## **COMP1682**

# A PROPOSAL OF WEB APPLICATION DEVELOPMENT FOR

## **VIGGA – ONLINE RECRUITMENT WEBSITE**

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#### 1 Overview

CV stands for "Curriculum Vitae". This is a summary of information about the candidate's education, work experience, and skills related to the job that the candidate wants to apply for (Smith J., 2021). Usually, a position will have a lot of applications. Employers do not have enough time or human resources to interview each person, so a CV will help them eliminate unsuitable candidates. Along with the great development of technology, online job searches and recruitment activities have become popular. Candidates will submit CVs on technology platforms, and at the same time, businesses will use that technology platform to find potential candidates. Therefore, online CV templates are favored by many candidates because they have greatly supported the job application process. Through online recruitment, businesses can easily access many candidates who are suitable for each job position. Therefore, recruitment websites are going to be useful tools for both recruitment companies and candidates looking for the right job.

In this project, I will go into detail about the process of making a website that allows users to seek jobs, offers a CV generation option (with customizable templates), and handles payroll for users. For recruitment companies, the web will provide them with a free job posting function on the website. In addition, the website also provides employers with a candidate search function, so employers can search for candidates matching specific criteria, view candidate profiles, and contact directly to invite interviews. HTML5, CSS, Javascript, and NodeJS are the most modern and practical languages to build this web application. This website will help candidates create an online CV quickly and easily and select and search for job postings according to criteria such as region, field, salary, etc. Moreover, the web is constantly updated with information about new jobs, and information posted on the web ensures credibility. In addition, users can save relevant jobs to facilitate filtering of selected or applied jobs.

#### 2 Aim

This project aims to develop a website to help businesses reach many suitable candidates. At the same time, this website also helps users search for jobs quickly, and it also provides a professional online CV template that helps users fill out and adjust information easily.

#### 3 Main objectives

#### 3.1. Get knowledge about recruiting web application

- 3.1.1 Examine the fundamental classifications, definitions, and coding of recruiting web applications [2.0]
- 3.1.2 Examine the features and architecture of web applications [3.0]
- 3.1.3 Assessment of comparable recruiting website applications [2.0]

#### 3.2. Research of recruitment web application technology

- 3.2.1 Investigate web application software technologies [1.0]
- 3.2.2 Study on specific technologies (NodeJS, HBS, SCSS, JavaScript) [7.0]
- 3.2.3 Local storage evaluation of the recruiting website [5.0]
- 3.2.4 Study unique characteristics [14.0]

#### 3.3. Review of the NodeJS web application tool

- 3.3.1 Investigation and Assessment of NodeJS [2.0]
- 3.3.2 Examining NodeJS web application development [10.0]
- 3.3.3 Investigate and select an appropriate NodeJS engine that contributes to a Handlebars application [3.0]
- 3.3.4 Examine the properties and use techniques of the chosen JavaScript engines with care. [7.0]

#### 3.4. Web Application Installation

- 3.4.1 Develop Web Application Theories and Methodologies [7.0]
- 3.4.2 Web application design functionality [14.0]
- 3.4.3 Developing web application user interfaces [5.0]
- 3.4.4 Web application development for recruitment [3.0]
- 3.4.5 Diagnose and correct web application errors [7.0]

#### 4 Legal, Social, Ethical and Professional

#### Legal:

- The materials used in my project will come from the University of Greenwich's online library and reputable sources.
- This project is accepted by the University of Greenwich.

#### Society:

- The website is not related to social evils and verbal violence morality:
  - This project is my team's research and development.
  - The project is not copied and plagiarized

#### Professional:

- Non-disclosure disclosure to unsuitable persons and safeguards to ensure the accuracy of data are also included in the privacy problem.
- Appreciate and cherish opposing viewpoints, and accept sincere feedback on my work.
- Avoid any circumstance that might result in a conflict of interest between myself and the concerned agency.
- Avoid unlawfully copying and reproducing software.

#### 5 Planning

A project planner in Excel format is utilized to monitor the project's progression. (See appendix A)

#### 6 References

Ashushrma (2020) Ethical issues in information technology (IT), GeeksforGeeks. GeeksforGeeks. Available at: https://www.geeksforgeeks.org/ethical-issues-in-information-technology-it/ (Accessed: March 16, 2023).

Smith, W.by J. (no date) How to write a CV, Prospects.ac.uk. Available at: https://www.prospects.ac.uk/careers-advice/cvs-and-cover-letters/how-to-write-a-cv (Accessed: March 16, 2023).

#### **A**PPENDIX

# Schedule of Work

### Recruitment Website Project

Recibitment Website Project							
Company Name: Vigga					Period Highlights // Plan Quasion // Actual Start // K Complete // Actual (Seyond plan) // N Complete (Seyond plan)		
АСТІVПУ	ASSIGNED	PLAN START (DAYS)	PLAN END (DAYS)	PLAN DURATION	WERKS		
		(onta)	(LINTS)	(DAYS)	1 2 3 4 5 6 7 8 9 ## ## 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38		
Review of different domains	Truong&Duoc	3/15/2023	18/03/2023	3	<i>"</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Select project of discussion	Truong&Duoc	3/18/2023	20/03/2023	2			
➤ Project discussion		20/03/2023	27/03/2023	7			
Scope	Truong	20/03/2023	22/03/2023	2			
Resources	Truong	22/03/2023	24/03/2023	2			
Benefits	Truong	24/03/2023	26/03/2023	2			
Policy	Truong	26/03/2023	27/03/2023	1			
<b>♦</b> External support		27/03/2023	29/03/2023	2			
Schedule first meeting	Truong&Duoc	29/03/2023	31/03/2023	2			
Improve the scope	Truong&Duoc	31/03/2023	02/04/2023	2			
Define desired input output	Duoc	02/04/2023	03/04/2023	1			
➤ Feasibility	5 550.	03/04/2023	06/04/2023	3			
Risk assessment	Truong&Duoc	03/04/2023	04/04/2023	1			
Critical success factor	Duoc	04/04/2023	05/04/2023	1			
Project requirement	Truong	05/04/2023	06/04/2023	1			
► Start project	Truong	06/04/2023	12/04/2023	5			
	Dune			2			
Divide roles Create Schedule	Duoc	06/04/2023	08/04/2023	1			
	Truong	08/04/2023	09/04/2023	2			
Design a work plan	Truong	09/04/2023	11/04/2023				
Contract Completition	Truong&Duoc	11/04/2023	12/04/2023	1			
Abstract and final project	Duoc	12/04/2023	13/04/2023	1			
Acquisition of software	Duoc	13/04/2023	14/04/2023	1			
► Purchasing of software		14/04/2023	04/05/2023	20			
Review of software version	Truong&Duoc	14/04/2023	18/04/2023	4			
Downloads from internet	Truong&Duoc	18/04/2023	01/05/2023	13			
Software dissemination	Truong&Duoc	01/05/2023	04/05/2023	3			
► Detail design of project		04/05/2023	18/05/2023	14			
Object oriented analysis	Truong&Duoc	04/05/2023	11/05/2023	7			
Study of modules	Truong&Duoc	11/05/2023	18/05/2023	7			
Design of interface		18/05/2023	03/06/2023	16			
Dashboad	Truong&Duoc	18/05/2023	01/06/2023	14			
Menus	Truong&Duoc	01/06/2023	03/06/2023	2			
<b>♦</b> Coding	Truong&Duoc	03/06/2023	02/09/2023	65			
Development of test cases	Truong&Duoc	02/09/2023	04/09/2023	2			
Confirmation and verification	Truong&Duoc	04/09/2023	06/09/2023	2			
Acquisition of web space	Truong&Duoc	06/09/2023	10/09/2023	4			
Development of user manuals		10/09/2023	12/09/2023	2			
Installation		12/09/2023	13/09/2023	1			
▶ Beta version testing		13/09/2023	18/09/2023	5			
Maintenace	Truong&Duoc	18/09/2023	28/09/2023	10			
Prepare for a final project	Truong&Duoc	28/09/2023	20/10/2023	23			
AND STATE OF THE S	Truongas 2000			8			
♦ Final project		20/10/2023	28/10/2023	8			