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A Survey on Cloud Based Career Guidance System

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ABSTRACT: The choice of the appropriate career is crucial in today's environment. The kids must do a very challenging and intricate activity. One should consider their abilities, capacities, areas of interest, and skills when picking the correct vocation. The majority of pupils have trouble with this job, so it's not as easy as it seems. All of these issues can be resolved by using our programme. It is a strategy to give students the right advice by suggesting jobs for them to pursue following the 10th and 12th grades. The results of the aptitude test are used to evaluate the pupils, and they are given the right career advice to help them reach the pinnacles of success in life. The intelligent system employs student-driven parameters for job advice, such as a mix of their preferred science subjects, the results of their career interest inventory analysis, and their IQ test results.

KEYWORDS: Cloud, Career, Guide, Student, Test

I. INTRODUCTION

A cloud-based career guidance system is critical to our academic system. We have an existing internet-based career advising system with a variety of concerns available on the internet: The system is not always accessible; it does not provide free courses to scholars; it does not provide courses for study; and it does not specialize in new trends. We were able to develop a web Career Guidance system that targets students who have graduated from high school and are aiming for the next step in their career. We further targeted students who have financial difficulties and cannot afford courses on the platform. Internet-based Career Counselling Tool was built and implemented with data gathered by measuring several career guidance tools available on the internet. Following scripting languages were used: JAVA, MySQL, HTML, Java Script, Bootstrap, and CSS.

II. LITERATURE REVIEW

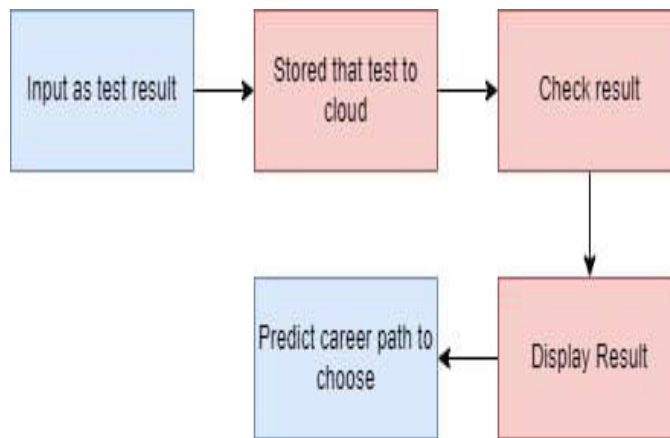
S Vignesh; C Shivani Priyanka; H Shree Manju; K Mythili [1]; A computerized career advising method is utilized to forecast the best department for an individual based on objectively assessed talents. If a person completes their online evaluation, which established in the system, they will automatically end up choosing a suitable course, lowering the failure rate due to choosing the wrong career route.

Kasem Seng; Akram M. Zeki [2]; This system describes the development of a web-based system for Career Guidance and Employment Management (CGEMS). This system also provides certain tests or quizzes connected to such careers and the user personality that will be important for the career path in order to assist users in determining their best job choice. Furthermore, when looking for employees, CGEMS users such as a firm or organization can submit a job description.

Kazi Fakir Mohammed; SushoptiGawade; Vinit Nimkar [3]; This system will take into consideration various factors before pre-sending questions to the candidate. Also, keeping in track the student's previous history which also is of utmost importance, the final result that would be displayed to the student would take into consideration the historical factors of the students as well.

III. SYSTEM ARCHITECTURE

Our product is included in this suggested system as two primary components, one for suggestion and the other for displaying the summarized findings. By providing their login id and password, the user will be able to interact with the system and undertake the test. The user will get a recommendation and a summary of the given test based on the questionnaire taken. The test is divided into various - For each of the sets, the exam provides four options. The quiz result will also be saved in the database and can be retrieved whenever the student returns to the site. A student can take the quiz multiple times, and the results of each quiz will be saved in the cloud for future use or reference. The construction of a career advice and counselling system is based on one of the roots of expert systems, which is also one of the key roots in expert systems.



i. Algorithm Style

Start

- Step 1: If (student is registered) then
 - Sign in
 - Input unique identity (id), password
 - else
 - Sign up
 - Input details (name, password, gender, date of birth, phone number, email ID, country)
 - End if
- Step 2: Link for test
- Step 3: Give test
- Step 4: Test result generated
- Step 5: Back to sign in page
- Step 6: Link for cloud storage where eBooks are available
- Step 7: If (student wants to give test again) then go back to step 3
- Else
- Sign out
- End

End

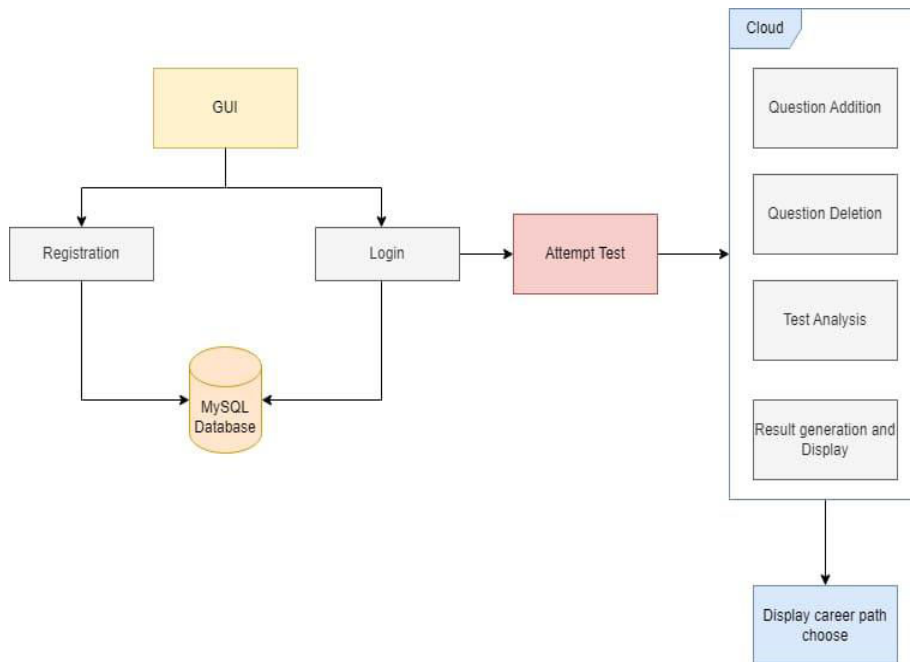


Figure 1: System Architecture

ii. Data Flow Diagram

In Data Flow Diagram, we illustrate the flow of data in our system in DFD0, where the rectangle represents input and the circle indicates our system. In DFD1, we show the actual input and output of our system. The input of our system is text or image, and the output is rumour generated. Similarly, in DFD2, we show the operation of both the user and the administrator.

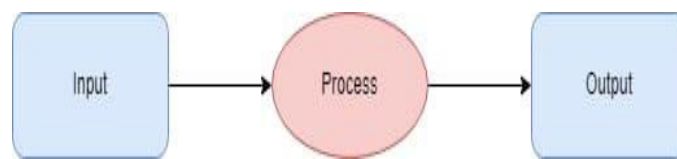


Figure 2: DFD Level 0

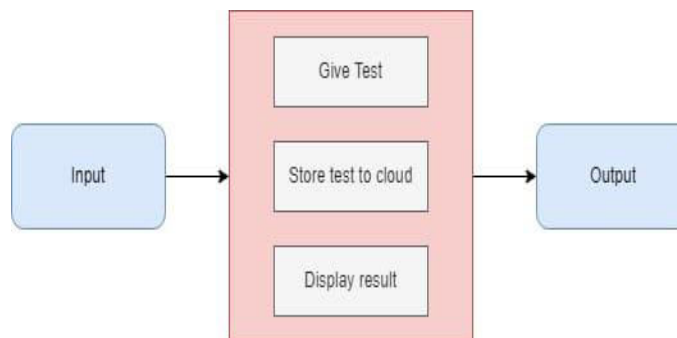


Figure 3: DFD Level 1

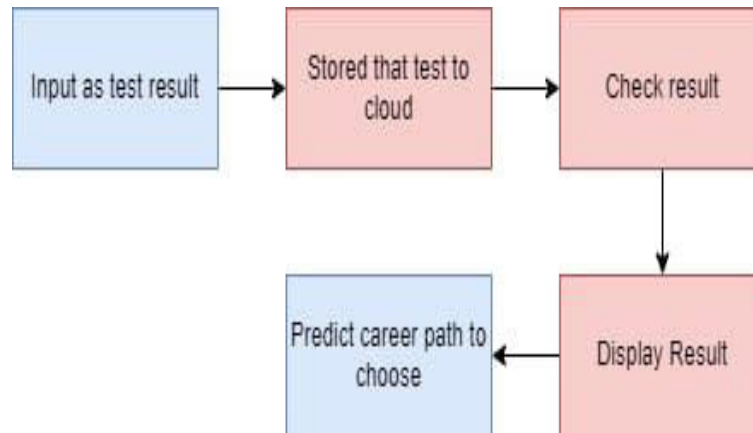


Figure 4: DFD Level 2

IV. CONCLUSION

The system's major goal is to help pupils identify their own personal talents, personality and abilities. Students can select a professional path with the assistance of a career advice system by interacting directly with the online counsellor. It will additionally benefit them to pursue their passion. This approach assists both 10th and 12th grade students. Typical students in the tenth grade would be able to select appropriate streams for their own benefit. Students in the 12th grade can choose from a variety of fields. This procedure is dependent not only on professional experts, but also on information provided by parents and their offspring. This process is also highly significant and beneficial in terms of development.

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