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LAB	1:	
	\overline{A}	* Implement the links linked list
	\equiv	* Initialize Document from file path
	\checkmark	* Implement the documents linked list and load all documents from the dataset
	\checkmark	* Print the documents to the CLI and allow the user to select and view one by index
	<u>~</u>	* Format your code with clang-format: "make f"
		*** Write at least 1 unit test for the document parsing functionality
		*** Write at least 3 unit tests for the documents linked list
		*** Write at least 3 unit tests for the links linked list
	\checkmark	*** Fix any memory leaks detected by Valgrind: "make v"
LAB	2:	
	\checkmark	* Implement the query linked list
	\checkmark	* Initialize Query from string
	\checkmark	* Linear search through the documents and print the results to CLI
	\checkmark	** Show the last 3 queries using a queue
	\checkmark	** Allow excluding keywords
		*** Write at least 3 unit tests for the query linked list
		*** Write at least 1 unit test for the linear search functionality
		**** Allow adding or conditions to the search query
	\checkmark	*** Fix any memory leaks detected by Valgrind: "make v"
LAB	3:	
	\checkmark	* Implement a hashmap
	<u>~</u>	* Add all (word, documentids) to the reverse index hashmap
	\checkmark	* Use the reverse-index to efficiently search through the documents
	\checkmark	** Normalize words in the parser (uppercase, punctuation, etc.)
	\checkmark	*** Write at least 3 unit tests for the hashmap
	\checkmark	*** Write at least 1 unit test for the search functionality using hashmap
	\checkmark	*** Fix any memory leaks detected by Valgrind: "make v"
		**** Suggest and implement one improvement to lower the search runtime complexity
		*** Allow serializing/deserializing the reverse index from/to a file
		**** Implement short and full barrels (match keywords in the title first)
		**** Show document snippets of the text surrounding the matched word

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LAB 4:

\checkmark	* Implement a directed document graph
\checkmark	* Get indegree of a document in the graph and print it as the relevance score
\checkmark	** Sort search results according to the relevance score (choose an adequate algorithm)
	*** Write at least 1 unit test for the graph
	*** Fix any memory leaks detected by Valgrind: "make v"
	**** Implement the page rank algorithm for computing the relevance score
	*** Precalculate and cache relevance scores
	*** Serialize/deserialize cache relevance scores from/to a file

ÚS DE LA IA:

En aquest treball hem fet servir la IA per complementar la nostra feina i assegurar que el projecte avançava de manera clara i ben estructurada. Ens ha ajudat en diversos aspectes:

- Primer de tot, ens ha servit per aclarir quins passos havíem de seguir, distingint les parts que ja teníem fetes i les que faltaven. Això ens ha ajudat a tenir un ordre de feina més lògic.
- També ens ha permès desglossar millor els requisits i entendre exactament què calia fer amb funcions com el càlcul de la rellevància amb l'indegree o la ordenació dels documents.
- A més, ens ha donat exemples i explicacions que ens han servit de guia per implementar aquestes funcions bàsiques i integrar-les al projecte.
- Igualment, ens ha ajudat a resoldre conflictes a l'hora de compilar ja que el procés era una mica diferent al que havíem utilitzat fins a dia d'avui.
- Finalment, la IA ens ha resultat molt útil per corregir errors que teníem al codi, ja que ens ha indicat possibles problemes o maneres de millorar la implementació i assegurar-nos que funcionés correctament.