*“The company wants users to be able to search Course Data by keywords and phrases from descriptions and other fields and return meaningful results.”*

**[REQ1] Users can search all text fields for key words and phrases.**

**[REQ2] Users can see all relevant fields in the search results.**

*“In addition, the company wants users to be able to filter results based on relevant criteria such as course ratings or duration.”*

**[REQ3] Users can filter and facet on course ratings.**

**[REQ4] Users can filter and facet on duration.**

*“The company has profiles for each of the course instructors for their own internal training and would like to have those returned in the search results even though they are not currently in the database.”*

**[REQ5] Users can see enriched data for course instructor profiles in the search results.**

*“The company would like users to be able to facet information based on relevant fields such as source, skills, or role.”*

**[REQ6] Users can facet on source.**

**[REQ7] Users can facet on skills.**

**[REQ8] Users can facet on role.**

*“Finally, the company wants users to be able to sort results by relevant fields.”*

**[REQ9] Users can sort results based on duration.**

**[REQ10] Users can sort results based on popularity.**

**[REQ11] Users can sort results based on rating.**

**[REQ12] Users can sort results based on rating count.**

*“In addition to the Course Data, the company wants to make available a curated set of open access journal articles in PDF form that are related to their big data work. These articles should be searchable by keywords and phrases, authors, and their associated institutions.”*

**[REQ13] Users can search PDF articles for keywords and phrases.**

**[REQ14] Users can search PDF articles for authors as inferred from an AI enrichment.**

**[REQ15] Users can search PDF articles for associated institutions as inferred from an AI enrichment.**

*“In addition, the company wants users to be able to search using publication name, publisher, and publication date.”*

**[REQ16] Users can search PDF articles for publication name as inferred from an AI enrichment.**

**[REQ17] Users can search PDF articles for publisher as inferred from an AI enrichment.**

**[REQ18] Users can search PDF articles for publication date as inferred from an AI enrichment.**

*“Users should be provided the DOI (Digital Object Identifier) URL for the file as part of the search result.”*

**[REQ19] Users can see the DOI URL in the search result, as inferred from an AI enrichment.**