

SRS For JESS Expert System Career Guidance Expert System

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Purpose

Studies have shown that people don't see their interest before deciding their career and end up getting frustrated from their life. For choosing a career people look for short term goals like money, parental pressure and forget about their interests and hobbies.. Hence we have decided to make an expert system that will help students to choose a right career path for them based on their personality and interest.

We will use MBTI (Myers–Briggs Type Indicator) test for finding out the personality and interests of the person thereby suggesting the right career choices for them.

Scope

Various Career guidance centers are available but it is expensive and tiresome to get advice and the right career path. Thus we are trying to build a software which can be freely used by students to guide them in identifying the right career choices.

Requirements

Functional Requirements

- ❖ All the questions will have three options available and thus it should be answered by giving input as 1 or 2 or 3.
- ❖ Marks of various subjects should be entered on a scale of 1 to 10.
- ❖ All questions are mandatory and any of them cannot be skipped.
- ❖ It will provide you the right career choice based on your answers.

Non Functional Requirements

- ❖ Anyone's answers will not be disclosed.
- ❖ No more than 100MB of memory is required to run the software.
- ❖ It can run on any operating system having JESS installed.
- ❖ Readme can be used to run the software for the first time.
- ❖ Interface is the command line of JESS.
- ❖ Software will give unbiased and rational choice.



Personality Questionnaire

Score in Subjects

Display personality and suitable careers



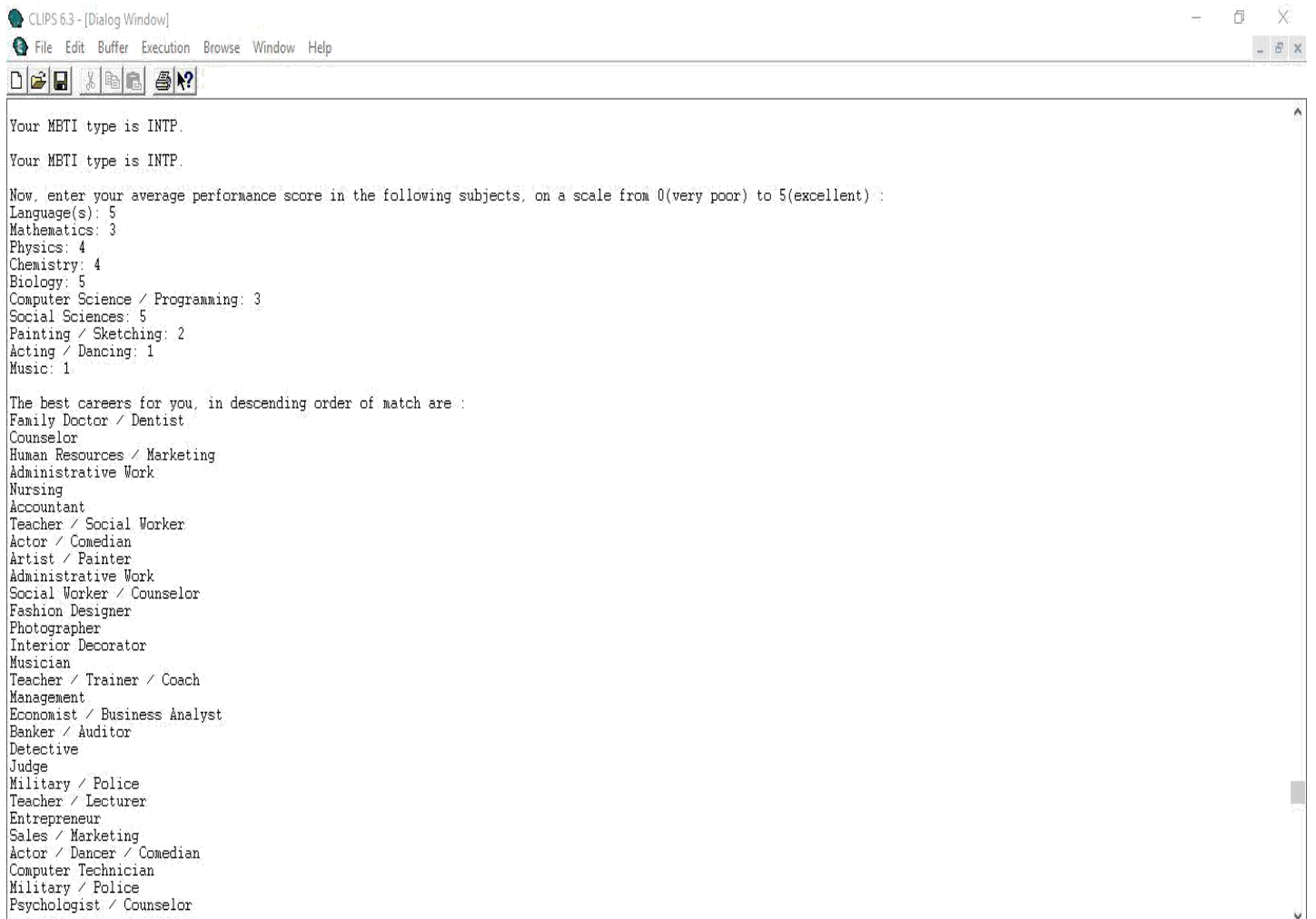


Fig. A Sample Questionnaire

Tools Used

Jess, The Java Expert System Shell is an expert system shell and scripting language written entirely in Sun Microsystem's Java language. Jess supports the development of rule-based expert systems which can be tightly coupled to code written in the powerful, portable Java language.

NetBeans 8.0.2 is a software development platform written in Java.

References

<http://www.myersbriggs.org/my-mbti-personality-type/mbti-basics/>

https://en.wikipedia.org/wiki/Myers%E2%80%93Briggs_Type_Indicator

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