



# TENDER MANAGEMENT SYSTEM

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# Java Backend Developer Project

## Associated to: Masai School

- Project developed to enable the vendors to get all the tender details online and provide facility to submit the tender.
- Provides a system which will reduce the extra cost which involves for this entire process like:-
  - Advertising
  - Document processing
  - Getting confirmation results.
- Vendors can save a lot of time. This application makes the evaluation process to complete within the assigned date.
- Different vendors with provides different Bids among which some selected bids can be approved



## Existing System:

- This Tender Management System works need to be completed manually.
- Contractors need to submit their documents by visiting the office or centers on time.
- Contractors has to bid for particular tender on time by applying forms and needs to wait for approval reply.
- The Admin Needs to post the Projects or contracts as a poster or advertisements regularly.
- It takes long time to access tenders or vendors data accessing.
- Not much secure.



# Proposed System:

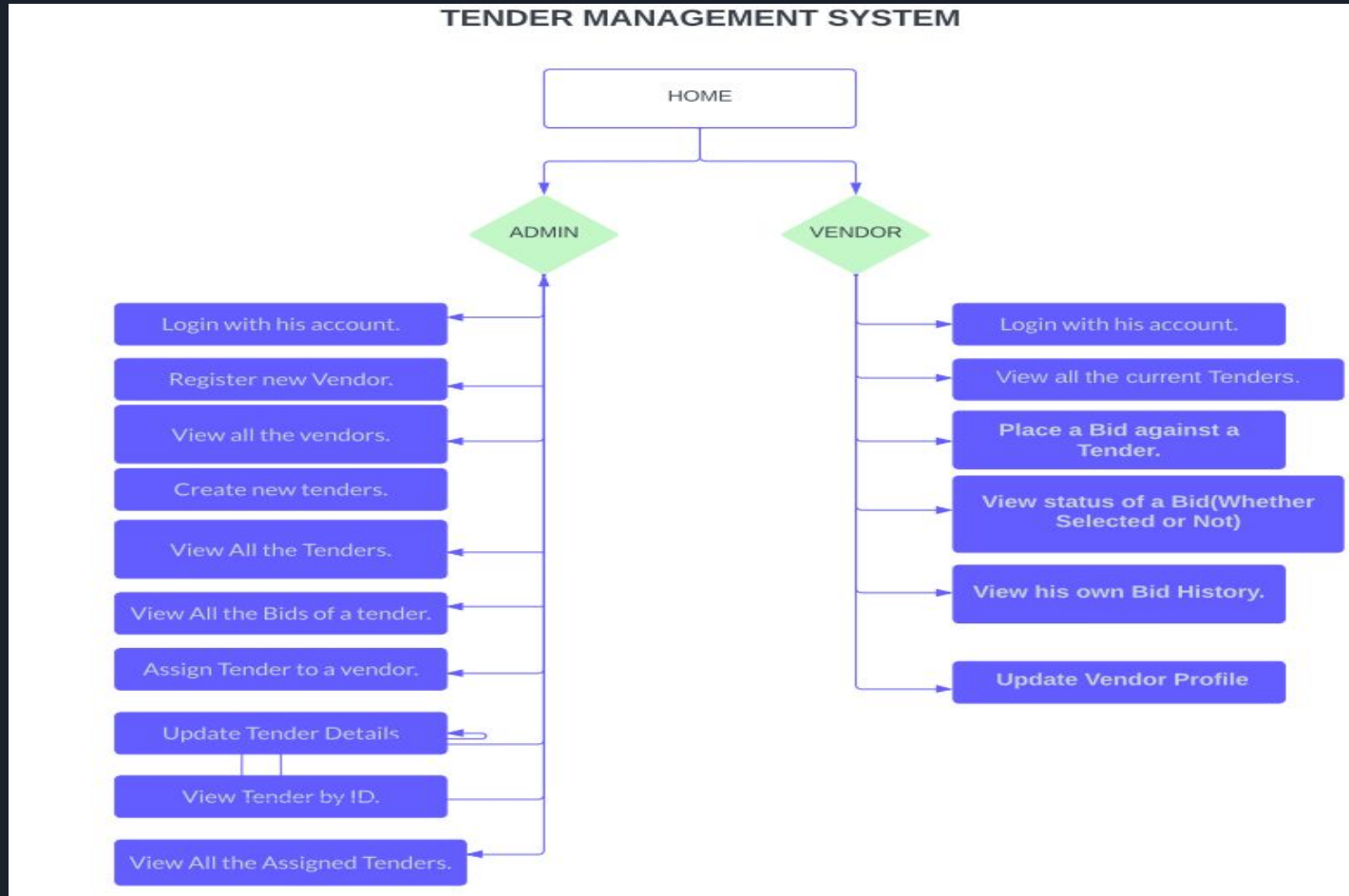
- User Needs to Have a Network Connection.
- New User needs to register as new vendor in the website.
- Contractors can login and bid for some existing tenders.
- They need to login using their login-id and password which they used while registration
- To reduce paper work, data which are available online, using this final decision can be taken by the administration and can contact directly to such suppliers.
- More data security.
- Easy to access the tenders and vendors data.



# Software Requirements:

- Language : Java
- Web technologies : J2EE (JDBC)
- Database: MYSQL
- Operating System : Windows/Linux

# Application Workflow





# Administrator

1. Login with his account.
2. Register new Vendor. (assign a new username and password to him)
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.



## The Role of a Vendor is:

1. Login with his account (username and password given by admin)
2. View all the current Tenders.
3. Place a Bid against a Tender.
4. View status of a Bid(Whether Selected or Not)
5. View his own Bid History.
6. Update Vendor Profile



# Database Description: Tender table

```
mysql> desc tender;
```

Field	Type	Null	Key	Default	Extra
tid	int	NO	PRI	NULL	auto_increment
tname	varchar(40)	YES		NULL	
ttype	varchar(20)	YES		NULL	
tprice	int	YES		NULL	
tdesc	varchar(300)	YES		NULL	
tstatus	varchar(20)	YES		NULL	



## Database Description: Vendor table

```
mysql> desc vendor  
-> ;
```

Field	Type	Null	Key	Default	Extra
vid	varchar(15)	NO	PRI	NULL	
vpasword	varchar(20)	NO		NULL	
vname	varchar(30)	YES		NULL	
vmob	varchar(12)	YES		NULL	
vemail	varchar(40)	YES		NULL	
company	varchar(15)	YES		NULL	
address	varchar(100)	YES		NULL	

# Database Description: Bidder table

```
mysql> desc bidder;
```

Field	Type	Null	Key	Default	Extra
bid	int	NO	UNI	NULL	auto_increment
vid	varchar(15)	NO	PRI	NULL	
tid	int	NO	PRI	NULL	
bidamount	int	YES		NULL	
status	varchar(10)	YES		NULL	
biddate	date	YES		NULL	

# Screenshots

```
=====
***** Welcome To Tender Management System *****
```

```
=====
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.

# Screenshots

Home [Java Application] C:\Users\ragha\Downloads\sts-4.15.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_

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 Tender.
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

2

Enter username

sumit

Enter password

sumit

=====

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.



# Conclusion

- Our Project Tender management System Successfully Created a user friendly environment for tender management process.
- This Project is flexible and changes can be incorporated easily.
- Easy for further Modification
- Saves a lot of time
- It may leads to increase profit and improve the quality of a company.
- Assigns the tenders and project in a well manner and optimal way to the contractors in less time with low cost charges.



THANK YOU.....