding the right kind of investors which is why this report looks into the building blocks of this system and how its implementation within 8-weeks was successful. Overall this project of ours is being developed to help the students as well as fresh graduates of East West University students and organizations that are looking for authentic information under one single platform.

# **Introduction**

The project created of this online job-portal is called “YoJobs” – and the host name occupied for this website is “yojobs.com”. This site main function will be to act as an online job giving and seeking platform, with great features in mind that will make it stand out from the rest in the existing marketplace.

Online job portals are places in the internet where people can search for job for their specific skill set, whether that be full-time or part-time. Usually these portals are area specific to help people find a job and apply though the links or systems provided in that application.

# **Background Study**

There are many online job portals for Bangladesh, and for the sake of analyzing the market and set out standards both up to national and international benchmarks we have taken a look at some of the names that make it into the same niche. Here are some of the existing competitors that made our list to set up our bench mark.

## **Existing Examples of National competitors**

***Bdjobs.com*** – This is one of the largest job portals in Bangladesh, with most companies finding it a reliable source for advertising their vacancies, it is a traditional way of online job seeking, but the user-interface is complex.

***Kajkey.com*** – This is another start-up for providing jobs but with a twist. They provide workers according to the demand of the employers, and the job seeker creates profiles with their skill set and wait for a required job to be posted. The majority of the people using this will be working one-time or part-time jobs from this website.

***Kormo Mobile Application*** – This is another one that somewhat works around the traditional method of job portals, but this application advertises itself to no longer reply CV drops separately as their application does it for them.

## **Existing Examples of International competitors**

***Craigslist.com*** – This is an international competition that definitely works as a job portal, mainly for the United States of America, but it has a lot of features going on inside of it aside from just the job sector which makes it very crowded, and the user-interface is complex.

***LinkedIn.com*** – This is an online resume/cv profile which can be highlighted as a portfolio as well as find jobs through the website. The main purpose of the site is to make network connections with the right kind of people in the career field you want to go into, and get jobs from there. While the website is widely used in Bangladesh, there is more response in terms of getting jobs through LinkedIn outside borders than in Bangladesh.

# **Problem Statement**

The problems that arise with current job portals is the constant advertisement shown as well as the complexity of the websites during its usage. Sometimes while working on a site like this the users are often faced with problems of “Premier Accounts” that require them to deposit some amount of money half way through their working process to ensure what they have been doing is complete. Other than that, there are very few ways to authenticate whether the job postings or user IDs are real ones or scammers.

* Lack of security
* Complex user-interface
* Premium Membership forced upon
* Multiple unwanted Ads for revenue

# **Aim of Project**

The aim of this project is to develop an online job search portal. The system is an online application that can be accessed throughout Bangladesh. The system can be used to manage information of job-seekers as well as retain information from job providers. The system can only be accessed by logging in and the job posts will all be verified by the admin panel to make sure there is no scam involved. This project is to ensure a smart merge of current job portals and online portfolios into one, making it a more efficient marketplace for jobs.

**Objectives:**

* The main objective is to provide a reliable platform for job seekers and job givers (employers).
* Ability to create a complete profile that can be authenticated by admins.
* Browse through Job Offers and Postings made my Job Givers (employers) of a company.
* Creating a user-friendly dashboard for the ease of use during job seeking and giving.

# **Project Requirements**

## **User Story**

***Job Giver***

 As an employer, I want to create a single account for my company to post jobs.

 As an employer, I want to be able to post and edit all my job postings.

 As an employer, I would be able to see all my job postings together in one place.

 As an employer, I want the ability to view my applicants under one platform.

 As an employer, I am on the lookout for authentic information from my applicants.

***Job Seeker***

 As a job seeker, I would like to find a reliable platform to look for jobs and reliable outcomes.

 As a job seeker, I would be able to authenticate myself and find reliable companies for jobs.

 As a job seeker, I would like to be able to edit my profile whenever required to input the latest information and experiences about myself.

 As a job seeker, I wouldn’t want to be a part of a scam or heist of an organization

 As a job seeker, I want easy to understand interface when it comes to using the platform.

## **Stakeholder List**

Project management principles dictate that a stakeholder is essentially anyone who has vested interest in the success of the project and contributes to its outcome. According to this definition we have detected the stakeholder list of our online job portal are as the following:

* Job Givers (Companies and Employers)
* Job Seekers
* Administration of YoJobs
* System Designer
* Back-End Website developer
* Front-End Website designer
* Technical Writing Executives
* SQA Officers

## **Functional Requirements**

**• User login:** The system must only allow user with valid id and password to enter the system. The system performs authorization process which decide what user level can access to. The user must be able to logout after they finished using system.

**• Sign up new user:** System must be able to verify information. System must be able to give error massage if information is wrong.

**• Search Job Postings:** System must be able to search the database based on select search type. System must be able to show the jobs in a tabular view.

**• Apply to Job Postings:** System must have users to be able to enter apply for the job postings.

**• Add Job Postings:** The system must be able to add new job posts from the employers and add them to the database. System must be able to verify information.

**• Update Job Postings:** System must be able to update or edit any job posting as per their requirement.

**• Records:** The system has every records of the list of users, list of jobs and it keeps the issue and return records done by the members.

## **Non-functional requirements**

***Efficiency requirements***

The website needs to run fast in order to meet the needs of the niche and also should have a sustainable space to accommodate traffic.

***Reliability requirements***

The system should accurately perform user registration, user validation, job postings, and any kind of search.

***Usability requirements***

The system is designed for a user-friendly environment with responsive design to help accommodate users better compared to other websites.

***Safety requirements***

The database needs to have a full proof privacy policy and back-up to work against any system failure and user dissatisfaction.

***Security requirements***

A functional security requirement is something that describes functional behavior that enforces security. It can be directly tested and observed.

***Maintainability requirements***

The system should be easy to understand so that maintenance is easier, which in the long run makes the cost reasonable.

***Portability requirements***

The system can be run in any environment in any computer, as it is already responsive and has used the latest world-wide developing tools.

[Insert Diagrams x5]

# **Implementation details**

**Project timeline over the last 8-weeks for the development of this prototype of this Beta version**

|  |  |  |
| --- | --- | --- |
| Week | Phase | Work Distribution |
| 0 | Analysis | System analysis and investigation |
| Outline Database requirements |
| 1 | System Design | Design Preliminary Page Outlines |
| 2 | Design Admin Panel |
| 3 | Design Dashboards for Job-seekers and Employers |
| 4 |
| 5 | Maintenance | Check for errors, continuity problems and re-visit database requirements. |
| 6 | System Development | Back End development with PHP |
| 7 | Validation and Sessions implementation |
| 8 | Implementations | Prototype release |
| Testing as both Users |

Easy Tasks

Moderate Tasks

Hard Tasks

**Software language and tools that were implemented:**

* PHP
* My SQL
* Notepad++
* XAMPP
* HTML
* Bootstrap and CSS
* JavaScript
* Brackets

**Hardware properties that were developed upon:**

* Intel corei5
* RAM 12GB Future scope
* 2 GB NVDIA Graphics Card

# **Future Work:**

This version of the website will be launched free initially as it is the beta version but to retain the n the business model here are some proposed future works that can go under development over the next six months post launch of the beta version:

* Admin Panel – to approve verified job postings only (to avoid scam and any illegal activity)
* Customized CV made for users (Payment Required – Job Seekers)
* Hot Jobs Offer highlighted above all (Payment Required – Job Employers)

Features can easily be adjusted into the website as required since this project made sure to contain flexile modules as such:

* **Extensibility:** This software is extendable in ways that its original developers may not expect. The following principles enhances extensibility like hide data structure, avoid traversing multiple links or methods, avoid case statements on object type and distinguish public and private operations.
* **Reusability:** Reusability is possible as and when require in this application. We can update it next version. Reusable software reduces design, coding and testing cost by amortizing effort over several designs. Reducing the amount of code also simplifies understanding, which increases the likelihood that the code is correct. We follow up both types of reusability; Sharing of newly written code within a project and reuse of previously written code on new projects.
* **Understandability:** A method is understandable if someone other than the creator of the method can understand the code. We use the method, which small and coherent helps to accomplish this.
* **Cost-effectiveness:** Its cost is under the budget and make within given time period. It is desirable to aim for a system with a minimum cost subject to the condition that it must satisfy the entire requirement.

# **Conclusion**

This website provides a computerized version of library management system which will benefit the students as well as the staff of the library. It makes entire process online where student can search books, staff can generate library cards and do book transactions. It also has a facility for student login where student can login and can see status of books issued. This system has been developed in a way to make it very user friendly. Any person having a basic understanding of computer can run this system without any pain. The system is strong enough to withstand regressive yearly operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports. The problems, which existed in the earlier system, have been removed to a large extent. And it is expected that this project will go a long way in satisfying user’s requirements. The computerization of the Library Management will not only improve the efficiency but will also reduce human stress thereby indirectly improving human resources. This project is very useful in managing the record and other operation of library. Moreover, this project can be upgraded and changed according to the need of user.

# **References**