Tender Management System

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TENDERFIND

Java Backend Project Associated to Masia

- Project developed to enable the vendors to get all the tender details and information online and provide facitlity 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 colaborated 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.
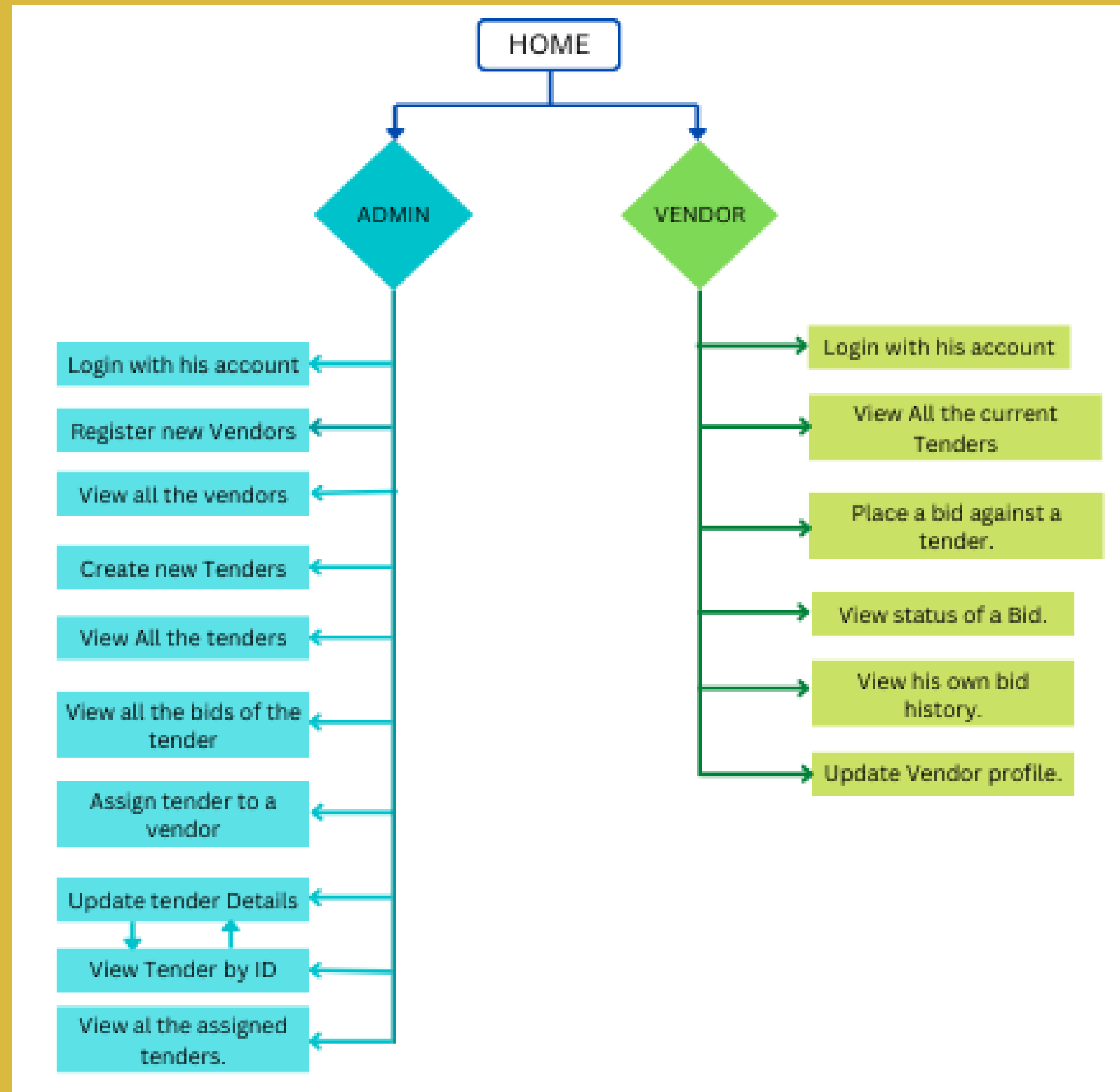
Proposed System :

- 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 :

HOME

ADMIN

- Login with his account
- Register new Vendors
- View all the vendors
- Create new Tenders
- View All the tenders
- View all the bids of the tender
- Assign tender to a vendor
- Update tender Details
- View Tender by ID
- View al the assigned tenders.

VENDOR

- Login with his account
- View All the current Tenders
- Place a bid against a tender.
- View status of a Bid.
- View his own bid history.
- Update Vendor profile.

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 Descreption: 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 Descreption: 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 Descreption: Vendor Table

```
mysql> create table vendor(vendor_id varchar(20) not null primary key, vendor_password varchar(10), vendor_name
 varchar(20),vendor_mobileno 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_mobileno | int         | YES  |     | NULL    |       |
| vendor_email    | varchar(30) | YES  |     | NULL    |       |
| vendor_company  | varchar(30) | YES  |     | NULL    |       |
| vendor_address  | varchar(30) | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
```

Database Descreption: Bidder Table

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

esc 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	
e	date	YES		NULL	

Admin Functionalities:

Admin login & logout

```
Enter Choice of Operation:
1. Register new Vendor. (assign a new usern Do You Want to Login ? : {Y/N}
2. View all the vendors.                    y
3. Create new tenders.                      Choose User Type:
4. View All the Tenders.                    1. Admin
5. View All the Bids of a tender.           2. Vendor
6. Assign tender to a vendor.               1
7. View All the Assigned tenders.           Enter username
8. View Tender by ID.                       admin
9. Update a Tendor.                         Enter password
10. Logout and Exit from Admin Account.     admin
10                                          |======================================
                                            Login Successful
================================            ======================================
                                            Enter Choice of Operation:
Logout Succesful                            1. Register new Vendor. (assign a new username and password to him)
Returning to Home                           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 projecst in a well manner and optimal way to the contractors in less time with low cost charges.

Thank You