*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #751 Print Metrics

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**Project:** VR-Gaming to Broad Participation in CS

**Product Owner(s)**: Francisco Ortega

**Mentor(s)**: Francisco Ortega

**Instructor**: Masoud Sadjadi

**User Story Name: Print Metrics**

* Description: As a developer, I want to export the metrics to both a JSON and text file, so that researchers can view the collected data and parse the data as needed.

Acceptance Criteria

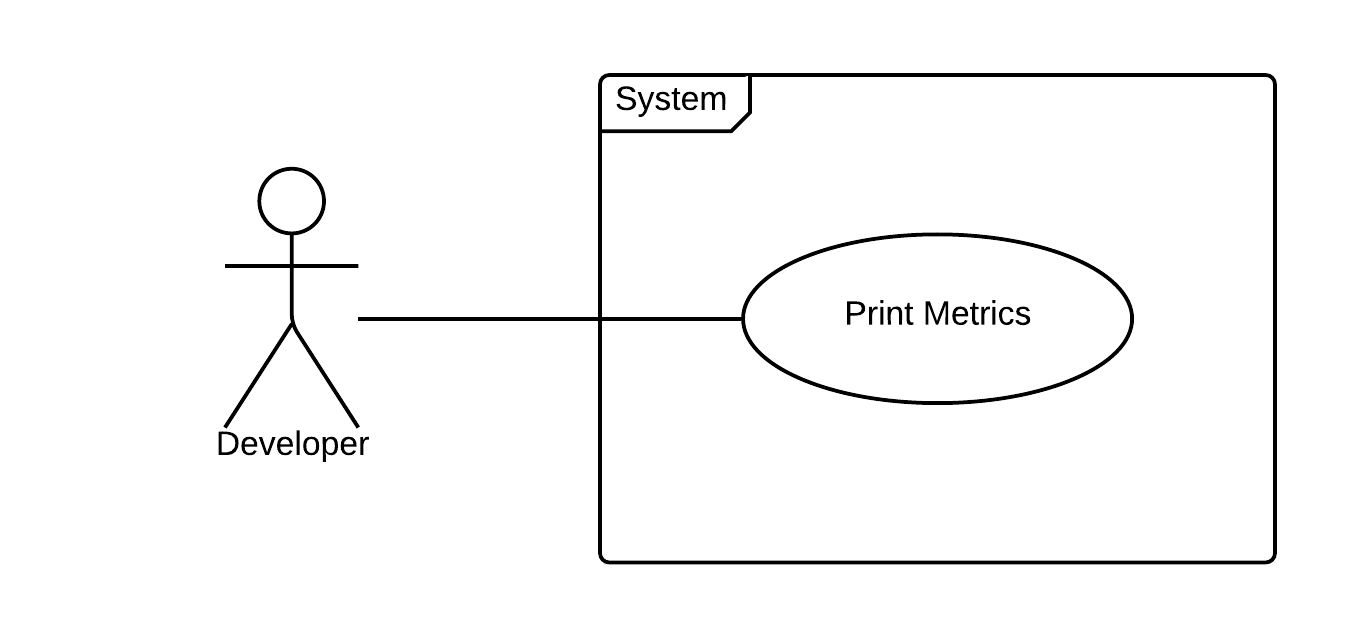
* Verify that all of the metrics except for the players path is appended to a text file, with commas separating the data and a new line separating each game.
* Verify that all of the metrics for each game is appended to a JSON file as an object.

**Use Case**

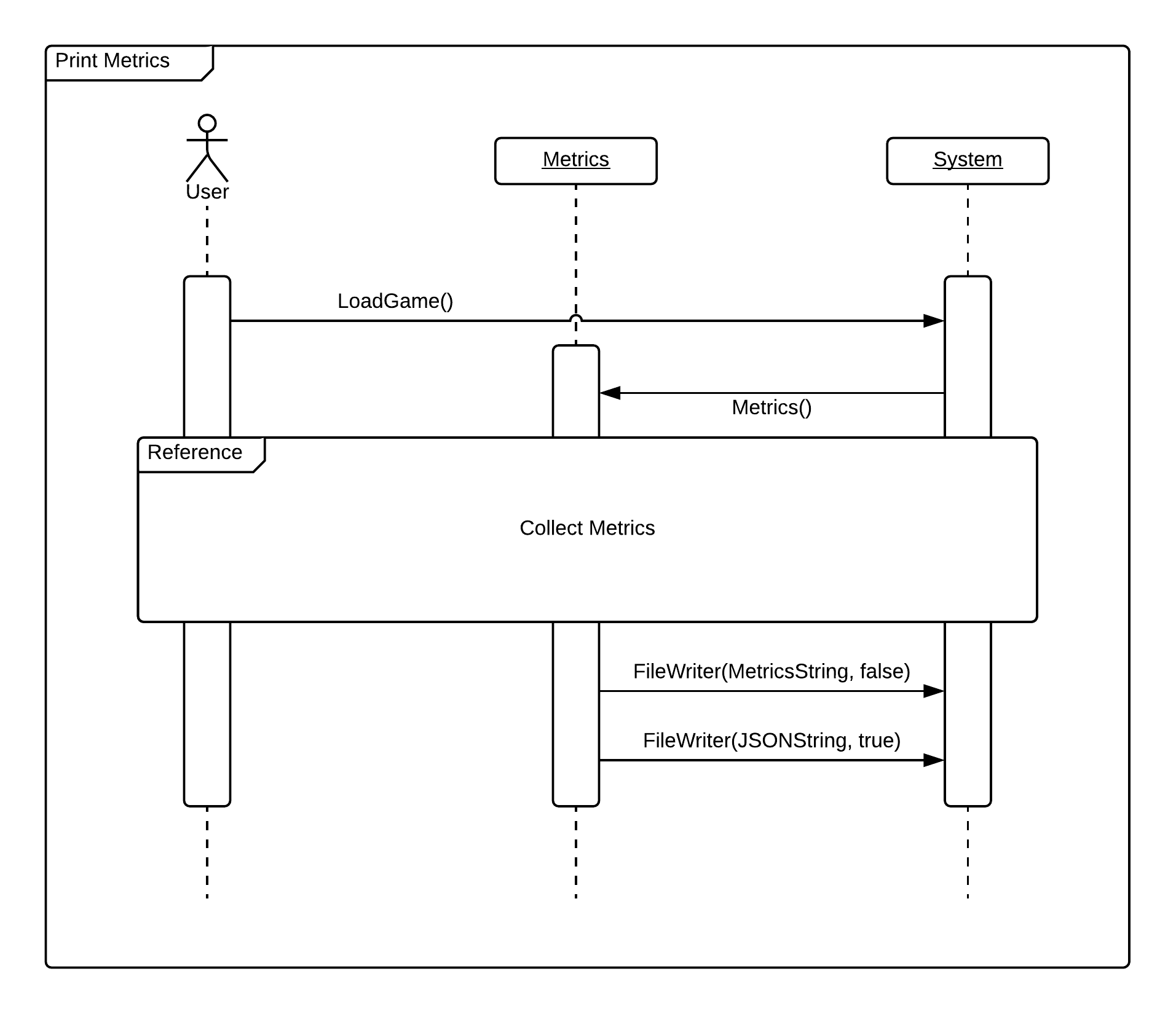
* Name: Print Metrics
* Actor: Developer
* Preconditions: The game is ended.
* Description <Flow of events>:

1. Metrics are printed to a text file.
2. Metrics are printed to a JSON file.

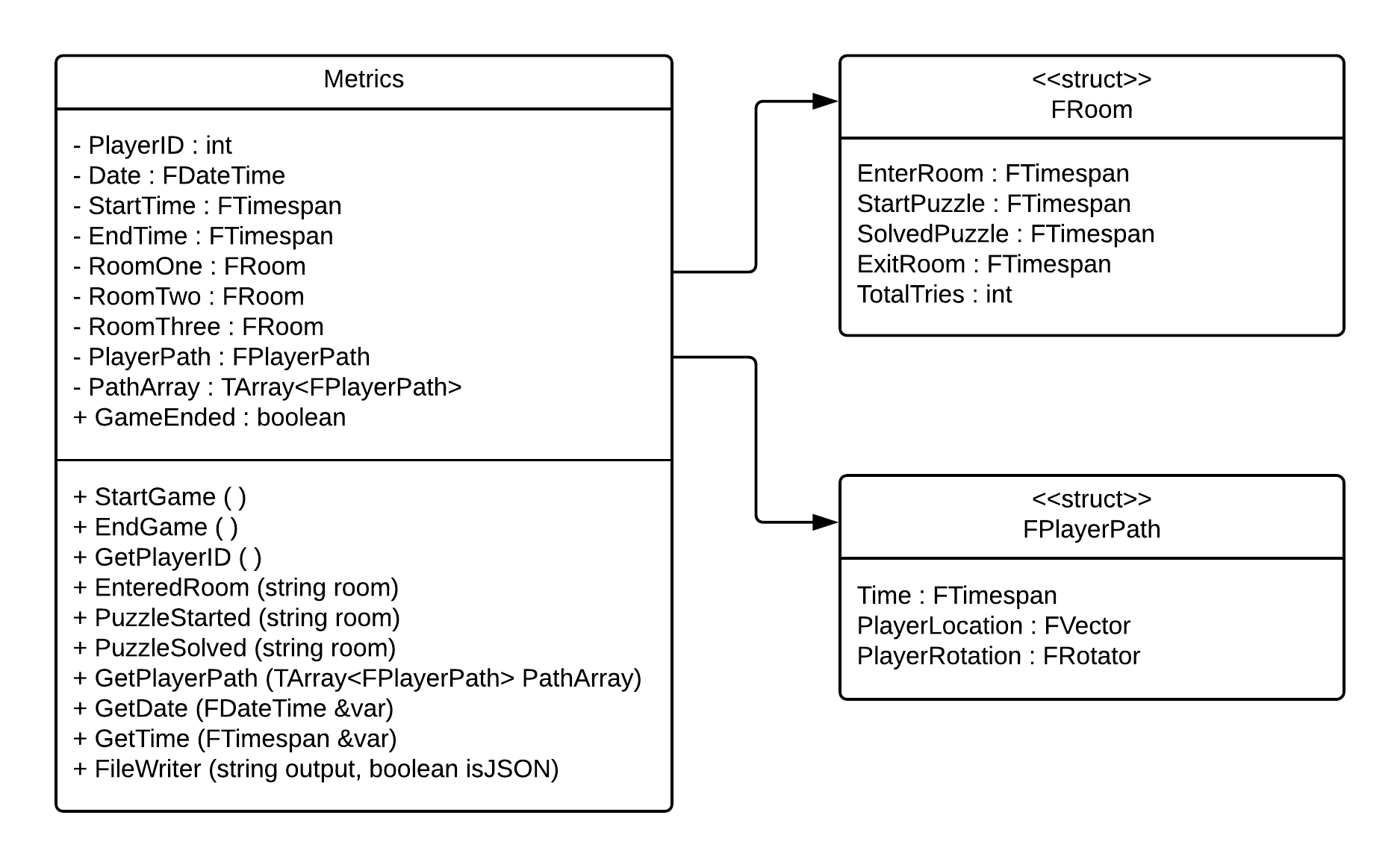
**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Unit Test**

* Test case ID: metrics\_to\_text\_file
* Description/Summary of Test: All of the metrics except for the players path are appended to a text file, with commas separating the data and a new line separating each game.
* Pre-condition: The game ends.
* Expected Results: All of the metrics except for the players path get appended to a text file, with commas separating the data and a new line separating each game.
* Actual Result: All of the metrics except for the players path are appended to a text file, with commas separating the data and a new line separating each game.
* Status (Fail/Pass): Pass
* Test case ID: metrics\_to\_json
* Description/Summary of Test: All of the metrics for each game are appended to a JSON file as an object.
* Pre-condition: The game ends.
* Expected Results: All of the metrics for each game will be appended to a JSON file as an object.
* Actual Result: All of the metrics for each game are appended to a JSON file as an object.
* Status (Fail/Pass): Pass

**Visual User Guide**

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