TAFE Invaders

Pre-Design Design Specification

Version 1.0

16/05/2020

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1.0 | Ben Royans | 28/05/2020 | Andrew Samway | 4/6/2020 | Initial Design Definition draft |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

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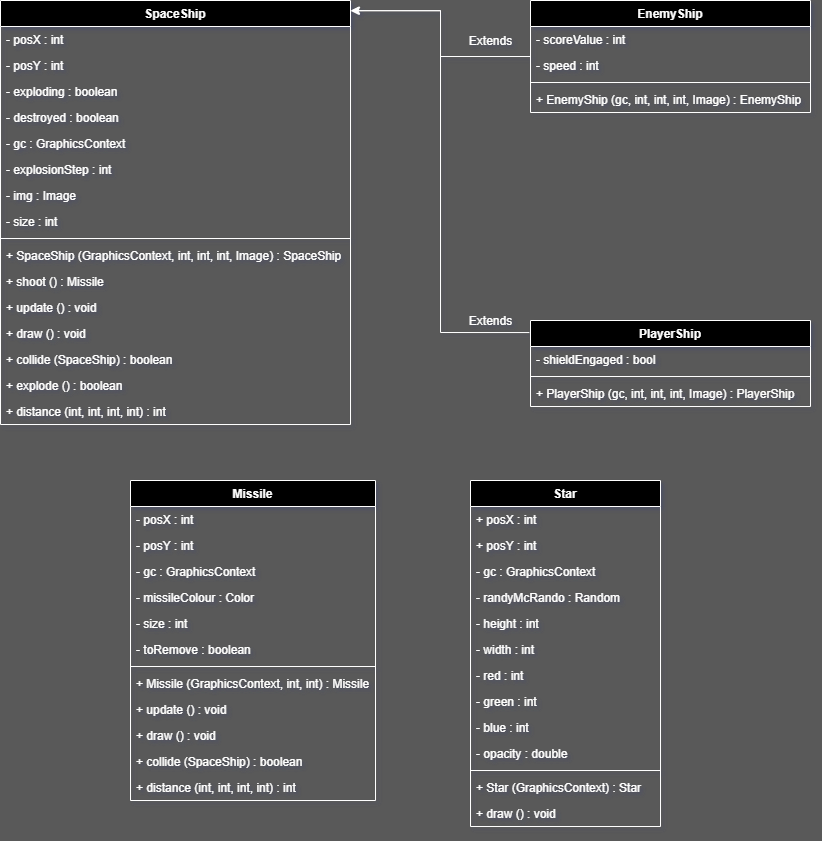
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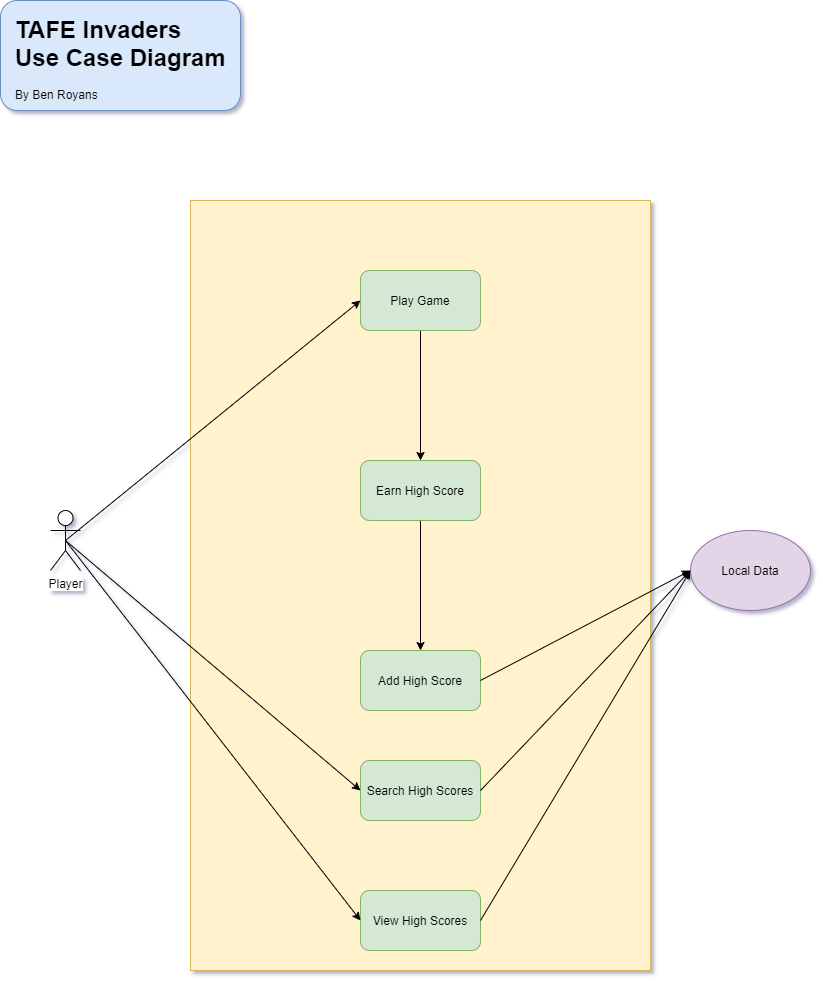
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# UML Diagrams

## Class Diagrams



## Use Case Diagram



# Test Table

Below is a sample test table which will be used for the testing of use cases.

## Test Data

Sample test data table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Functionality** | **Input** | **Expected Result** | **Pass / Fail** |
| 1 | High-scores | Enter a valid name | High-score is added to high-scores table. | PASS |
| 2 | High-scores | Enter a invalid name | Enter name dialog is re-shown to user. | PASS |
| 3 |  |  |  |  |

## Test Data Evidence

Sample test data evidence table:

|  |  |
| --- | --- |
| **#** | **Screenshot** |
| 1 |  |
| 2 |  |
| 3 |  |

## Unit Testing

### Method of Choice

Junit 5.4 will be used for unit testing this project as it is highly integrated with the IDE being used, IntelliJ IDEA.

### Sample Unit Test

Below is a sample unit test that tests the validity of the hashing function.

class HashTest {  
  
 @org.junit.jupiter.api.Test  
 void MD5() {  
 String testString = "This is a test string.";  
 String hashedString = Hash.*MD5*(testString);  
 assert (!testString.equals(hashedString));  
 }  
}

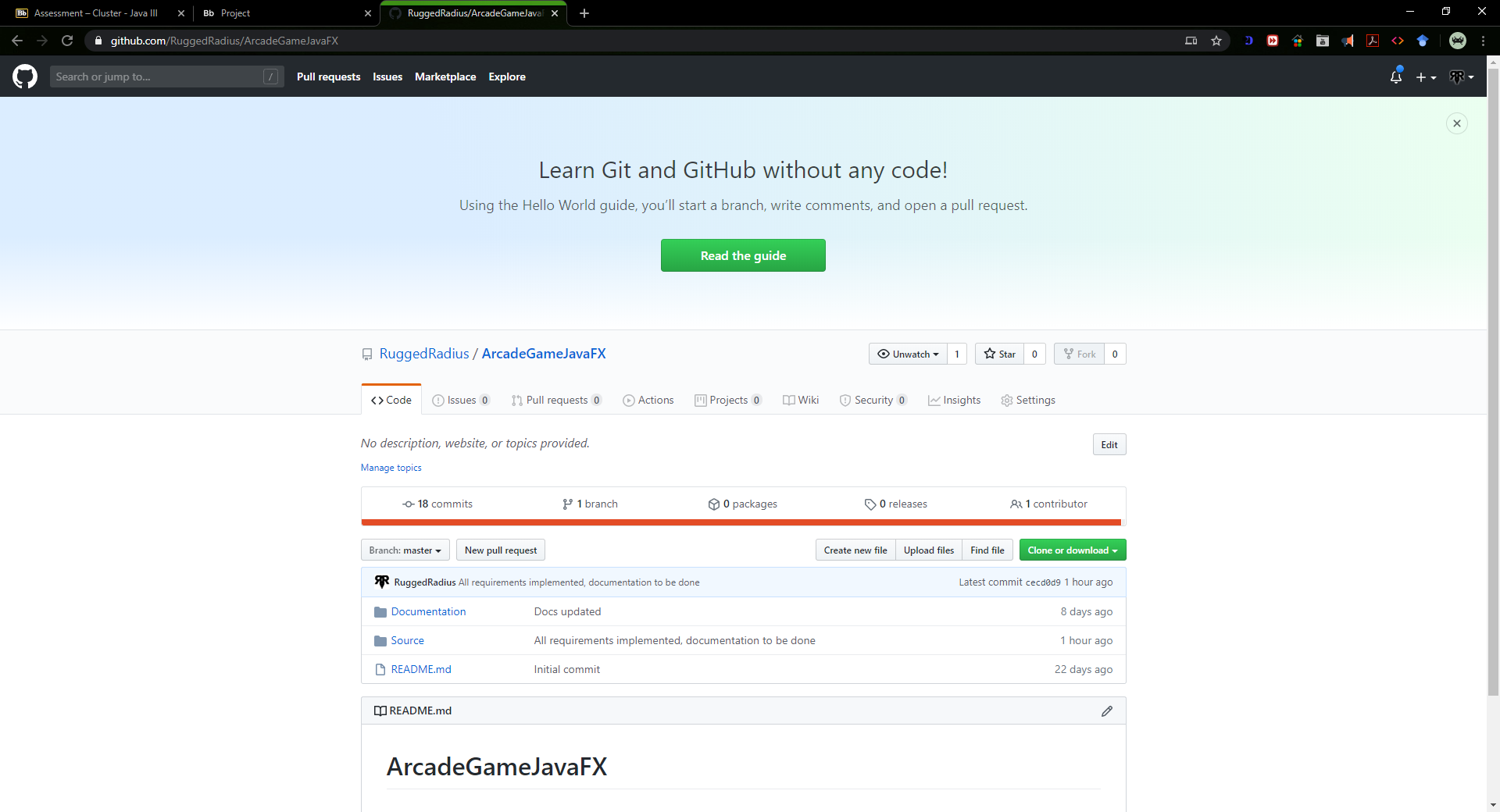
# Source Control

## Repository Link

The URL for the source control repository of this project is:

<https://github.com/RuggedRadius/ArcadeGameJavaFX>

## Repository Screenshot



## Source Control UI Screenshot

