**List of Requirements:**

**Searching Text Fields and Getting Meaningful Results:**

* User Story: Users should be able to search all text fields in the course data for a keyword, such as the description field and other relevant fields.
* The search should return meaningful results.

**Viewing Search Results:**

* Users should be able to see all relevant fields in the search results.
* Users should be able to see the Title in search results.
* Users should be able to see the Description in search results.
* Users should be able to see course instructor profiles in search results, even if they are not in the current database. Search external resources to show results about the instructors.
* Users should be able to see the URL in search results.
* Users should be able to see Reviews (only for internal courses) in search results.
* Users should be able to see the instructor (only for internal courses) in search results.

**Filtering and Faceting Search Results (Course Data):**

* Users should be able to filter results based on course ratings.
* Users should be able to filter results based on course duration.
* Users should be able to filter and facet on source.
* Users should be able to filter and facet on skills.
* Users should be able to filter and facet on role.
* Users should be able to filter and facet on Duration.
* Users should be able to filter and facet on Source (like MS, Udacity, Internal).
* Users should be able to filter and facet on Type (like Module, Nanodegree, Internal).
* Users should be able to filter and facet on Level.
* Users should be able to filter and facet on Technology.
* Users should be able to filter and facet on Popularity.
* Users should be able to filter and facet on Rating.
* Users should be able to filter and facet on Rating Count.

**Sorting Results:**

* Users should have the ability to sort search results by relevant fields within the Course Data.

**Searching Open Access Journal Articles:**

* Users should be able to search open access journal articles related to the company's big data work.
* Users should be able to search articles by keywords and phrases.
* Users should be able to search articles by authors.
* Users should be able to search articles by associated institutions.
* Users should be able to search using the publication name.
* Users should be able to search using the publisher of the article.
* Users should be able to search using the publication date.
* Users should be provided with the DOI URL as part of the search result.