Career Guidance Tool

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ABSTRACT: -

Millions of students struggle to understand the career options open to them as they have limited access and exposure to quality mentors. We have an existing Manual Career Guidance System with human counsellors in charge, but this system is plagued with the problems like few numbers of human counsellors, few numbers of counsellors attending to students during school hours etc.

1. Introduction

Career guidance consists of services that help people successfully manage their career development. Career guidance is a set of intervention strategies designed to ease the career development of the individual. In career guidance, counselling is used as one of the interventional strategies. The student will get to benefit front the information system when they visit the web site, register, take a career quiz and view the advisor page that intends to intimate them with the career path in which the test has deemed fit for them. In summary, this project will do a large extent help to provide a solution to the subject of career choice, it will try to provide an alternative and complement human counsellors, in that it will be readily available to anyone. with a device that has a functional browser and access the internet.

2. Problem Foundation

2.1 Objective

The aim of this project is to deploy a web site that helps pre-tertiary students make a better career choice, with the following objectives.

- To explore the problems encountered by the existing manual system and help students discover and explore their interests and get assistance to choose future career paths and skilling options.

- To design a web-based career guidance system that will improve upon the existing manual/ human career guide.

- To implement a web-based application that will help young ones get a good understanding of themselves and advise them on the career path that best suits them. And also serve as a complementary tool for career guide and counselors.

2.2 Scope

This project is accessible to each and every person. The solution includes the following features: Based on the orientation / subject/topic interest, answer what are possible next steps - What future career options are waiting to welcome you. Student can visualize future paths available on a orientation and interest. The tool could leverage best practices and best AI/ML to develop needed insights to guide students.

3. Literature Review

At the advent of the 21st century, the internet has brought us so any possibilities. Career guidance is not an exception, below are some existing online career guidance websites

The website with the url: www.careerfutura.com which demands that those who want to use the career guidance service must pay a reasonably large amount of money. Thereby making it not accessible to those who are not financially buoyant. No provision for free trial at all. An objective of this project is to deploy a FREE career guidance information system.

4. Methodology

In order to design and implement a functional web-based career guidance system, the following approaches are used.
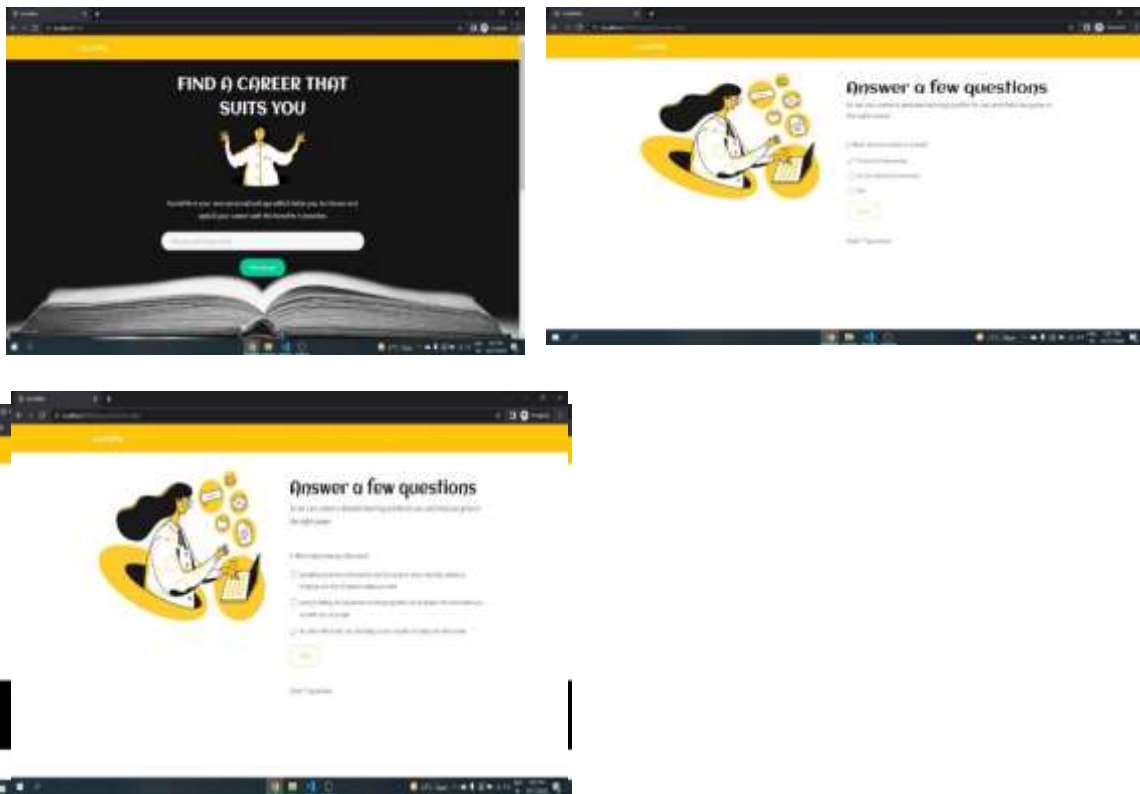
Understand fully what the project is about and what is required of the proposed system, define the scope of the project.

- Study the existing manual system and draft out a way of computerizing an improved manual system.

- Designing the web interface using HTML and CSS

- Creating a database for the project

- Linking the page with the database.

- Designing the career quiz page

Bottom-Top methodology is used in designing this project. The input of this system from the user point of view is basically his actions on the pages of the site which make up the system, these pages will be implemented by encoding them with HTML and the page layout and design done with CSS (cascade style sheet). The user will interact with the system by clicking on menus hyperlink as well as selecting the answers on the quiz page, the quiz answers will be implemented using radio buttons whereby only one option out of the four (4) can be picked. The quiz questions also will be stored in the database and subsequently retrieved using PHP and SQL commands, the result of the quiz will also be stored in the database and can be retrieved any time the student revisits the site. A student can take the quiz several times and the result of each quiz will be stored for future use or reference.

5. Result Discussions

In this project we have been able to explore the problems encountered by the existing manual system, to design a web-based career guidance system that will improve upon the existing manual/ human career guide and to implement a web-based application that will help young ones get a good understanding of themselves and advise them on the career path that best suits them. And also serve as a complementary tool for career guide and counsellors. we have studied career guidance, designed a functional web application and implemented it with some successful test results.

6. Conclusion

This design and implementation of a web-based career guidance information system used study career guidance as a tool to helping students choose a proper career path, design a way in which the manual system of guidance can be computerized and to deploy a website that will serve as a virtual career guide and an advisor to students on what career path to take and the relevant courses to offer in order to succeed in the career path.

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