

METADATA CONCERNING ATTRIBUTES

Attribute Name	Alias	Description	Data Type	Length	Decimal Places
Book_Author_FName	None	The author's first name	VARCHAR	20	NA
Book_Author_LName	None	The author's last name	VARCHAR	20	NA
Book_Author_MName	None	The author's middle name	VARCHAR	20	NA
Book_Claimed_Date	None	The date when an unsold book is claimed by the student as a seller	TIMESTAMP	NA	NA
Book_Distr_CheckID	None	The unique identifier for the check to be handed to a distributor	VARCHAR	15	NA
Book_Distr_Date	None	The date when an unsold and unclaimed book is sold to a distributor	TIMESTAMP	NA	NA
Book_Distr_Price	None	The price at which an unsold and unclaimed book is sold to a distributor	Numeric	6	2
Book_Edition	None	The edition of the book	VARCHAR	10	NA
Book_ISBN	None	The unique identifier for a book listed for a course in a department	VARCHAR	15	NA
Book_Sold_CheckID	None	The unique identifier for the check to be handed to the student as a seller	VARCHAR	15	NA
Book_Sold_Date	None	The date when a book is sold by the student as a seller	TIMESTAMP	NA	NA
Book_Sold_Price	None	The price at which the book is sold to the student as a seller	Numeric	6	2
Book_Title	None	The title /name of the book	VARCHAR	30	NA
Buyer_ID	None	The unique identifier for the student as a buyer	INT	10	NA
Course_Begin_Date	None	The date when the course begins	Date	NA	NA
Course_End_Date	None	The date when the course ends	Date	NA	NA
Course_ID	None	The unique identifier of the course which lists the book	VARCHAR	15	NA
Course_Name	None	The name of the course	VARCHAR	20	NA
Dept_Code	None	The unique identifier of the department where the specific course is taught	VARCHAR	15	NA
Dept_Name	None	The name of the department in the university	VARCHAR	30	NA
Distr_City	None	The city in which the distributor's office is	VARCHAR	20	NA
Distr_ID	None	The unique identifier for the distributor who buys an unsold and unclaimed book	INT	10	NA
Distr_Name	None	The distributor's name	VARCHAR	30	NA
Distr_PhoneNo	None	The distributor's phone number	VARCHAR	15	NA
Distr_State	None	The state in which the distributor's office is	CHAR	2	NA
Distr_Street	None	The street where the distributor's office is	VARCHAR	30	NA
Distr_Zip	None	The zipcode where the distributor's office is	VARCHAR	9	NA

Inv_Date_Submitted	None	The date on which the book was submitted in the inventory	TIMESTAMP	NA	NA
Inv_ID	None	The unique identifier of a specific copy of the book in the inventory	INT	10	NA
Inv_Stack_Location	None	The stack location where a particular book is stored in the inventory	VARCHAR	15	NA
Inv_Type	None	The information to determine whether the book is sold, claimed or sold to distributor	VARCHAR	10	NA
Prof_Email	None	The professor's email address	VARCHAR	25	NA
Prof_FName	None	The professor's first name	VARCHAR	20	NA
Prof_ID	None	The unique identifier for a professor	INT	10	NA
Prof_LName	None	The professor's first name	VARCHAR	20	NA
Prof_MName	None	The professor's middle name	VARCHAR	20	NA
Prof_PhoneNo	None	The professor's contact number	VARCHAR	15	NA
Seller_ID	None	The unique identifier for the student as a seller	INT	10	NA
Stu_City	None	The city where the student lives	VARCHAR	20	NA
Stu_Email	None	The student's email id	VARCHAR	20	NA
Stu_FName	None	The student's first name	VARCHAR	20	NA
Stu_ID	None	The unique identifier for a student	INT	10	NA
Stu_IsBuyer	None	Is the student a buyer of the book(s) in BPUB inventory?	Boolean	NA	NA
Stu_IsSeller	None	Is the student a seller of the book(s) in BPUB inventory?	Boolean	NA	NA
Stu_Lname	None	The student's last name	VARCHAR	20	NA
Stu_MName	None	The student's middle name	VARCHAR	20	NA
Stu_PhoneNo	None	The student's phone number	VARCHAR	20	NA
Stu_State	None	The state where the student lives	CHAR	2	NA
Stu_Street	None	The street where the student lives	VARCHAR	30	NA
Stu_Zip	None	The zip code where the student lives	VARCHAR	9	NA

METADATA CONCERNING TABLES

Table Name	Description	Attributes
BOOK	Book details listed for some course in some department of the university	=Book_ISBN
		+Book_Title
		+Book_Edition
		+Course_ID
BOOK_AUTHOR	Someone who writes books for a course in a department in the university	=Book_ISBN
		=Book_Author_FName
		=Book_Author_MName
		=Book_Author_LName
BOOK_CLAIMED	A collection of the unsold books claimed by the students at BPUB	=Inv_ID
		+Book_Claimed_Date
		+Seller_ID
BOOK_DISTRIBUTED	A collection of the books sold to the distributors at BPUB	=Inv_ID
		+Book_Distr_Date
		+Book_Distr_Price
		+Book_Distr_CheckID
		+Distr_ID
BOOK_INVENTORY	A collection of the valid books brought by students at BPUB	=Inv_ID
		+Inv_Date_Submitted
		+Seller_ID
		+Book_ISBN
		+Inv_Stack_Location
		+Inv_Type
BOOK_SOLD	A collection of the books sold to the students as buyers at BPUB	=Inv_ID
		+Book_Sold_Date
		+Book_Sold_CheckID
		+Book_Sold_Price
		+Buyer_ID
		+Seller_ID
BUYER	A student who buys books from BPUB	=Buyer_ID

COURSE	Something offered within various departments in the university	=Course_ID
		+Course_Name
		+Course_Begin_Date
		+Course_End_Date
		+Prof_ID
		+Dept_Code
DEPARTMENT	Something in the university concerning specific study field	=Dept_ID
		+Dept_Name
DISTRIBUTOR	Someone who buys unclaimed and unsold books from BPUB	=Distr_ID
		+Distr_Name
		+Distr_Street
		+Distr_City
		+Distr_State
		+Distr_Zip
		+Distr_PhoneNo
PROFESSOR	Someone who teaches a course in a department at the university	=Prof_ID
		+Prof_FName
		Prof_MName
		+Prof_LName
		+Prof_Email
		+Prof_PhoneNo
SELLER	A student who sells books to BPUB	=Seller_ID
STUDENT	Someone who buys books from or/and sells books to BPUB	=Stu_ID
		+Stu_FName
		Stu_MName
		+Stu_Lname
		+Stu_PhoneNo
		+Stu_Email
		+Stu_Street
		+Stu_City
		+Stu_State
		+Stu_Zip
		+Stu_IsBuyer
		+Stu_IsSeller