

Vocational Interest Evaluator Application

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Abstract

Within everyday life each person gains a level of education and then will embark on a career path. For most people this can be a difficult decision to make; many change jobs frequently during the early part of their working life until they find a suitable job role. The main problem is how the person knows all of their favourite interests and how they relate to specific job roles. Many people choose a career they think they are interested in, but most often they realise they have made a mistake and have to look for alternative career options. With this application the user will be able to relate the interests they have and some they did not know they had. After taking the assessment the user will have a range of choices that they can choose from and research more if any catch their eye. The objective of this application is to create a functional interest evaluator which allows the user to find and understand what their interests are and how these interests could find them a job. In order to create this application it was important to research what applications already exist and how they work, then evaluate them against the clients requirement for the project to find the most suitable functionality. Once the functionality has been decided, then it is down to how this functionality will be created. For this, more research on which technologies can be used is required and whether they are appropriate for this application. At this stage all the components are known, before the design of the applications interfaces and structure can be done and then designed and implemented. The achievements of this project have been the use of JavaFX to create the user interfaces. The client required a modern, simple application to allow the user to carry out the test without visual or mental stress and being easy to understand. Also the use of a database to store the applications data reduced the need for numerous files. All the original objects were met except exporting / printing integration of iReport open source software; the application still displays the results for the user within the application and this functionality can be added at a later date. Initially it was planned to implement some of the additional functionality and tasks (administration section and logo). However, the implementation of the main functionality was primary and the additional list would have been a bonus to the application.