# Specifications Document

(See SAGs Appendix G – 12.4.16)

## 1.1 Problem Summary

A brief description of the project including the purpose of the project, summary of functions and description of target user group(s)

|  |  |
| --- | --- |
| **[3]** | Purpose, summary of functions and target user groups, well-described. |
| **[2]** | Aspects mostly well-described, with at least one not completely specified/described. |
| **[1]** | Only one aspect well described or part of each not fully described. |
| **[0]** | Aspects not described or completely inadequate. |

## 1.2 Research and Motivation

Research is done to discuss similar projects. Research is correctly cited and referenced.  
A motivation is included for the project indicating how this project differs from existing projects.

|  |  |
| --- | --- |
| **[3]** | Similar projects are described, cited and referenced. A motivation is supplied to include an explanation of how the proposed project will differ from existing projects. |
| **[1-2]** | Incomplete research, citing, referencing or insufficient motivation. Deduct one mark for each incomplete aspect. |
| **[0]** | No research or motivation provided. |

## 1.3 Program Functions

(See SAGs Taxonomy 2.6.2)

|  |  |
| --- | --- |
| **[3]** | Function list for scenario is detailed with sufficient complexity for the proposed program. |
| **[2]** | The function list is a substantial list of appropriate outcomes but is insufficient in complexity or the functions list is not complete. |
| **[1]** | The function list results in a simplistic program. |
| **[0]** | No functions listed. |

## 1.4 User Interface

(See SAGs Appendix G – 10.2.5, 10.4.12, 11.4.12)  
Specify the user interface and if relevant, the input/output from external hardware.

|  |  |  |  |
| --- | --- | --- | --- |
| Screen | Description | Inputs | Outputs |
| E.g. Login | Used to authenticate the user and load the user’s details into memory | Username and password | Redirects user to the main screen if successful, otherwise displays an error message. |

|  |  |
| --- | --- |
| **[2]** | User Interface completely specified for given scenario and stipulated program functions. |
| **[1]** | User Interface for given scenario incomplete. Maximum of two items inadequately specified for given scenario and stipulated program functions. |
| **[0]** | User Interface not specified or incorrectly specified. |

## 1.5 Help Features

(See SAGs Appendix G – 12.4.15)

|  |  |
| --- | --- |
| **[2]** | A variety of help features available in the program, to assist the user. Features listed and well described. |
| **[1]** | Some help features available in program, listed and partially described. |
| **[0]** | No help features in program |

## 1.6 Permanent Data Required

### E.g. User

|  |  |  |
| --- | --- | --- |
| Field | Datatype | Description |
| id | Integer | A number used to uniquely identify each user |
| username | String | A name used by the user when logging in. |
| password | String | A secret key used by the login to protect their profile when logging in. |
| date\_of\_birth | Date | The birth date of the user |
| first\_name | String | The first name of the user |
| surname | String | The surname of the user |
| theme | Enum | Whether the user prefers the dark or the light theme |

|  |  |
| --- | --- |
| **[2]** | All data for given scenario and program functions, have been correctly described and grouped appropriately. |
| **[1]** | Some data for given scenario and program functions are described with a few errors, or data is not appropriately grouped (i.e. related fields should be listed together). |
| **[0]** | No data provided for given scenario and program functions. |

## 1.7 Hardware and Software Requirements (including additional hardware)

### Hardware Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Developer** | | | **User** | | |
| CPU |  | GHz | CPU |  | GHz |
| RAM |  | GB | RAM |  | GB |
| HDD |  | TB | HDD |  | TB |
| SSD |  | TB | SSD |  | TB |
| Internet Connection | Yes/No | | Internet Connection | Yes/No | |
|  |  | |  |  | |

Very brief discussion.

### Software Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Developer** | **Version** | **User** | **Version** |
| Java Development Kit | 21 | Java Runtime Environment | 21 |
| Netbeans | 21 | Browser | Chrome 100+  FireFox 50+ |
| Word | 2016 |  |  |

Very brief discussion.

|  |  |
| --- | --- |
| **[2]** | Complete list of appropriate hardware (capacity/speed/size) and software specifications (with versions), for both user and developer. |
| **[1]** | Hardware and/or software specifications not complete. Missing details for hardware and/or software. |
| **[0]** | Hardware and software specifications not discussed. |