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| Project Report    Code-Ville Job portal |

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# 1. Definition of the Problem

# 2. Requirement Analysis

* **List of inputs to the system**

* **List of outputs expected from the system**

* **Overview of processes involved in the system**

* **Hardware and software required for implementing the project**

## ➢ Customer’s acceptance criteria for the project

# 3. Design Phase

Design phase involves the preparation of the blueprint of the proposed system.

## ➢ Designing the GUI Standards

Multiple Web pages may be created for implementing the project and linked to each other. Each of these Web pages or forms should have a consistent look with respect to appearance and theme used. The font styles, color of the labels, design and appearance of the command buttons, the appearance of header and footer, and the design and size of controls, such as check boxes or text boxes should be consistent through all the pages.

You should record the GUI standards in the **'GUI Standard Document SWD/Form No. 4'** given in the Documentation Section of this Project Guide. Also, you should record the **'Interface Design Document SWD/Form No. 5 and 6'** given in the Documentation Section of this Project Template.

## ➢ Assigning and Monitoring Tasks

You are expected to fill the Task sheet as shown in the document ‘**SWD/Form No. 7**’ given in the Documentation Section of this Project Template.

You should fill the final checklist in the document ‘**SWD/Form No. 8**’ given in the Documentation Section of this Project Template.

# 4. Architecture of Website

# 5. Evaluation/Testing

Each of the pages has been tested using different browsers such chrome, Firefox, Internet Explore and Page seems to be working and compatible

# 6. Project Tracking and Monitoring Activities

Conduct a review to understand the project status and record the findings of the **Project Review** in the document ‘**SWD/Form No. 9'**, given in the Documentation Section of this Project Template.

# 7. Documentation Section

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| **Design Plan:** | **Document Name:**  **Problem Definition Document** | **SWD/Form No. 1** |
| **Effective Date:** | **Version: 1** | **Page No.** |

*Problem definition*

After consulting several IT companies and considering the budget constraints the management of CODE-VILLE job portal has decided to launch a website that has the upcoming programmers to advance in their job search and they can now be able to see and apply for jobs posted by employers

Employers find it difficult to get talented programmers out there in the world so they have to post jobs and they can find those programmers that suite the job demands

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|  | **Prepared By NAFISO ABDI WARSAME** |
| **Date** | **26th-03-2019** |

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| **Design Plan:** | **Document Name: Customer Acceptance Criteria (CRS)** | **SWD/Form No. 2A** |
| **Effective Date:** | **Version: 1** | **Page No.** |

Client/Project Undertaken: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 1. List of inputs to the system

* There are different sign up forms available for both the employer and the programmers have to fill in with their personal information including **Names, Email account, date of birth, Phone Number.**

## 2. List of outputs expected from the system

* The employer posts the vacant posts in the company.
* A job seeker in posts his qualifications in the system including the languages he/she knows from selecting our page of languages.
* The programmer then selects the best position from the available posts.
* Then the employers selects from the available

## 3. Overview of Processes involved in the system

* The system is a platform that is majorly created to reduce the number of unemployed programmers and also give talented programmers to companies that are in need of talents and good workers.

## 4. Hardware and Software required for implementing the project

**HARDWARE REQUIREMENTS**

1GB RAM or higher

80GB Hard Disc Space

Color SVGA

CD ROM or DVD ROM Drive

**SOFWARE REQUIREMENTS**

Windows 8 .10 or higher

HTML5 and JavaScript supportive browser

Bootstrap 3.4.1 from Get bootstrap, JQuery plugins and Notepad++

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|  | | **Prepared By Nafiso Abdi** | |
| **Date** | | **25-03-2019** | |
| **Design Plan:** | **Document Name:**  **CRS** | | **SWD/Form No. 2B** | |
| **Effective Date:** | **Version: 1** | | **Page No.** | |

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| **S.No.** | **Customer’s Acceptance Criteria** |
| 1. | Easily written code that is understandable to everyone using the website |
| 2. | The website has many forms that are ease to sign up with |
| 3. | It allows the user to create an account and use his/her picture for the profile |
| 4. | It is a responsive site that you can use many devices to access the website such as phones, laptops and tablets for easy usage of the page |
| 5. | The images used for the website are simple images and are on the point with the information and the expected data from the website |
| 6. |  |
| 7. |  |
| 8. |  |
| 9. |  |
| 10. |  |

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|  | **Prepared By (Student)** | **Nafiso Abdi Warsame** |
| **Date** |  |  |

## Project Plan 1. Project Details

* **Name of the Client:**

The clients of the project are the job seekers and job makers in the employment sector.

* **Date of the Project Plan:**

The project plan is to start the planning on the 25th in the morning and started the coding part in the evening of the same day .almost 50percent of the project was completed on the 25th.

We did part of the remaining work on the 26th in the morning and the evening including the documentation of the project.

We completed

* **Project Vision/Objectives:**

(Define the project vision/objectives as stated by the client)

The vision of the project is to create a linking point that connects idle talented programmers to the IT sector that provides employment opportunities and also get well trained programmers to perform the required tasks from them.

The website creates jobs for the unemployed programmers get a platform to post their qualifications, work experience and any other information that may be in position to them the job.

* **Scope:**

(Mention the scope of the project giving the location that will be covered, processed, range of services, and so on)

Basing on the decision taken by management of Code-Ville Job portal the following are requirements based on which the single page website must be developed

* Home page for Code-Ville that has buttons
* Our front end is being powered by REST API that was developed in flask and using PostgreSQL as database. The backend system was hosted on Heroku cloud link<https://git-hub.com/kodek-sleuth/Job-Portal-API.
* The log in page has where the user is able to login to the portal if has already signed up for it.
* The employee searches for the language he/she is good at and the it is able to display the jobs.
* The Employee applies for the job and the employer checks for the aspiring applicant.
* The employee does the tests and finally gets into the job.

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| **Design Plan:** | **Document Name: Project Plan** | **SWD/Form No. 3** |
| **Effective Date:** | **Version: 1** | **Page No.** |

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## ● Our understanding of the client organization

(Give the range of services, functions, overview of processes, and so on)

* Unemployed programmers :

Due to rise of unemployed programmers we

We have decided to ease their job search through our web portal

Which provides arrange of opportunities .

* Employers:

Our site has helped a wide range of employers to discover a well trained young talented Programmers by posting their job vacancies to the website and the programmers apply for the available posts.

## ● Project Organization with Responsibilities and Authorities

(Give the name of Project team members their roles and responsibilities)

Brooke Stanley Agina: Coder

Mugerwa Joseph Lumu: Chief Designer

Lukwiya Bonnie : CSS and J-query compiler

Nafiso Abdi Warsame: Documenter

Banobe Pascal: Chief Editor

Nathan Blair: Documenter

## 2. Project Initiation/Requirement Documents

(Information required from the client as inputs regarding his/her system; could be the information about the services, processes, and so on)

* The email
* The phone number
* The password

## 3. Deliverables

(The documents to be handed over to the client – such as CRS, Design Document, Installation Manual, User Manual, Maintenance Manual, and Code of documents)

## 4. Project Dependencies

(Any event or task outside the scope of the project which will affect the success of the project)

* Proper data compilation
* Proper research
* Use of updated browsers

## 5. Major Project Milestones

(Generating CRS and Building a Prototype)

* Proper working API
* Back end

## 6. Quality Plan

● **Review Activities** (Review meeting participants, frequency and so on)

Since receiving the email on 25th the team has been meeting to discuss and do the project that has been entrusted with us.

1-lukwiye bonnie: Front end developer

2-Banobe Pascal: Data compiler

3-Nafiso Abdi: Documenter

4 -Mugerwa joseph Lumu: Back end manager

5-Nathan Blair: Chief Editor

6- Brooke Stanley Agina:

The team stays with each for almost 12hours and each individual does his part of the task at night alone and that has been the 3 days that has been given to us to complete the website.

## ● Testing Activities (Final Test)

We did a final test on each and every page with different browsers including Firefox, chrome

And internet Explore and every page seemed to work well with the above Mentioned

Browsers.

● **Backup and Recovery Strategies** (In case of disk crash, network failures, and so on)

We have hosted the website on **NETLIFY** which can be used as storage facility anytime since

The DATA is stored on a server.

We have also used storage devices such as flashes, Hard discs and CDs. ``

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|  | **Prepared By** | **NAFISO ABDI WARSAME** |
| **Date** |  | **25-03-2019** |

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| **Design Plan:** | **Document Name: GUI Standard Document** | **SWD/Form No. 4** |
| **Effective Date:** | **Version: 1** | **Page No.** |

## Document Design

|  |  |
| --- | --- |
| **Property** | **Value** |
| Document Theme and Color Scheme | Office theme |
| Form-Background Color | Light-Blue |
| Title-Font Size | 14 |
| Title-Font Color | White |
| Title-Font Style | Calibri |
| Title-Alignment | Center |
| Background color of Controls on the form |  |
| Foreground color of Controls on the form |  |
| Control Caption-    Font Size | 11 |
| Control Caption-  Font Color | black |
| Control Caption-  Font Style | None |
| Control caption and controls-Alignment | Center |
| Command button-Alignment | Center |

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|  | **Prepared By** | **NAFISO ABDI WARSAME** |
| **Date** |  | **25th-03-2019** |

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| **Design Plan:** | **Document Name: Interface Design Document** | **SWD/Form No. 5** |
| **Effective Date:** | **Version: 1** | **Page No.** |

## 1. List of forms to be created

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| **Page/Form Name** | **Description** | **Controls on the Page/Form** |
| **Chat page** | **The page enables user to chat with the employee** | **The employer to chat with the employee.** |
| **About us page** | **it contains more information about the company** | **This page illustrates about the company and terms and conditions** |
| **Employee Update** | **It contains the name, username, email, password, country, Company, and the language.** | **The employee is able to update his/her information** |
| **Employer Update** | **It contains the name, username,email,password, country, Company, language** | **This is the page used by the employee where he is able to enter his information required** |
| **Employer Post Job** | **It contains the Job title ,description, Main Stack, Other Stacks and type** | **The employee is able to post a job so the employee is able search for it** |
| **Employer Sign up** | **It contains name, user name, email, password, country and language** | **The user has enter in the information required and submit it** |
| **Log in** | **It contains the user name and the password** | **Enter in username and the password and send** |
| **Home page** | **It contains many sign up , sign in buttons ,about us , and post job** | **This is a welcome page for the for the employer or the employee** |

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|  | **Prepared By (Student)** | **NAFISO ABDI WARSAME** |
| **Date** |  | **25TH -03-2019** |

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| **Design Plan:** | **Document Name: Interface Design Document** | **SWD/Form No. 6** |
| **Effective Date:** | **Version: 1** | **Page No.** |

## Process/Module Name

Code-Ville job portal

## 2. Process/Module Description and Details

* The home page was designed by Bonnie and it is responsive.
* The back end of the website was worked by Joseph where it is able to allow user validation.
* The forms were created by Pascal and they allow the user enter in data which is required by the user.

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|  | **Prepared By NAFISO ABDI WARSAME** |  |
| **Date** |  |  |

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| **Design Plan:** | **Document Name: Task Sheet** | **SWD/Form No. 7** |
| **Effective Date:** | **Version: 1** | **Page No.** |

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| --- | --- | --- | --- | --- | --- |
| **Date:** | **Project Plan/ Milestone** | **Work**  **Specification** | **Status of the Activity** | **Remarks** | **Responsibility** |
| **25TH -03-2019** | **Home page design** | **Design** | **Good** | **Good** | **Designer** |
| **25th—03-2019** | **Sign up form** | **Frame work design** | **Good** | **Good** | **Data analyzer** |
| **25th-03-2019** | **Sign in form** | **Frame work design** | **Good** | **Good** | **Compiler** |
| **26th-03-2019** | **Update form** | **Frame work design** | **Good** | **Good** | **Researcher** |
| **26th-03-2019** | **About us Page** | **Design view** | **Good** | **Good** | **Coder** |
| **27th-03-2019** | **Log in form** | **Validation** | **Good** | **Good** | **Chief Editor** |

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|  | **Prepared By (Student)** | **NAFISO ABDI WARSAME** |
| **Date** |  | **25TH 03-2019** |

**Final Check List**

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| **Design Plan:** | **Document Name: Final Check List** | **SWD/Form No. 8** |
| **Effective Date:** | **Version: 1** | **Page No.** |

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| **S.No** | **Aspect Tested** | **Suggestion/Remarks** |
| 1. | Have all the modules been properly integrated and are they completely functional? | **Yes** Every Page has been tested and works well. |
| 2. | Does each unit meet its objective and purpose?  Are all the validations happening properly? | **Yes** every unit meets its objective and all validations are well. |
| 4. | Is the GUI design consistent all over? | **Yes** the GUI Is consistent all over. |
| 5. | Are the codes working as per specification? | **Yes** the codes are working per specification |
| 6. | Does the application’s functionality resolve the client problem, and satisfy his/her needs completely? | **Yes** |
| 7. | Have the hardware and software been correctly chosen? | **Yes** |
| 8. | Additional features and utilities that give value addition to the entire project. | **Yes** |

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|  | **Prepared By (Student)** | **NAFISO ABDI WARSAME** |
| **Date** |  | 25th 03 2019 |

# 8. Source Code

# 9. User Guide

1. **System Requirements:**

1GB RAM or higher

80GB Hard Disc Space

Color SVGA

CD ROM or DVD ROM Drive

1. **Host the Site: NETIFLY**