|  |  |
| --- | --- |
| **IT Graad 11 PAT 2024 : Healthy Living** | |
| **Naam en Van:** | **Robert van der Spoel** |
| **Projek Naam:** | **The Gym Membership** |

# **Task 1A : Define the task**

## Topic:

## Purpose of program:

## Possible solution:

## Scope:

# **Task 1B : User Stories**

| **WHO** | **WHAT** | **WHY** |
| --- | --- | --- |
|  |  |  |
|  |  |  |

# **Task 1B : User Stories - Acceptance Test**

# **Task 2 : Data Dictionary**

# **Data structures**

## Text files:

|  |  |
| --- | --- |
| **Name of text file** |  |
| **Purpose** |  |
| **Format** |  |
| **Extract of data** |  |

## Arrays:

|  |  |
| --- | --- |
| **Declaration** |  |
| **Populate arrays** |  |
| **Processing** |  |

## User defined methods

|  |  |
| --- | --- |
| **Signature** | **Explanation** |
|  |  |

# **Task 3: Database**

## Role of Database: (List of FIVE functions)

## Database design

# **Task 4 : Navigation & GUI Design**

# **Navigation**

# **GUI Design**

## Tab Sheet 1:

Screenshot of tabsheet 1

## Tab Sheet 2:

Screenshot of tabsheet 2

# **IPO – Software Design Tool (Task 5)**

## INPUT: TABSHEET 1 **(DO THIS FOR TWO tabsheets)**

| **Source** | **Variable name & data type** | **Format (type, size)** | **GUI Object Name** | **Local/Global variable** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

## INPUT: TABSHEET 2 **(DO THIS FOR TWO tabsheets)**

| **Source** | **Variable name & data type** | **Format (type, size)** | **GUI Object Name** | **Local/Global variable** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

## VALIDATION:

| **Input** | **Validation technique and description** | **Associated error message** |
| --- | --- | --- |
|  |  |  |

## PROCESSING:

|  |  |
| --- | --- |
| **What processing will be done** | **Algorithms, formulas, etc.** |
| **List:** | **Algorithms:** |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. | Algorithm 1: |
| 6. | Algorithm 2: |
| 7. | Algorithm 3: |
| 8. | Algorithm 4: |

## OUTPUT: TABSHEET 1 **(DO THIS FOR TWO tabsheets)**

| **Data for Output** | **Format (Type, size)** | **Output Component** |
| --- | --- | --- |
|  |  |  |
|  |  |  |

## OUTPUT: TABSHEET 2 **(DO THIS FOR TWO tabsheets)**

| **Data for Output** | **Format (Type, size)** | **Output Component** |
| --- | --- | --- |
|  |  |  |
|  |  |  |