CAREER RECOMMENDATION SYSTEM

INTRODUCTION

Knowing the right career path that has to be chosen is the first step towards our better future. Our Career path defines our whole life but in today's world with increasing technologies,daily new career paths are introduced therefore the number of choices also increases this can lead to confusion among young adults that may lead to wrong career choices .

Recommender Systems can be defined as programs and techniques that provide suggestions for items such as products or services that are most likely of interest to a particular user namely individuals or businesses. The concept of understanding a user's preference by their online behavior, previous purchases, or history in the system is called a recommender system. The need for a recommender system has grown from time to time. At First, Entertainment industries exploited the benefits of these systems. Then recommender systems were implemented in e-shopping businesses, online news, but very few companies have tried implementing it in the hiring process. One of the areas wherein such systems can play a major role is in helping students achieve their professional dreams via producing customized career paths based on students choices .

OBJECTIVE

Our project is meant to help students make decisions . We use a machine learning program that asks the students questions, and recommends the better stream based on the skills and academic performance provided. Machine learning provides a better ability to upscale, upgrade and obtain results than hard coded algorithms. A machine learning model is an entity that understands the problem – this is obviously better for non-deterministic, real world problems like recommender systems, compared to a pre-programmed system that can do nothing but go by the book. Intuitively, Machine learning is the right approach for this problem, and we have made use of the same.

METHOD

Evaluating the quality of composite synthesized images for neural networks is a difficult problem; there is no canonical method to assess the performance of image stitching. Traditional edge detection technology, such as Sobel filter detection and Canny edge detection, can be used for seams detection but are not optimized for tile-based systems where the seam locations can be anticipated. In addition, these algorithms output images with edges rather than comparable values.

TOOLS & TECHNOLOGIES

HTML 5:Hypertext Markup Language (HTML) is the standard markup language and web applications. IT is used to make the website.
CSS: IT is used to make the website more attractive.
Javascript: it is used to make the pages more interactive.
PHP 5.2.0:PHP is aside scripting language development, and also used as a general purpose programming language.
Python : Python is used to implement machine learning algorithms.
MySQL: It is an open source relational database management system .It is used to store and manage databases.
Operating system: windows 7 and above
Hardware:Intel Pentium 4 Processor and above, 1 GB RAM minimum , 150 GB Hard Disk Minimum.

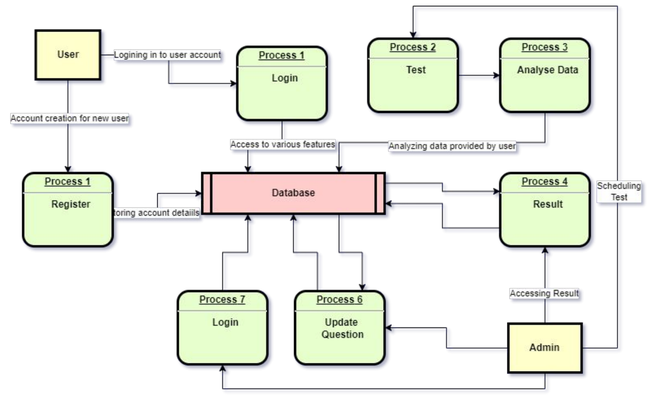
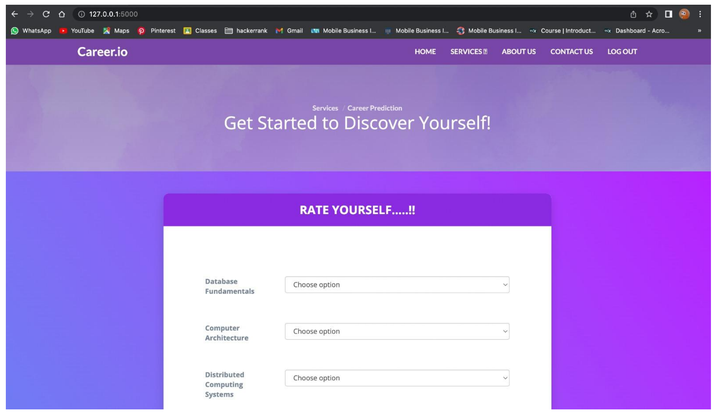
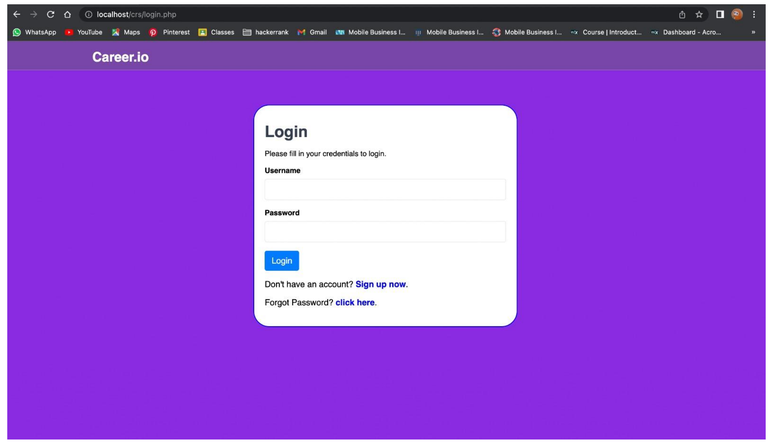


Figure No.2 : DFD

RESULT





CONCLUSION

Student's bright future is the crucial for development of the country.This is why in this paper we have tried propose a model that will help students select the right career pathway.The opportunities provided by this technology is immense and many students can use it to select the career appropriate to their skills.We have developed a software tool to evaluate the aptitude and personality of a person based on his/her academic level using carefully curated personality and aptitude tests. This tool will help you determine your aptitude and personality traits, and will eventually help you in choosing your own career path. The application has the potential to stand financially in the market but needs to be improved a bit and then presented to Investors looking to invest in such projects. Further studies into the topic can help enhance the precision of the system.

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