

NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY

School of Information Communications and Engineering Technologies

Bachelor of Applied Information Systems Technology

BAI3270

Capstone Assignment

Create a PeopleSoft Project:

NAIT###\_BOOKS

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The purpose of this assignment is to create a working project (all fields, records, and pages etc.) that maintains details of books purchased. The necessary information to be captured:

1. Authors
2. Publishers
3. Genres
4. Books

You are to follow the standards introduced and used throughout the PeopleSoft portion of the course.

**Records and Fields**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Record** | **Fields** | **Other Information** | | | |
| NAIT###\_AUTHORS | Author ID | Key | Search Key | List Item |  |
|  | Author First Name |  |  |  |  |
|  | Author Last Name |  |  | List Item | Alternate Search Key |
|  | Author’s Middle Initial |  |  |  |  |
|  |  |  |  |  |  |
| NAIT###\_PUBLISH | Publisher ID | Key | Search Key | List Item |  |
|  | Publisher Name |  |  | List Item | Alternate Search Key |
|  | City |  |  |  |  |
|  | Country |  |  |  |  |
|  |  |  |  |  |  |
| NAIT###\_BOOK | Book ID | Key | Search Key | List Item |  |
|  | Book Title |  |  | List Item | Alternate Search Key |
|  | Genre |  |  | List Item | Translate Table |
|  | Author ID |  |  | List Item |  |
|  | Publisher ID |  |  |  |  |
|  | Publish Date |  |  |  |  |
|  |  |  |  |  |  |
| NAIT###\_BOOK\_PU | Book ID | Key | Search Key | List Item |  |
|  | Purchase Date | Key | Search Key | List Item |  |
|  | Purchase Price |  |  | List Item |  |

**Pages and Fields**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pages** | **Fields** | **Comments** | **Req’d** |
| NAIT###\_AUTHORS | Author ID |  | **Y** |
|  | Author First Name | Contained in a frame | **Y** |
|  | Author Last Name | Contained in a frame | **Y** |
|  | Author’s Middle Initial | Contained in a frame |  |
|  |  |  |  |
| NAIT###\_PUBLISH | Publisher ID |  | **Y** |
|  | Publisher Name | Contained in a frame | **Y** |
|  | City | Contained in a frame | **Y** |
|  | Country | Contained a frame; view used 1 | **Y** |
|  |  |  |  |
| NAIT###\_BOOK | Book ID |  | **Y** |
|  | Book Title | Contained in a frame | **Y** |
|  | Publisher ID | Contained in a frame | **Y** |
|  | Publish Date | Contained in a frame | **Y** |
|  | Author ID | Contained in a frame | **Y** |
|  | Genre | Group Box with radio buttons - use translate values | **Y** |
|  |  |  |  |
| NAIT###\_BOOK\_PU | Book ID | Contained in a frame | **Y** |
|  | Purchase Date | Contained in a frame | **Y** |
|  | Purchase Price | Contained in a frame | **Y** |
|  |  |  |  |

**1** View name: NAIT###\_BOOK\_VW

**Translate Values for Genre**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Value** | **Effective Date** | **Long Name** | **Short Name** |
| AD | 01/01/1901 | Adventure | Advent |
| FY | 01/01/1901 | Fantasy | Fan |
| RM | 01/01/1901 | Romance | Rom |
| SF | 01/01/1901 | Science Fiction | Sci-fi |
| SP | 01/01/1901 | Spiritual | Spirit |
| MY | 01/01/1901 | Mystery | Myst |
| HY | 01/01/1901 | History | Hist |
| WB | 01/01/1901 | Well-Being | Well |

**Data to Be Entered**

1. Five publishers
2. Five Authors
3. Ten books
4. Seven book purchases
5. Use prompts tables for the Author ID and Publisher ID in the NAIT###\_BOOK page
6. Use prompts tables for the Book ID in the NAIT###\_BOOK\_PU page
7. All records and pages are in the same project (NAIT###\_BOOKS) and each page needs to have its own component (so it is visible in PeopleSoft).

**Fields and Related Attributes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Type** | **Field Length** | **Label ID** | **Long Name** | **Short Name** | **Format Type** | **Integer Positions** | **Decimal Positions** |
| 1 \_AUT\_MIDINT | Character | 2 | AUTHOR\_MIDINT | Author’s Middle Initial | Middle Initial | Uppercase | N/A | N/A |
| 1 \_AUTH\_FNAME | Character | 15 | AUTHOR\_FNAME | Author’s  First Name | First Name | Mixedcase | N/A | N/A |
| 1 \_AUTHOR\_ID | Character | 5 | AUTHOR\_ID | Author ID | Author ID | Uppercase | N/A | N/A |
| 1 \_AUTH\_LNAME | Character | 12 | AUTHOR\_LNAME | Author’s Last Name | Last Name | Mixedcase | N/A | N/A |
| 1 \_BOOK\_ID | Character | 7 | BOOK\_ID | Book ID | Book ID | Uppercase | N/A | N/A |
| 1 \_BOOK\_TITLE | Character | 30 | BOOK\_TITLE | Book Title | Title | Mixedcase | N/A | N/A |
| 1  \_GENRE 2 | Character | 2 | GENRE | Genre ID | Genre | Uppercase | N/A | N/A |
| 1 \_PUB\_CITY | Character | 15 | PUB\_CITY | City | City | Mixedcase | N/A | N/A |
| 1 \_PUB\_CNTRY 3 | Character | 20 | PUB\_COUNTRY | Country | Country | Mixedcase | N/A | N/A |
| 1 \_PUB\_ID | Character | 5 | PUB\_ID | Publisher ID | Publisher ID | Uppercase | N/A | N/A |
| 1 \_PUB\_NAME | Character | 20 | PUB\_NAME | Publisher Name | Publisher Name | Mixedcase | N/A | N/A |
| 1 \_PUR\_PRICE | Number | N/A | PURCHASE\_PRICE | Purchase Price | Price | N/A | 3 | 2 |

\* This field is already in the library so accept the defaults values and settings.

1 Field names, except for DATE, are to be preceded by NAIT###. For example, NAIT###\_AUT\_MIDINT

2 See “Translate Values for Genre ID” .

3 The countries available to be added should be restricted to: Canada, United States, and Great Britain