

Table Design

1. **tblregistrations**

Primary key: **userid**

No :	Fieldname	Datatype	Key Constraints	Description
1	userid	int	Primary Key	To store unique ids for each user
2	fullname	varchar	-	Saves users full name
3	dob	date	-	Stores users date of birth
4	age	int	-	Stores users age
5	status	int	-	Status 0: blocked user Status 1: Admin Status 2 : Member Status 3: User Suspended

2. **tbllogin**

Primary key: **loginid**

Foreign key: **userid references tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	loginid	int	Primary Key	To store unique loginid for each users
2	userid	int	Foreign Key	To connect with tblregistrations
3	email	varchar	-	Users use their email id to login
4	password	varchar	-	Passwords are secret keys used to login

3. tblbooks

Primary key: **accession_no**

No :	Fieldname	Datatype	Key Constraints	Description
1	accession_no	int	Primary Key	To store unique id for each book
2	title	varchar	-	To store titles of book
3	author	varchar	-	To store author name of book
4	genre	varchar	-	To store genre of book
5	summary	longtext	-	To store summary of book
6	pages	int	-	To store number of pages of book
7	language	varchar	-	To store language of book
8	publisher	text	-	To store publisher name of book
9	publish_date	date	-	To store publish date of book
10	ISBN	varchar	-	To store ISBN number of book
11	status	int	-	Status 0 : Book no longer exists Status 1 : Book is active
12	cov_pic	varchar	-	To store name of cover picture of book
13	rating	int	-	To store rating of book. Takes the average from tblreviews

4. tblstocks

Primary key: **stockid**

Foreign key: **accession_no** references **tblbooks**

No :	Fieldname	Datatype	Key Constraints	Description
1	stockid	int	Primary Key	To store unique id for each stock item
2	accession_no	int	Foregin Key	Connects with tblbooks
3	type	varchar	-	To store type of book available
4	qty	int	-	To store quantity of available books

5	price	float	-	To store price of each book
6	discount	float	-	To store discount percentage of each book

5. tblcarts

Primary key: **cartid**

Foreign key: **userid** references **tblregistrations** , **stockid** references **tblstocks**

No :	Fieldname	Datatype	Key Constraints	Description
1	cartid	int	Primary Key	To store unique id for each cart item
2	stockid	int	Foreign Key	Connects with tblstocks
3	userid	int	Foreign Key	Connects with tblregistrations
4	qty	int	-	Stores quantity the member wants to buy.

6. tblchallenges

Primary key: **challengeid**

Foreign key: **userid** references **tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	challengeid	int	Primary key	To store unique id for each users
2	userid	int	Foreign Key	To connect with tblregistrations
3	goal	int	-	To store goal the user wish to achieve within a timespan
4	completedgoal	int	-	The goals the user completed within the timespan
5	status	int	-	Status 0: The challenge is complete Status 1 : The challenge is active
6	created_at	timestamp	-	The time the challenge created
7	updated_at	timestamp	-	The time when the challenge is updated

7. tbllibraries

Primary key: **libid**

Foreign key: **userid** references **tblregistrations**, **accession_no** references **tblbooks**

No :	Fieldname	Datatype	Key Constraints	Description
1	libId	int	Primary Key	To store unique id for each book in library
2	userid	int	Foreign Key	To connect with tblregistrations
3	accession_no	int	Foreign Key	To connect with tblbooks
4	status	int	-	Status 0: The book is not in library Status 1 : The book is in library
5	updated_at	timestamp	-	The time when the challenge is updated

8. tblshippingaddresses

Primary key: **shippingid**

Foreign key: **userid** references **tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	shippingid	int	Primary Key	To store unique id for each shipping address
2	userid	int	Foreign Key	To connect with tblregistrations
3	firstname	varchar	-	To store first name of person who receives the delivery
4	lastname	varchar	-	To store last name of person who receives the delivery
5	address	varchar	-	To store street address of person who receives the delivery
6	country	varchar	-	To store country of person who receives the delivery
7	zipcode	varchar	-	To store zipcode of person who receives the delivery
8	city	varchar	-	To store city of person who receives the delivery
9	state	varchar	-	To store state of person who receives the delivery
10	created_at	timestamp	-	The timestamp of address registered to the system
11	status	int	-	Status 1: Pending delivery Status 0: Out for delivery

9. tblorders

Primary key: **orderid**

Foreign key: **shippingid** references **tblshippingaddresses**

No :	Fieldname	Datatype	Key Constraints	Description
1	orderid	int	Primary Key	To store unique id for each users
2	shippingid	int	Foreign Key	To connect with tblshippingaddresses
3	userid	int	Foreign Key	To connect with tblregistrations
4	totalamt	int	-	To store total amount of the order
5	paymentamt	timestamp	-	The amount to be paid after discounts
6	placed_at	timestamp	-	Time at which order placed
7	status	int	-	Status 0: order inactive Status 1 : order active

10. tblfriends

Primary key: **id**

Foreign key: **userid** references **tblregistrations**, **friendid** references **tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	id	int	Primary Key	To store unique id for each connections
2	userid	int	Foreign Key	To connect with tblregistrations
3	friendid	int	-	To connect with tblregistrations
4	approved	int	-	1: Connected 0: Not Connected

11. tblposts

Primary key: **postid**

Foreign key: **userid** references **tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	postid	int	Primary Key	To store unique id for each connections
2	userid	int	Foreign Key	To connect with tblregistrations
3	image	varchar	-	To store image of post
4	body	text	-	To store content of post
4	status	int	-	Status 1: Post is up Status 0: Post is deleted
5	updated_at	timestamp	-	The time the post is updated
6	created_at	timestamp	-	The time when the post is created

12. tblprofilepictures

Primary key: **profileid**

Foreign key: **userid** references **tblregistrations**

No :	Fieldname	Datatype	Key Constraints	Description
1	profileid	int	Primary Key	To store unique id for each profiles
2	userid	int	Foreign Key	To connect with tblregistrations
3	picture	varchar	-	To store profile picture of each user
4	bio	text	-	To store bio of each user
5	level	int	-	To store challenge level of each user
6	min	int	-	Minimum number of books according to challenge level

13. tblreviews

Primary key: **id**

Foreign key: **userid** references **tblregistrations**, **bookid** references **tblreviews**

No :	Fieldname	Datatype	Key Constraints	Description
1	id	int	Primary Key	To store unique id for reviews
2	bookid	int	Foreign Key	To connect with tblbooks
3	userid	varchar	Foreign Key	To connect with tblregistrations
4	review	text	-	To store review of a book by each user
5	rating	int	-	To store rating of a book by each user

14. tblthriftnegotiates

Primary key: **id**

Foreign key: **sellerid** references **tblregistrations**, **customerid** references **tblregistrations**, **personalstoreid** references **tblpersonalstores**

No :	Fieldname	Datatype	Key Constraints	Description
1	id	int	Primary Key	To store unique id for each thrift negotiation
2	sellerid	int	Foreign Key	To connect with tblregistrations
3	customerid	int	Foreign Key	To connect with tblregistrations
4	personalstoreid	int	Foreign Key	To connect with tblpersonalstore
5	negoamt	int	-	To store negotiate amount of a book
6	action	varchar	-	declined: negotiation declined pending: negotiation pending accepted: negotiation accepted
7	status	int	-	Status 0: inactive thrift Status 1: active thrift

15. tblsuspensions

No :	Fieldname	Datatype	Key Constraints	Description
1	suspendid	int	Primary Key	To store unique ids for each suspension
2	userid	int	Foreign Key	To connect with tblregistrations
3	suspend	int	-	Stores suspension count upto 3
4	created_at	date	-	Start date of suspension
5	End_date	date	-	End date of suspension