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| **Metrics for Magic**  **CSSE 376**  **Thomas Morris, David Savrda, Alexander White**  **5-1-2013** |

**Reliability**

* Card – Gets the correct data consistently that corresponds with the given card name
* Save – Can get the cards’ name into the file
* Load - Can get the cards’ name out of the file

**Validity**

* Card – The given card data has accurate information about the card requested
* File – The card name in file will return the correct and precise card name when requested.
* Deck – The deck has the right number and set of cards when requested.

**Product**

* Performance – When the parser is called, it should take a maximum of 5 seconds to search the XML file. Everything else should run under 1 second.
* Size – The UserInteraction class should be the largest class in the whole project with <500 LOC. Other classes should be >200 LOC average. The MTGDeckMain class should remain >40 LOC.

**Project**

* Software Developers – Thomas Morris, David Savrda, and Alexander White
* Customer – Sriram Mohan

**Additional Metric**

* Average Method Size - <15 LOC in Classes. <5 LOC in Test Classes.
* Average # of methods/Class - <8 in Classes. <5 in Test Classes.
* Average # of Instance Variables per Class - <7 in Classes. There shouldn’t be any in Test Classes.
* Number of Classes – 11
* Number of Messages Bundles – 3