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| **User Stories** | | |
| **Cost (Days)** | **Priority** | **User Story** |
| 5 | H | 1. As a Librarian, I want a program that crawls in inputted news sites and stores their data and sources in a database, so that it can be used for further analysis. |
| 2 | H | 1. As a Library Programmer, I want the application to use open standards, so that it will be effortless to modify and understand by anyone. |
| 2 | M | 1. As a Library Programmer, I want the application to use Web ARChive (WARC) file format, so that it is compatible with my working environment. |
| 2 | H | 1. As a Librarian, I want the capability to halt the application at any time in safe way, so that I can stop the operation in time of emergency and still keep the data. |
| 1 | M | 1. As a Librarian, I want the capability to directly edit the input URLs, so that I can ensure the reliability and usability of researcher's input. |
| 3 | L | 1. As a Library Programmer, I want the capability to directly edit the configuration file for micro settings, so that I can control and optimize the output of the program. |
| 3 | H | 1. As a Library Programmer, I want the capability to retrieve particular stored data that gets executed through terminal and outputs in XML or JSON format, so that I can use the data for further analysis. |
| 2 | M | 1. As a Librarian, I want to be able to find out the date on which an article has been stored, so that I sort and analyse my data effectively. |
| 2 | M | 1. As a Librarian, I want to have full permission to modify the application, so that my workers and I can manage the application after production. |
| 3 | L | 1. As a Librarian, I want the capability to delete particular stored data that gets executed through terminal, so that irrelevant data can be manually removed with ease. |
| 2 | H | 1. As a Researcher, I want to login to with my user ID and password, so that I can access my personal stored content. |
| 1 | M | 1. As a Researcher, I want to be able to reset my password with security question, so that I can set new password if I forget the old one. |
| 2 | H | 1. As a Researcher, I want to define a list of global English-language news sources to monitor, so that I can set the scope of my research. |
| 1 | H | 1. As a Researcher, I want to modify the list of sources that are monitored, so that I can adjust my research scope as needed. |
| 3 | M | 1. As a Researcher, I want to be able to view statistics of the collected data, so that I can analyse and make conclusions in my research. |
| 2 | H | 1. As a Researcher, I want to have a search feature, so that I could find my information more efficiently. |
| 2 | M | 1. As a Researcher, I want to have a sorting feature, so that I could get my information faster and organized. |
| 3 | M | 1. As a Researcher, I want to be able to view the collected data in interactive visualizations, so that I am more efficient in my analysis and presentation of the data. |
| 2 | M | 1. As a Graduate Student, I want to switch visualizations so that I can analyse data in different aspects. |
| 2 | L | 1. As a Graduate Student, I want to help button, so that they non technological-savvy can ask for help easily. |