**Micro-Work web development**

**Introduction**:

We have been taking different software development programs and entrepreneurship training provided by the icog-makers and ITSC company. Now it is time to do a project that reflects what we have learned.

What we are going to implement is a micro work web development which is the most widely used digital technology abroad. Although it is being used worldwide, in our country Ethiopia it didn’t get that much concern. But as a group we have a desire to develop this technology in an appealing and user friendly way, so that users can be more interested in using digital technology which will save time and energy.

**Structure of the project:**

Actors in the site:

• Employer

• Freelancer

• System

• Admin

These are the actors that interact on the website. The role of the employer is posting, updating and deleting jobs, receiving freelancers' CV and information and then screening them. Freelancers post their academic status as well as field of experience. What they will do on the site is search, apply and implement jobs posted by the employer for which they are efficient enough.

The system is the core of the website in which it stores information of each user. Generally it does the following:

* Helps us to know how many jobs, what type of jobs the employer has posted and how much money he/she has cost.
* Helps us to know how many jobs, what type of jobs the freelancer has done and how much money he/she has earned.
* For the admin it allows access to every information stored in the system .The admin can add, delete and update any posts on the site.

Use case/user interaction system

•search

•login

•sign up

•logout

•hire

•freelance

•post job

•delete freelancer or Employer or job

•evaluate new freelancer

•view

In the top of the website there is going to be a search bar to retrieve what the user wants. The users are able to create their own account/sign up to start using the site. Since then they can login and logout whenever they visit it. For employers there is hire, post job and evaluate new freelancer pages where they provide the necessary information to interact with freelancers. The freelance interface page is for freelancers to apply for available jobs posted. But neither the freelancer nor the employer can delete the freelancer/employer/job posted. Only admin has authorized to view and do all this.

**Implementation methods and languages to be used**

To build the front end structure we are going to use html and css . And we use python, bootstrap and django for database administration to make effective interaction at the back end. Generally:

 Languages to be used are:

* Html
* Css
* python

Frameworks to be used are:

* Bootstrap
* Django