VIDYA Book Bank
Data Dictionary

DATA ELEMENT NAME:	srNo
ALIASES:	None
DESCRIPTION:	PRIMARY KEY , srNo stands for Serial number of book and each book have unique srNo.
FORMAT:	Integer(9),Auto generated
DATA FLOWS:	User,Status,BookCheckoutReturn,Search&Browse
REPORTS:	Reservation List, Book Checkout List,SearchList

DATA ELEMENT NAME:	bookName
ALIASES:	none
DESCRIPTION:	Describes the name of the book
FORMAT:	(Alphanumeric)VARCHAR,20 CHARACTERS
DATA FLOWS:	Status,BookCheckoutReturn,Search&Browse
REPORTS:	Reservation List, Book Checkout List,SearchList

DATA ELEMENT NAME:	bookCover
ALIASES:	none
DESCRIPTION:	It defines the front page of the Book
FORMAT:	Image(BLOB)
DATA FLOWS:	Search&Browse
REPORTS:	BOOK DESCRIPTION

DATA ELEMENT NAME:	donerName
ALIASES:	none
DESCRIPTION:	It defines the name of Doner of the Book
FORMAT	Varchar,20 characters
DATA FLOWS	Search&Browse,Book description
REPORTS:	BOOK DESCRIPTION

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Data Dictionary

DATA ELEMENT NAME:	category
ALIASES:	genere
DESCRIPTION:	category=genere+standard+language+subject,it helps in filtering books
FORMAT	Varchar ,15 characters
DATA FLOWS	Search&Browse
REPORTS:	Search list

DATA ELEMENT NAME:	standard
ALIASES:	none
DESCRIPTION:	It defines the class of students for whom book is published
FORMAT	String(char),15 characters
DATA FLOWS	Search&Browse,bookDescription
REPORTS:	Book class list

DATA ELEMENT NAME:	subject
ALIASES:	none
DESCRIPTION:	It defines the subject name of the book
FORMAT	String(char),10 characters
DATA FLOWS	Search&Browse,bookDescription
REPORTS:	Book subject list

DATA ELEMENT NAME:	language
ALIASES:	none
DESCRIPTION:	It defines book written in which language
FORMAT	String(char),10characters
DATA FLOWS	Search&Browse,bookDescription
REPORTS:	Book language list

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Data Dictionary

DATA ELEMENT NAME:	adminKey
ALIASES:	none
DESCRIPTION:	Every admin have a unique admin key ,only an admin can generate adminKey for another admin
FORMAT	Alphanumeric(char),5 characters
DATA FLOWS	AdminCorner
REPORTS:	Admin list

DATA ELEMENT NAME:	userId
ALIASES:	none
DESCRIPTION:	Auto generated and unique.Every user have unique userId
FORMAT	Integer,size:20
DATA FLOWS	AdminCorner, SystemStatus,BookCheckoutReturn
REPORTS:	Checkout List,active List,totalUser List,admin list,transaction list,reservation list

DATA ELEMENT NAME:	Password
ALIASES:	none
DESCRIPTION:	Encrypted,it must have lower case,uppercase,number and special symbol Not contain space inbetween.
FORMAT	AlphaNumeric(varchar),15 characters
DATA FLOWS	userLogin
REPORTS:	Forgot password

DATA ELEMENT NAME:	dateOfReservation
ALIASES:	
DESCRIPTION:	It records the date in which reservation is done and reservation follow first come first serve rule.
FORMAT	DD/MM/YYYY
DATA FLOWS	Checkout ,reservation ,
REPORTS:	Reservation list

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Data Dictionary

DATA ELEMENT NAME:	comment
ALIASES:	none
DESCRIPTION:	Student can comment regarding need and importance of book or and other query
FORMAT	Text(varchar),20Characters
DATA FLOWS	Admin corner,reservation,
REPORTS:	Query list

DATA ELEMENT NAME:	activeUsers
ALIASES:	None
DESCRIPTION:	It defines no of active users in current time
FORMAT	Integer,size:5
DATA FLOWS	Admin corner
REPORTS:	Active user list

DATA ELEMENT NAME:	totalUsers
ALIASES:	none
DESCRIPTION:	It stores the total numbers of users registered
FORMAT	BigInteger ,size:10
DATA FLOWS	Admin corner
REPORTS:	Status report,registration report

DATA ELEMENT NAME:	bookIssued
ALIASES:	none
DESCRIPTION:	It represents the number of book issued on that time
FORMAT	Integer ,8
DATA FLOWS	Admin corner,checkout,status
REPORTS:	Status report,checkout report

VIDYA Book Bank
Data Dictionary

DATA ELEMENT NAME:	bookAvailable
ALIASES:	None
DESCRIPTION:	It represents the no of book available in the book bank
FORMAT	Integer,8
DATA FLOWS	Status,checkout
REPORTS:	Status report,checkout list

DATA ELEMENT NAME:	totalBooks
ALIASES:	none
DESCRIPTION:	totalBooks=bookAvailable
FORMAT	bigInteger,10
DATA FLOWS	Admin corner
REPORTS:	Status report

DATA ELEMENT NAME:	tId
ALIASES:	none
DESCRIPTION:	tId stands for transaction Id .PRIMARY KEY.it uniquely defines each transaction of book in the book bank
FORMAT	BigInteger,20 Characters
DATA FLOWS	BookIssue,BookDonate,BookReturn
REPORTS:	Issue List,Donate List,Book Return List

DATA ELEMENT NAME:	tType
ALIASES:	none
DESCRIPTION:	It defines the Transaction type i.e issue,donate,return
FORMAT	String,10 Characters
DATA FLOWS	Transaction,Status
REPORTS:	Transaction list

VIDYA Book Bank
Data Dictionary

DATA ELEMENT NAME:	name
ALIASES:	
DESCRIPTION:	name=firstName+lastName,It define name of the user
FORMAT	String
DATA FLOWS	Issue ,Return,Reservation and Donation
REPORTS:	Issue Detail,Return Detail and Donate detail

DATA ELEMENT NAME:	profilePic
ALIASES:	none
DESCRIPTION:	Represents the Profile Picture of user
FORMAT	IMAGE(BLOB),Size:1MB
DATA FLOWS	viewProfile,adminCorner
REPORTS:	Profile detail

DATA ELEMENT NAME:	contactNo
ALIASES:	None
DESCRIPTION:	It represents the Contact Number for Communication
FORMAT	NUMBER(BigInteger),10 Characters
DATA FLOWS	viewProfile,adminCorner
REPORTS:	Profile detail,contactList

DATA ELEMENT NAME:	joinDate
ALIASES:	None
DESCRIPTION:	It represents the date of Joining the Vidya Book Bank
FORMAT	DD/MM/YYYY
DATA FLOWS	viewProfile,adminCorner
REPORTS:	Profile detail