**PageInfo**  
Description: Contains information about each page.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| PageID | Integer | Unique key ID for pages |
| PageTitle | String | Title of the page |
| URL | String | URL of the page |
| LastModificationDate | String | Date of the last modification |
| SizeofPage | Integer | Size of the page (in bytes) |

Data:

|  |  |
| --- | --- |
| 1 | COMP4321 Project Website|[www.testing.net](http://www.testing.net)|11/03/2024|48 bytes |

**PageChildMapping**  
Description: Maps child links to their respective parent pages.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| PageID | Integer | ID of the parent page |
| ChildID | Integer | ID for Links to child pages (if any) |

Data:

|  |  |
| --- | --- |
| 1 | 2, 3, 4 |

**InvertedBodyWord**  
Description: Stores inverted index for words found in the body of pages.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| BodyWordID | Integer | Unique identifier for body words |
| PageID | Integer | ID of the page containing the word |
| Frequency | Integer | Frequency of the word in the body |
| TFIDF | Float | TF-IDF value of the word |

Data:

|  |  |
| --- | --- |
| 1 | 1|5|2.1; 2|4|1.8 |

**BodyWordMapping**  
Description: Maps body words to the pages they appear in.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| PageID | Integer | ID of the page |
| BodyWordID | Integer | ID of the body word |

Data:

|  |  |
| --- | --- |
| 1 | 1, 3, 6 |

**BodyKeyWordMapping**  
Description: Maps body word IDs to their respective words.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| BodyWordID | Integer | ID of the body word |
| BodyWord | String | Body word |

Data:

|  |  |
| --- | --- |
| 1 | Apple |

**InvertedTitleWord**  
Description: Stores inverted index for words found in the title of pages.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| TitleWordID | Integer | Unique identifier for title words |
| PageID | Integer | ID of the page containing the word |
| Frequency | Integer | Frequency of the word in the title |
| TFIDF | Float | TF-IDF value of the word |

Data:

|  |  |
| --- | --- |
| 3 | 1|5|2.1; 2|4|1.8 |

**TitleWordMapping**  
Description: Maps title words to the pages they appear in.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| PageID | Integer | ID of the page |
| TitleWordID | Integer | ID of the title word |

Data:

|  |  |
| --- | --- |
| 1 | 1, 3, 6 |

**TitleKeyWordMapping**  
Description: Maps title word IDs to their respective words.

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| TitleWordID | Integer | ID of the title word |
| Word | String | Title word |

Data:

|  |  |
| --- | --- |
| 1 | Computer |