**Skeleton Program**

You will be receiving a skeleton program to research over the holidays. You should use the following pages to make notes on the program. Identify what it does, how it works, any errors and what improvements you would make.

**Explain the system, its purpose, what it does, data input, data returned**

|  |
| --- |
| **The purpose of this system is to help Adidas sports system. It allows the user to input their name, add a run they did in metres and seconds, outputs its history and provides a 10km goal analysis. Data input: name, password, distance, speed. Data returned: 10km analysis, and returns the run history when asked** |

**Class Diagram**

|  |
| --- |
|  |

**Explain any inheritance**

|  |
| --- |
|  |
|  |
|  |

**Class**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |
| --- | --- |
| Identifier | What it does (inheritance, aggregation etc) |
| Run |  |

**Properties**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Role | Validation | Scope (G/L) | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Methods**

List the subroutines involved in the program, parameters, return type, type, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Type  (F/P) | Parameters | Return | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Class**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |
| --- | --- |
| Identifier | What it does (inheritance, aggregation etc) |
| TrackerSystem |  |

**Properties**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Role | Validation | Scope (G/L) | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Methods**

List the subroutines involved in the program, parameters, return type, type, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Type  (F/P) | Parameters | Return | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Class**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |
| --- | --- |
| Identifier | What it does (inheritance, aggregation etc) |
| RunTracker |  |

**Properties**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Role | Validation | Scope (G/L) | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Methods**

List the subroutines involved in the program, parameters, return type, type, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Type  (F/P) | Parameters | Return | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Class**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |
| --- | --- |
| Identifier | What it does (inheritance, aggregation etc) |
| Converter |  |

**Properties**

List the variables involved in the program, their role, any validation performed or required, scope, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Role | Validation | Scope (G/L) | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Methods**

List the subroutines involved in the program, parameters, return type, type, and what they do

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Type  (F/P) | Parameters | Return | What it does |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Errors**

|  |  |  |
| --- | --- | --- |
| **Where** | **Why** | **Solution** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Improvements**

|  |  |  |
| --- | --- | --- |
| **Where** | **Why** | **Solution** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |