**ESOF427 – Software Design**

Week 04 – Start C# Game

x pts

SimpleShooter is a single player game written in C# in which the player controls a 2D “space ship” that shoots at incoming alien ships that are shooting at his ship. An alien ship will be destroyed if it receives alienShipMaxHits. The player’s ship will be destroyed if it receives playerShipMaxHits. Each run of SimpleShooter lasts gameTime minutes. If the player’s ship has not been destroyed in that time the player wins.

You will develop SimpleShooter in a sequence of iterations (It*N*). SimpleShooterIt1 starts by displaying

Clicking the Exit button immediately terminates SimpleShooterIt1. Clicking the Start button brings up the window:

This window appears for gameTime minutes and is them replaced by the window:

This window appears for 10 seconds before SimpleShooterIt1 closes.

Part x

* Create the Visual Studio C# solution/project SimpleShooterIt1LFM
* Your code should be in conformance with the MTM C# source file standard but for this simple problem you do not need REQUIREMENTS or any further function heading sections.
* Leave the solution/project folder in your Mbrs folder.

The rubric for this assignment is:

**Setup**

|  |  |  |
| --- | --- | --- |
|  | 0 1 2 3 4 | Xpts |
| * *Solution/project folder is not correct*
 |  |  |  |
| * *.*
 |  |  |  |

**Code:**

|  |  |  |
| --- | --- | --- |
| **File layout** | 0 1 2 3 4 | 5pt |
| * *No file header*
 | * *No method DESIGNs where appropriate*
 |  | **20** |
| * *File header is not correct*
 | * *Inadequate method REQUIREMENTS*
 |  |  |
| * *No section headings*
 | * *No method DESIGNs where appropriate*
 |  |  |
| * *Incorrect section headings*
 | * *Code does not have linking labels*
 |  |  |
| * *No method DESCRIPTIONs*
 | * *Linking labels are not correct*
 |  |  |
| * *Inadequate method DESCRIPTIONs*
 | * *Some lines break on hard copy*
 |  |  |
| **Variables/Objects** | 01 2 3 4 | 3pt |
| * *Not properly named*
 | * *Not properly suffixed*
 |  | **12** |
| **Indentation** | 0 1 2 3 4 | 3pt |
| * *Not too standard*
 | * *Some right braces are not labeled*
 |  | **12** |

**Compilation:**

|  |  |  |
| --- | --- | --- |
|  | 0 1 2 3 4 | 3pts |
| * *Errors*
 |  |  | **12** |

**Execution:**

|  |  |  |
| --- | --- | --- |
| **General** | 0 1 2 3 4 | 4pt |
| * *Start-up screen layout not correct*
 |  |  | **16** |
| * *Start-up screen functionality is not correct*
 |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Total** |  | **88** |