



Tender Management System

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Java Backend Project Associated to Masia

- Project developed to enable the vendors to get all the tender details and information online and provide facility to submit the tender.
- Provides a system which will reduce the extra cost which involves this entire process like :
 - Advertising.
 - Document processing.
 - Getting confirmation results.
- Vendors can place their bids among which some selected bids can be considered to be approved and the other can be indicated as not approved.

Existing System :

- The entire tender info is put up either on newspaper ads or physically in some collaborated organization where people can physically come and bid on their tender.
- Contractor has to bid for particular tender on time by applying forms and needs to wait for approval reply.
- It takes long time to access tenders or vendors data accessing and is not much secure and transparent.

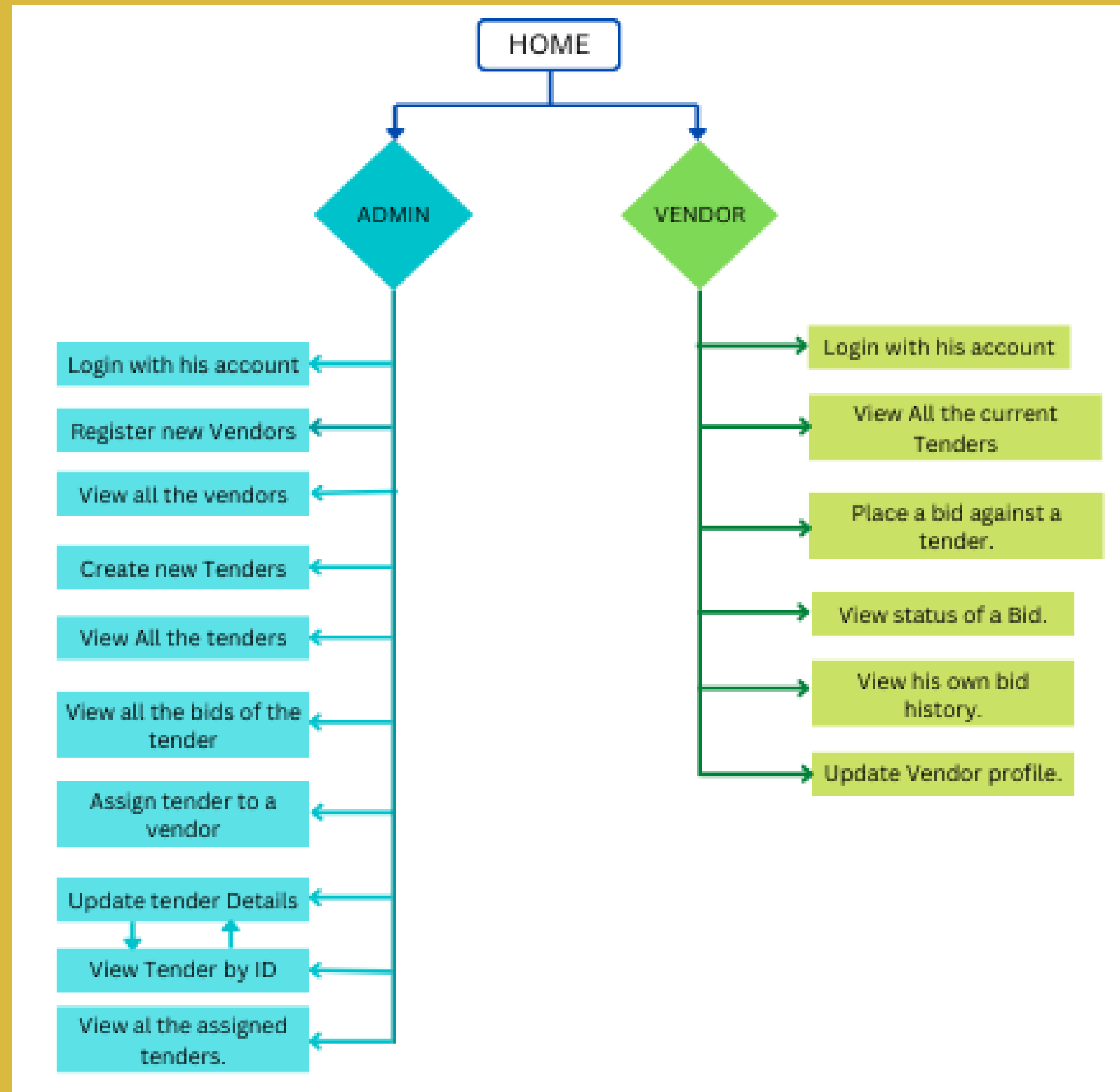
Proposed System :

- User needs to have a network connection.
- New User needs to register as new vendor in the website.
- Contractors can login scroll through all the active tenders and bid for some existing tenders.
- To reduce paper work, data which are available online, using this final decision can be taken by the administration can contact directly to such suppliers.
- More Data security.
- Easy to access the tenders and vendors data.

Software Requirements :

- Language: Core JAVA
- Web Technologies: J2EE (JDBC).
- Database: MYSQL

App workflow :



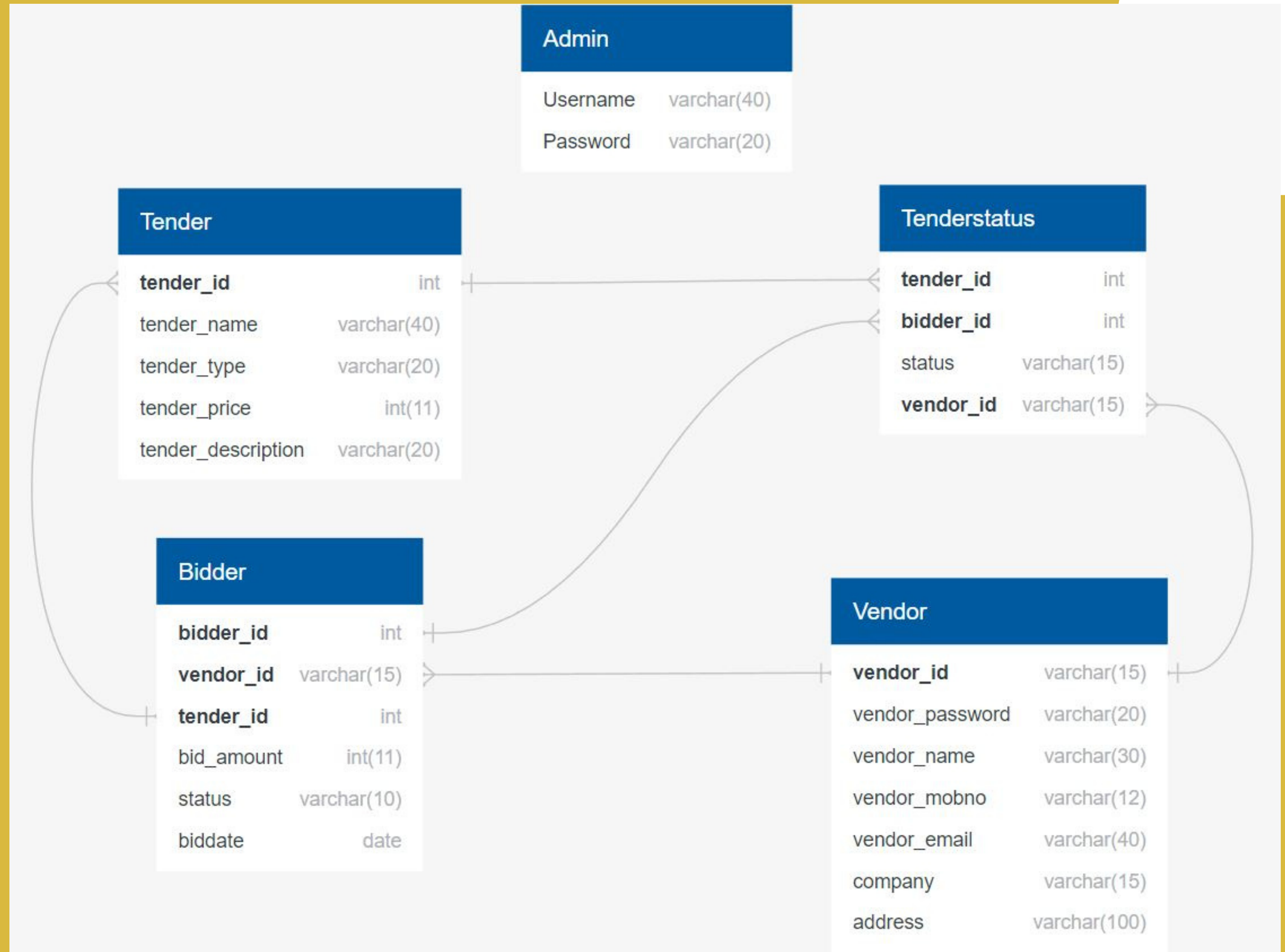
Administrator functionalities:

- 1.Login with his account.
- 2.Register new Vendor.
- 3.View all the vendors.
- 4.Create new tenders.
- 5.View All the tenders.
- 6.View all the bids of a tender.
- 7.Assign tender to a vendor.
- 8.Update tender details.
- 9.View all the assigned tenders.
- 10.View Tender by ID.

Vendor functionalities:

- 1.Login with his account.
- 2.View all the current tenders.
- 3.Place a bid against a tender.
- 4.View stats of a Bid (Whether Selected or Not).
- 5.View his own Bid History.
- 6.Update his own Bid History.

Database schema:



Database Description: Tender Table

```
mysql> create table tender(tender_id int not null primary key auto_increment, tender_name varchar(30),
-> tender_type varchar(30), tender_price int, tender_descreption varchar(30), tender_status varchar(30)
-> );
```

Query OK, 0 rows affected (0.74 sec)

```
mysql> desc tender;
```

Field	Type	Null	Key	Default	Extra
tender_id	int	NO	PRI	NULL	auto_increment
tender_name	varchar(30)	YES		NULL	
tender_type	varchar(30)	YES		NULL	
tender_price	int	YES		NULL	
tender_descreption	varchar(30)	YES		NULL	
tender_status	varchar(30)	YES		NULL	

Database Description: Tender Table

```
mysql> desc tender;
```

Field	Type	Null	Key	Default	Extra
tender_id	int	NO	PRI	NULL	auto_increment
tender_name	varchar(40)	YES		NULL	
tender_type	varchar(20)	YES		NULL	
tender_price	int	YES		NULL	
tender_description	varchar(20)	YES		NULL	
tender_status	varchar(20)	YES		NULL	

Database Description: Vendor Table

```
mysql> create table vendor(vendor_id varchar(20) not null primary key, vendor_password varchar(10), vendor_name
  varchar(20), vendor_mobilenumber int, vendor_email varchar(30), vendor_company varchar(30), vendor_address varchar(
  30));
Query OK, 0 rows affected (4.74 sec)
```

```
mysql> desc vendor;
```

Field	Type	Null	Key	Default	Extra
vendor_id	varchar(20)	NO	PRI	NULL	
vendor_password	varchar(10)	YES		NULL	
vendor_name	varchar(20)	YES		NULL	
vendor_mobilenumber	int	YES		NULL	
vendor_email	varchar(30)	YES		NULL	
vendor_company	varchar(30)	YES		NULL	
vendor_address	varchar(30)	YES		NULL	

Database Description: Bidder Table

```
create table bidder_table(bidder_id int not null unique key auto_increment, vendor_id varchar(30)
primary key, tender_id int not null, bidamount int, status varchar(10), biddate date);
, 0 rows affected (0.68 sec)
```

```
desc bidder_table;
```

	Type	Null	Key	Default	Extra
id	int	NO	UNI	NULL	auto_increment
id	varchar(30)	NO	PRI	NULL	
id	int	NO		NULL	
unt	int	YES		NULL	
	varchar(10)	YES		NULL	
te	date	YES		NULL	

Admin Functionalities:

Admin login & logout

```
Enter Choice of Operation:
1. Register new Vendor. (assign a new username and password to him)
2. View all the vendors.
3. Create new tenders.
4. View All the Tenders.
5. View All the Bids of a tender.
6. Assign tender to a vendor.
7. View All the Assigned tenders.
8. View Tender by ID.
9. Update a Tendor.
10. Logout and Exit from Admin Account.
10
=====
Logout Succesful
Returning to Home
=====
```

```
-----
Do You Want to Login ? : {Y/N}
y
Choose User Type:
1. Admin
2. Vendor
1
Enter username
admin
Enter password
admin
=====
Login Successful
=====
Enter Choice of Operation:
1. Register new Vendor. (assign a new username and password to him)
2. View all the vendors.
3. Create new tenders.
4. View All the Tenders.
5. View All the Bids of a tender.
6. Assign tender to a vendor.
7. View All the Assigned tenders.
8. View Tender by ID.
9. Update a Tendor.
10. Logout and Exit from Admin Account.
```


Admin Functionalities:

Addiing and viewing the tenders

```
=====
Enter Choice of Operation:
1. Register new Vendor. (assign a new username and password to him)
2. View all the vendors.
3. Create new tenders.
4. View All the Tenders.
5. View All the Bids of a tender.
6. Assign tender to a vendor.
7. View All the Assigned tenders.
8. View Tender by ID.
9. Update a Tendor.
10. Logout and Exit from Admin Account.
3
Enter The Tender Details
Enter Tender Title:
abc
Enter Tender Type: {new/old/additonal}
new
Enter Tender Price:
123
Enter Tender Description:
tender1 description
=====
New Tender Inserted
Your Tender ID: 1
=====
```

```
=====
Enter Choice of Operation:
1. Register new Vendor. (assign a new username and password to him)
2. View all the vendors.
3. Create new tenders.
4. View All the Tenders.
5. View All the Bids of a tender.
6. Assign tender to a vendor.
7. View All the Assigned tenders.
8. View Tender by ID.
9. Update a Tendor.
10. Logout and Exit from Admin Account.
4
=====
1 Tender Details:
*ID: 1
*Title: abc
*Price: 123
*Type: new
*Description: tender1 description
*Status: Not Assigned
=====
```


Vendor Functionalities:

Vendor login & logout

```
=====
***** Welcome To Tender Management System *****
=====
Do You Want to Login ? : {Y/N}
y
Choose User Type:
1. Admin
2. Vendor
2
Enter username
raj
Enter password
rajmkumar
=====
Login Succesfull
=====
Enter Choice of Operation:
1. View all the current Tenders.
2. Place a Bid against a Tender.
3. View status of a Bid(Whether Selected or Not)
4. View his own Bid History.
5. Update Profile.
6. Logout and Exit from Vendor Account.
```

```
Enter Choice of Operation:
1. View all the current Tenders.
2. Place a Bid against a Tender.
3. View status of a Bid(Whether Selected or Not)
4. View his own Bid History.
5. Update Profile.
6. Logout and Exit from Vendor Account.
6
=====
Logout Succesful
Returning to Home
=====
```

Vendor Functionalities:

List of biddings made by vendor

```
=====
List of Bids For Vendor: raj
=====
1 Bids Details:
*Bid ID: 1
*Tender ID: 1
*Vendor ID: raj
*Bid Amount: 1234
*Bid Status: Pending
=====
Enter Choice of Operation:
1. View all the current Tenders.
2. Place a Bid against a Tender.
3. View status of a Bid(Whether Selected or Not)
4. View his own Bid History.
5. Update Profile.
6. Logout and Exit from Vendor Account.
```

Conclusion:

- The project Tender Management System is successfully developed with user friendly environment for tender management process.
- This project is flexible and changes can be incorporated easily.
- Easy for further Modification.
- Assigns the tenders and projects in a well manner and optimal way to the contractors in less time with low cost charges.

Thank You