**Project Requirements:**

This project sets forth clear requirements to meet the diverse needs of modern businesses and their staff, ensuring robust functionality and a smooth user experience. The following key requirements outline the vision for this innovative tool:

Search for Course Data:

* Filtering Options – Users should be able to filter results based on criteria as duration, rating, instructor, level, product, rating-average, rating-count, role, source and extracted keyphrases.
* Key phrase extraction – Users should be able to search Course Data by keywords and phrases from all text fields.
* Instructor profile Search – Users should be able to search course instructor’s profiles, even if they aren’t in the current database.
* Faceted information - Users should be able to facet information based on duration, rating, instructor, level, product, rating-average, role, source and extracted keyphrases.
* Sort Function – Users should be able to sort results by fields like duration, rating-average and rating-count.

Search for Curated Library Data:

* Filtering Options – Users should be able to filter results based on criteria as author, title, creation date, extracted people, organizations and extracted keyphrases.
* Key phrase extraction – Users should be able to search Library Data by keywords and phrases from all text fields.
* Faceted information - Users should be able to facet information based on creation date, author, extracted people, organizations and extracted keyphrases.
* Sort Function – Users should be able to sort results by fields like title and creation date.
* DOI URL Provision: Users should be provided the DOI (Digital Object Identifier) URL for the file as part of the search result.

Needed Skills:

* Search for Course Data:
  + Key phrase extraction
  + Custom entity lookup
* Search for Curated Library Data:
  + Key phrase extraction
  + Custom skill