Statement and Confirmation of Own Work

A signed copy of this form must be submitted with every assignment.
If the statement is missing your work may not be marked.

Student Declaration

I confirm the following details:

Candidate Name:	SHIHAB SAJID MIRZA
Candidate ID Number:	P00190603
Qualification:	NCC L5DC
Unit:	COMPUTING PROJECT (PROBLEM STATEMENT)
Centre:	ZCAS UNIVERSITY

I have read and understood both NCC Education's *Academic Misconduct Policy* and the *Referencing and Bibliographies* document. To the best of my knowledge my work has been accurately referenced and all sources cited correctly.

I confirm that this is my own work and that I have not colluded or plagiarised any part of it.

Candidate Signature:	
Date:	27/03/2023

The current system:

Visionary technologies enterprise (VTE) is a technology products and services company register with PACRA. It builds products for various clients that are in need of a technology services or product. VTE's approach is to hire freelancers who are interested in working on projects that offer a significant payout. The company assesses the skills of these freelancers to ensure that the quality of VTE's products is maintained. After being hired or partnered with VTE, freelancers are assigned projects to work on. Depending on the project's complexity, it may be completed by a single freelancer or split among multiple freelancers, each with a specific skill set required for building specific parts of the project. For example, a graphic designer may design graphics and UI/UX, while a front-end developer may focus on the front end, and a backend developer may work on the back end. Upon project completion and payment from the client, VTE takes its cut and then distributes the remaining funds to the freelancers based on the amount of work they contributed to the project.

The current system operation:

Currently, it keeps record of its hired freelancers and the projects they are assigned to do, on paper. It also communicates to freelancers about the project specifications via WhatsApp, or other social media applications.

Business operation:

VTE looks for clients or a client sends VTE a message to do build a website, app or design an advert etc. sends a quotation, if client agrees on the price:
VTE sends a message in the WhatsApp group to notify freelancers about the project.
Interested freelancers will communicate with VTE.
VTE chooses the best freelancers among them, if the they are occupied/busy on another project, it then shifts priority to the next best freelancers and so on.
Depending on the complexity of the project, VTE may split it up amongst 2 or more freelancers.
Once project is completed, client will pay and VTE will take its cut which is x % of the initial amount. The rest of the funds are transferred to the freelancer's bank accounts.

Note: VTE interviews freelancers before hiring, to maintain the integrity and quality of their products.

Proposed system:

The proposed system is a web-based application designed in an admin dashboard style. Freelancers and admins will have their own separate dashboards, accessible via the index route and /admins route respectively. Users will need to log in to access their respective dashboards.

Once logged in, freelancers will be able to view a page showing the current projects they are assigned to. Clicking on a project will provide further details such as the due date, specific components of the project they are responsible for, the compensation they will receive, and information about the other freelancers working on the same project. Freelancers will have the ability to mark a task as complete or choose to unlink themselves from a project if they are unable to complete the given task.

Admins, on the other hand, will have a page to add new freelancers and view a list of all current freelancers, with options to remove, block, or ban a freelancer as needed. There will also be a page where admins can update a freelancer's details.

Finally, admins will be able to assign projects to freelancers and mark projects or tasks as complete, when necessary, all within their dashboard.