**KULLIYYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY**

**DEPARTMENT OF COMPUTER SCIENCE**

**CSC 1100 – Elements Of Programming**

Semester 2 2014/2015



**Project Final Report**

**[Job Application System]**

**Section 2**

**Group Members**

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**Short Introduction**

We were given a task to conduct a project on job application system. For this project, we represent our team as a professional engineering oil and gas company; Express Engineering Sdn Bhd. Approximately about a month, we managed to make a system which are able to save our applicants data in an external data file.

As this system is an online type, we do not offer them to update their data once being submitted, thus an overview is prompted first before they submit. Since the data’s were save in array, we provide them options to view their last application attempt and optional to delete the attempt. Lastly options to view and delete all the data in the external file.

The application was designed using devcpp project with our own company license and logo as a professional company. Our source codes contain all of the project requirements and additional features. Progress and release can be view on our git repository :

<https://github.com/zamzameir/EOP>

<https://github.com/zamzameir/EOP/commits/master>

**Program Flowchart**

START

DISPLAY CREDITS

DISPLAY SPLASH

DISPLAY MAIN MENU

OPTION 1

OPTION 2

X

OPTION 6

OPTION 5

OPTION 4

OPTION 3

END

INFO

PROFILE

DB PROFILE

STARTUP

LICENSE

ABOUT

TRUE

TRUE

TRUE

FALSE

**List Of Important Functions & Key Variables**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables/Functions  /Files/Structures | Data type | Return type | Arguments | Description |
| displayCredit (int,char\*\*) | Int and Char | Int | None | Received and display character |
| printmessage () | None | None | None | Print message |
| gotoxy (int,int) | Int | None | None | To center bottom position |
| load (char[]) | Array | None | int row,col,r,c,q | Receive character |
| view [6][256] | Array | None | None | Store 6 array with max of 256 ch |
| Applicant.dat | Ofstream | None | None | Stores applicant data |
| tm \*t | Structure | None | int month = 4, year = 2015, tm\_mon, tm\_mday, tm\_year | Structure of the current date month and year |
| srand (time (NULL)) | RandNo | randNo | 100 + rand () % (200-101) | Generate random number |
| t->tm\_mday | Pointer | None | None | Get the current date |