

3.1.9.2. Sources News articles shall be retrieved from the following news sources:
IGN,GameSpot, Eurogamer, PCGamer

3.1.9.3. Information The following elements shall be scraped from each news article in the RSS feed:

1. Title of article
2. Snippet of article
3. Date of publication
4. Article URL
5. Images

3.1.9.5. Organization. News articles shall be organized by which game title they are referencing from the database.

3.1.9.6. Reference Game Search. Each scraped article shall be analyzed to determine which specific game it is referencing.

Test Category: Unit Test	Description: Test the functionality of the Webscraping service		
Test Case: 3.1	Case Name: Test Webscraper Service	Version: 1.1	Written By: Chris Dianta
Requirements Fulfilled: 3.1.9.2, 3.1.9.3, 3.1.9.5 ,3.1.9.6	Purpose: Verify that elements are being scraped from the RSS feeds and the articles are accurately referencing games.		

Setup Conditions:

- MongoDB is installed and populated with NewsWebsites and games
- ElasticSearch Autocompletion is completed
- *Games collection* is populated
- Open IntelliJ IDEA
- Open UniversalScraperTest.java
- Run UniversalScraperTest Tests
- Open ReferenceGameServiceTests.java
- Run ReferenceGameServiceTest Tests

Test Case Activity		Pass/Fail	Comments	Expected result
1	Validate Scrapers are functioning by calling Scrape function by passing name of news outlet.			No error message should be found or exception thrown.
2	Visually inspect that articles are scraped by looking at output console.			Elements of article will be displayed in JSON format containing: Title, snippet, date, and URL

3	Validate that games are being reference by using a scraped game article title.			An ID to the referenced game will be returned.
4	Validate returned ID references the correct Game.			The article should reference the correct game.

Test Case 3 Matrix

Requirement ID	Test Case ID			
	3.1.1	3.1.2	3.1.3	3.1.4
3.1.9.1				
3.1.9.2	✓			
3.1.9.3		✓		
3.1.9.4				
3.1.9.5			✓	
3.1.9.6				✓