General Overview of Quick Solution

**Section A: Problem Definition**

**Problem Scope:** The information age has affected the workforce in several ways. Workers are being forced to compete in a global job market. Technology has increased opportunities in developing countries and has promoted the globalization of the workforce. Yet not everyone is making the most out of it. Looking closely at our local environment, (the municipality of Buea and its environs), we find many hardworking and talented youths but they are not able enough to make the most out of their skills and are rendered jobless at the end of the day just after graduating from school. Some enterprises also are not exposed to the market in distant places all because they are not utilizing technology to reach their market. On the other hand, there are always people in need of goods or services and often times they are not able to get the right deal because their choices were limited and also due to inexperience and lack of training on the part of those providing the goods or services, leaving them unsatisfied. While others spend much money in getting a job done because they could not find a cheaper deal elsewhere. Others do not know whom exactly to hire for a particular service. This becomes a problem and has affected both the population (those in need for goods or services) as well as those who possess the skills and products.

This design project is targeted at providing an online platform to which people(freelancers) can sign up according to their skill sets, and can engage and interact with different opportunities that can earn them money and experience. It is also designed at helping those in need of goods or services to become exposed to the right professional online at a mutual deal.

**Technical Review:** This freelancing platform is a technology designed to accommodate independent professionals and agencies from around the country to be able to make earn more online. It is also on the other hand designed to help the public who are in need of professional services to become exposed to these professionals.

All freelancers, agencies and people who want to become part of this platform must be registered with us accordingly and this information is stored on our database so we know all those whom we are working with. This is done in order for them to create their personal profile, upload task and also see pending task. All users of this platform who want to create accounts with us will join our membership plan where they will choose a plan that suits them. These plans include; the basic plan, standard plan, diamond plan, and platinum. Terms and conditions apply when joining the platform. And by all means necessary users will have to abide to them

* **The Basic Plan:** Users of this plan are provided with a three months’ access to the platform. Freelancers and agencies are able to see and receive jobs that match their field of expertise all within this period. Users are able to verify a freelancer’s work history and reviews on the platform. Within this timeframe as well they are provided with customer support. No amount is required for this plan for it is entirely free for the first three months. After three months have elapsed the account is automatically freezes and the user will have to pay, in order for them to continue on the platform or switch to another sustainable plan. This plan is suitable for users who want to do short them business and do not plan on trading the platform further in future.
* **The Diamond Plan:** Users of this plan are provided with a six months’ access to the platform. Freelancers and agencies are able to see and receive jobs that match their field of expertise all within this period. Users are able to verify a freelancer’s work history and reviews on the platform. They are also able to enjoy safe and easy payments, there is also a payment protection plan as well as a 24hrs customer service support. Users and freelancers are expected to pay the sum of 10,000 XAF (ten thousand frs) which will run for six months. After six months have elapsed the account is automatically freezes and the user will have to recharge or switch to another plan, in order for them to continue trading on the platform.
* **The Gold Plan:** Users of this plan are provided with one-year access to the platform. Within this period, Freelancers and agencies are able to see and receive jobs that match their field of expertise. Users are able to verify a freelancer’s work history and reviews on the platform. They are also able to enjoy safe and easy payments, there is also a payment protection plan as well as a premium customer service support. There is also a dedicated account management, build in collaboration features and featured job upgrades. Users and freelancers are expected to pay the sum of 30,000 XAF (thirty thousand frs) which will run for twelve months. After twelve months have elapsed the account is automatically freezes and the user will have to recharge or switch to another plan, in order for them to continue trading on the platform.
* **The Platinum Plan:** Users of this plan are provided with 3-years access to the platform. Within this period, Freelancers and agencies are able to see and receive jobs that match their field of expertise. Users are able to verify a freelancer’s work history and reviews on the platform. They are also able to enjoy safe and easy payments, there is also a payment protection plan as well as a premium customer service support. There is also an advanced dedicated account management, build in collaboration features, featured job upgrades and talent sourcing assistance. Users and freelancers are expected to pay the sum of 50,000 XAF (fifty thousand frs) which will run for twelve months. After 3-years have elapsed the account is automatically freezing and the user will have to recharge or switch to another plan, in order for them to continue trading on the platform.

The system is build using HTML5 CSS3 and JavaScript with frameworks and libraries such as Bootstrap 4 and jQuery for the user interface(front-end). While PHP and MySQL are used to build the back-end which mainly includes all the database.

**Design Requirements:** A freelancer can register themselves for free through the workforce platform, after which they will have to choose a plan which is suitable for them and then have the opportunity to build their profile or delete their account if created. He or she can also go ahead and start applying for Job vacancies that are listed or found within the database. The public or job providers do not need to pay for a plan while registering since there is a separate form for freelancers and the public. The design requirement for this project is separated under functional requirements and non-functional requirements.

* **Functional Requirements:** Quick works is designed to be a sole platform that helps companies seek professional to expert skills for their projects and at the same time provides freelancers with a place to which they can acquire work easily and chat with the company or job providers directly and get paid after the work or task is completed. The proposed quick works platform must be able to execute the following functionalities.

Management of platform users, the login process, sign up and sign in authentication are necessary for key user metric in the database.

Data management. Managing of jobs and projects uploads should include; project types and categories, project budget, payment details, transaction details and authorization

Outputting reports. A catalogue report of listed jobs.

Innovation. Describes how specific projects are categorized to be various access portals within the platform.

* **Non-functional Requirements:** In this section, the factors that are not related to the specific functional requirements of the program are mentioned. The application manages a huge volume of data, so the database must be suitable for fast growing data.

Due to the nature of the program, there will be plenty of reports to be generated; therefore, the GUI (graphical user interface) is a key element that should be paid attention to, it should be user-friendly and easy to use. Finally, only people who have responsibility of managing the assets have the privilege to access they system. As an organization (client), one can also build their profile, set their hiring rate for the projects. They also list what jobs they are offering and set the necessary information that the job or project requires. An organization or individuals who post jobs can at anytime receive proposals through email or other forms of contact from interested parties (freelancers) showing their interest. And it is up to the organization or individual to choose the right freelancer based on their skillset, past experiences, or the quality of their profile (reviews). Figure (figure number) presents the use case table

Quick works use case tables

|  |
| --- |
| **Administrator** |
| Website analytics |
| Add freelancers or organization |
| Remove freelancers or organization |

|  |
| --- |
| **Freelancer** |
| View description / requirements |
| Search for vacancies |
| View vacancies |
| Apply for vacancy |
| Upload profile |
| Create account |

|  |
| --- |
| **Organization** |
| Edit account |
| Delete account |
| Login |
| View applications |
| View freelancers’ profile |
| Add and create vacancies |
| Provide reviews for freelancers |

Figure (number). Use case tables