Final Year Project Proposal

Title: Student Service Marketplace (SSM)

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Brief Project Description

What is a Service? The action of helping or doing work for someone. - Oxford

What is a Marketplace? A place where a particular product or service is bought or sold.
- Cambridge

Service Marketplace? An online service marketplace is a website where private individuals, professionals, or companies can offer their services. - sharetribre

SSM intends to serve as a hub for advertising and getting information about various services amongst students. The application would act as a platform for automated transactions between service providers and customers.

Statement of problem

People's ability to carry out routine duties and activities has improved thanks to technology. The traditional technique is for clients to physically visit the shop that provides the services they want to obtain these services.

Many undergraduates are skilled individuals who can provide services in various aspects but have little or no capital to set up a shop in their institution and for this reason, are either limited or unable to render their services. Leaving them options of taking up other illegal activities to maintain themselves. Additionally, Service providers perform their transactions manually, which takes time and effort to execute. It is believed that the existing approach is wasteful and ineffectual at streamlining the entire process of offering and receiving services.

Proposed Solution

To address the above-mentioned concerns, the researcher of this study is proposing a Service Marketplace System. The said project will serve as a centralized platform where service providers and customers register to conveniently complete transactions. Service providers can offer their services electronically which can reach a wider range of customers, and transactions will be easier. Customers also would not need to physically visit stores to avail services they wanted. The automated marketplace for service is an effective alternative that offers service providers and customers a much greater advantage and convenience.

Objectives

The main goal of the project is to design and develop a system that will make buying services for students faster, easier, more affordable, and more reliable. Additionally, a means of earning for the service providers.

The System;
1. Service providers list services on the marketplace
2. Marketplace helps providers and customers meet and interact
3. The customer finds the service and books it
4. The customer pays for the service using the provided payment on the marketplace system
5. Provider receives their share of the customers' payment

Foreseeable Issues and how these will be tackled

Security
Security is an important feature of any software. There is a range of threats facing online businesses in today's world. The best way for businesses to protect against these threats is to have a comprehensive set of security tools in place and to utilize Security Awareness Training to ensure that users are aware of security threats and how to prevent them.

Below are ways SSM intends to tackle security on its platform
- *Ensuring Data Security*: The framework to be used (.NET) adds key security features to its platform. SSM will safeguard all digital information and protect it from corruption, theft, or unauthorized access.
- *Payment Card Security:* The payment gateway to be used (Paystack) offers a lot, from security to simplicity to Transparency.
- *Verifying and Confirming user Identity before onboarding them on the platform:* we use (Appruve API). To verify the identity of the users before onboarding them.
- *Feature to share current location from the platform*
- *feature to report suspected users to be blocked from the platform*

Scope
The proposed software will be limited to the students of The Federal Polytechnic Ede.
The study will serve as a baseline for anyone who wants to pursue and further extend the Capstone Student Service Marketplace.

Data Source
The system does not rely on any external source as it stores all data in its database.

User Types: Administrator, Service providers, and Customer

Software Requirements:
Database: SQL Server 2019
Framework: .Net
Front-end: HTML, CSS, and JavaScript
Backend: C#