**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**

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**Class Diagram**

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**Explain any inheritance**

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**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) |
| BingoGame |  |

**Properties**

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

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

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

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

**Properties**

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

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

**Properties**

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

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

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

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

**Properties**

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

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

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

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

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

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

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

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

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| **Where** | **Why** | **Solution** |
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**Improvements**

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