**Check-point 1 – Essential Business Use Case**

**BUC Template**

**Business Event Name: Academic wants to initiate literature review**

**Business Use case Name: Article Search Process**

**Trigger: The user has keywords they would like to use for their research objective or question**

**Pre-Conditions:**

* **The academic identifies a broad research objective or question**
* **The academic has access to some online research database or library such as Google scholar**

**Interested Stakeholders: The Academic, and the Research Database/library(s) they choose**

**Active Stakeholders: The academic**

| **Normal Case Steps** | **Alternate Case Steps** | **Exception Case steps** |
| --- | --- | --- |
| 1. Enter in relevant keywords to the research objective | If the relevant keywords are too broad, revisit the objective |  |
| 1. Perform a search on Google scholar or another credible search engine | Limited results, going through another credible search engine |  |
| 1. Scan the results (look at look at the title and then the abstract to see if they are relevant) | Get a second opinion on what you find relevant | If no results are relevant, revisit the search bar |
| 1. Download the article from Google Scholar | Download article from Towson Library if not available through Google Scholar | Cite the article if not available through either |
| 1. Check to see if the 20 article quota is met | If the 20 article quota is too difficult to obtain, then revisit step 1 | If there are multiple attempts of revisiting step 1 then revisit the research objective |
| 1. Begin analyzation case | Use refined keywords to search for more articles until quota is met by going through steps 2-5 with new refined keywords |  |

**Outcome:**

Collection of 20 articles is ready for analyzation and literature review

**BUC Template**

**Business Event Name: Academic wants to perform article analysis**

**Business Use case Name: Article analysis Process**

**Trigger: Academic scanning through each article noting details of each**

**Pre-Conditions: The academic has gathered enough articles to begin a literature review.**

**Interested Stakeholders: The academic/researcher, research collaborators, academic community, end-users of research, project team members**

**Active Stakeholders: The academic/researcher, any research collaborators**

| **Normal Case Steps** | **Alternate Case Steps** | **Exception Case steps** |
| --- | --- | --- |
| 1. Decides to start literature review after collecting enough articles | Reassessing the gathered articles because they are deemed insufficient or irrelevant upon initial scanning | All articles are deemed irrelevant so article collecting must be re-done |
| 1. Organize spreadsheet and begin to extract relevant information from articles and also add comments | Collaborator input during analysis to help with data entry/filtering |  |
| 1. Filter out any irrelevant articles and ensure all needed information is captured |  |  |
| 1. Share the completed spreadsheet with the collaborators to initiate further discussions about the project | Partial sharing of what is documented during analysis before completing the whole analysis | Cannot share any analysis documentation with collaborators |

**Outcome:**

A generated spreadsheet of the 20 articles is made and sent to the academic’s research collaborator for the project.

**Did you use any LLM? If you did please provide the name and the**

**interaction transcript below:**

**Yes, we used ChatGPT. As part of our submission we will attach the transcript in a text file or PDF file in addition to this document.**