# Contract Management

# Technical Design Document

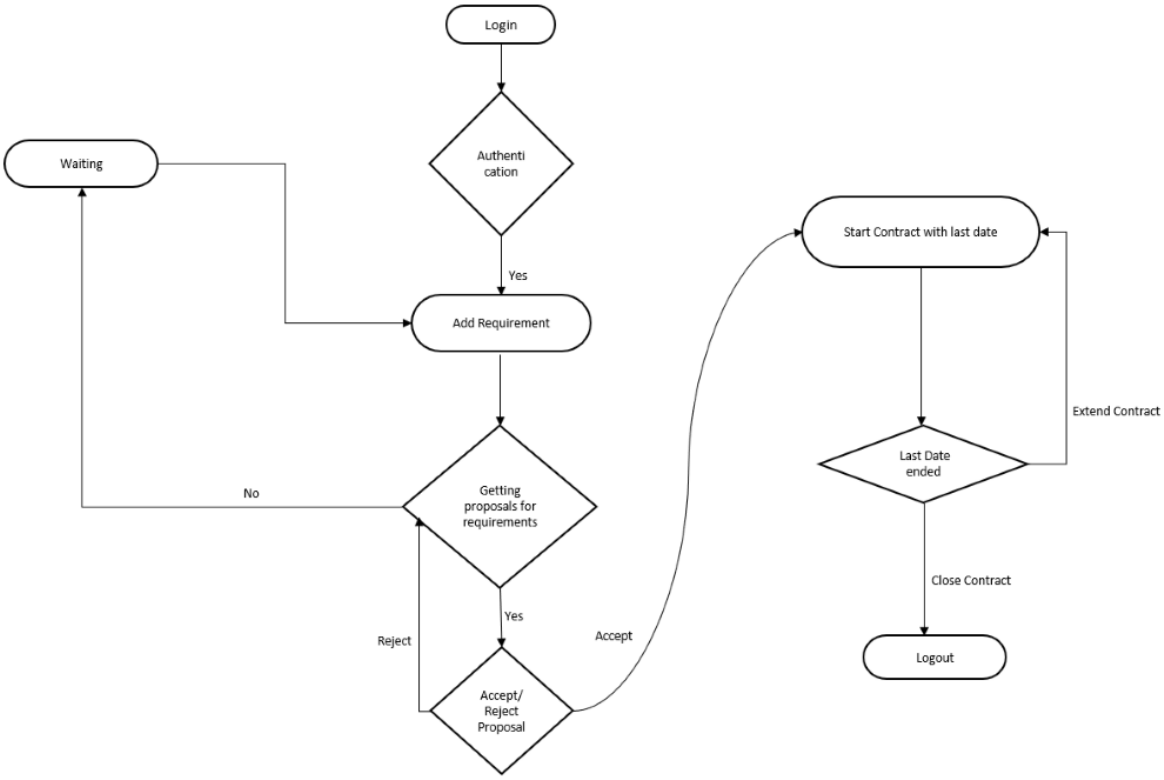
# Table of Contents


Schematic Diagram ..... 4
Admin Flow Chart ..... 4
Supplier Flow Chart ..... 5
System Design ..... 6
Home page ..... 6
Admin side pages ..... 6
Admin Login page ..... 6
Add Requirement ..... 7
View Requirement ..... 7
New Proposal Requests ..... 8
Accepted Requests ..... 8
Rejected Requests ..... 9
Active Contracts ..... 9
Closed Contracts ..... 10
Active Supplier Details ..... 10
Supplier Side Pages ..... 11
Registration Page ..... 11
Login Page ..... 11
View Requirements ..... 12
Sent and Accepted Proposals ..... 12
Sent and Rejected Proposals ..... 13
Created Contracts ..... 13
Active Contracts ..... 14
Inactive Contracts ..... 14
Closed Contracts ..... 15
Database Design ..... 16
Data Model ..... 16
Table Structures ..... 17
Admin Table ..... 17
Supplier Details ..... 17
Requirements ..... 17
Proposals ..... 17
Contracts ..... 18
Feedback ..... 18
Appendices ..... 18

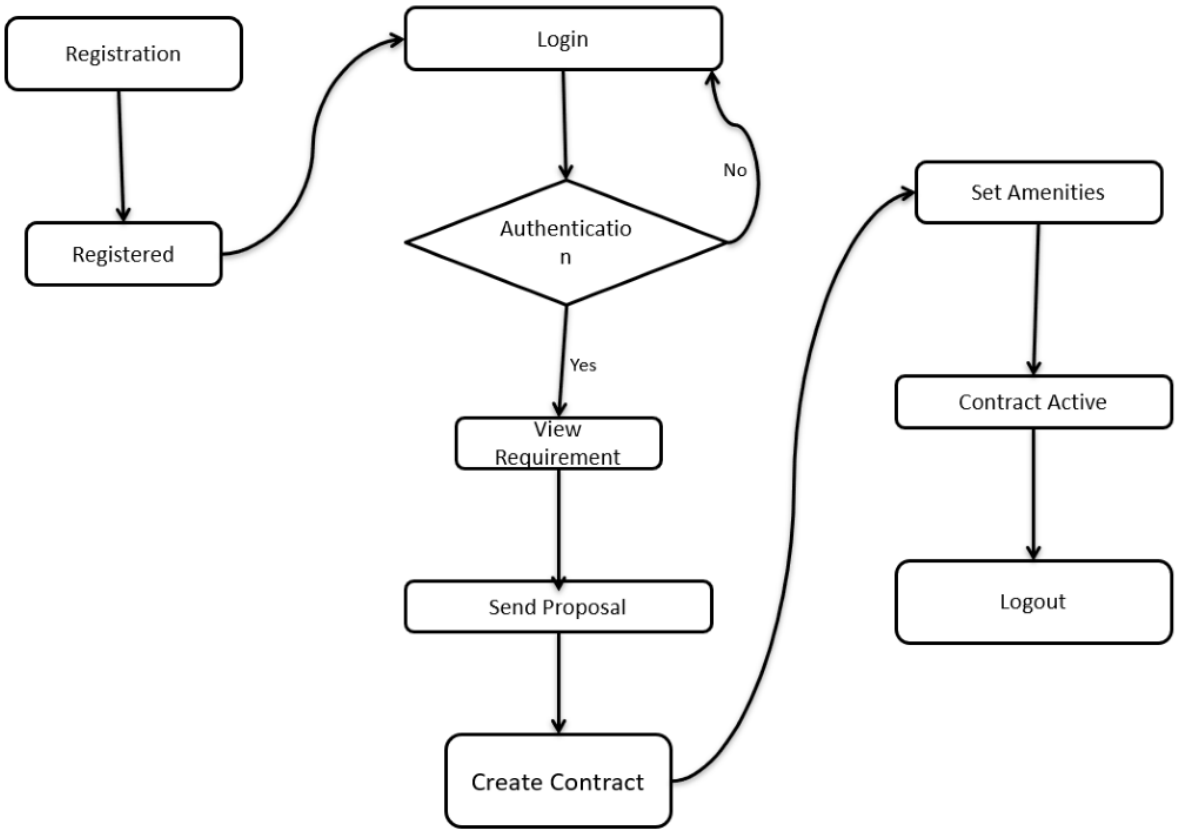
Glossary.....18

# Schematic Diagram

## Admin Flow Chart

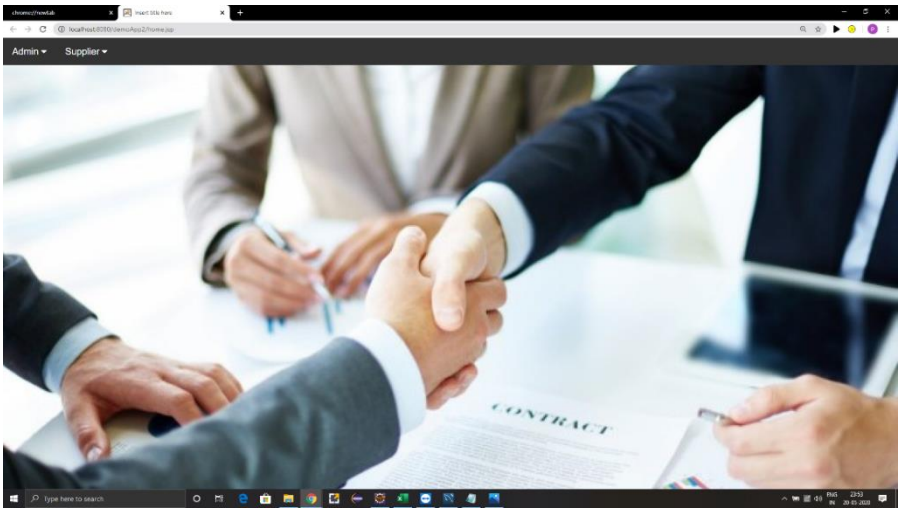


## Supplier Flow Chart



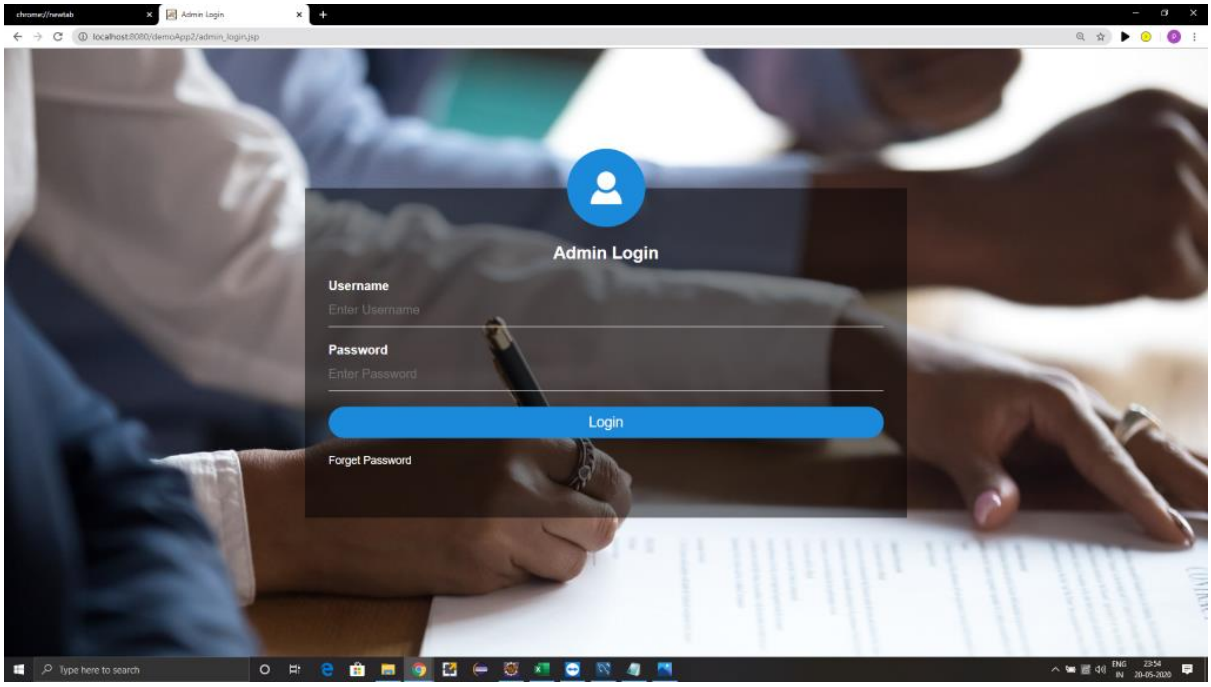
# System Design

## Home page



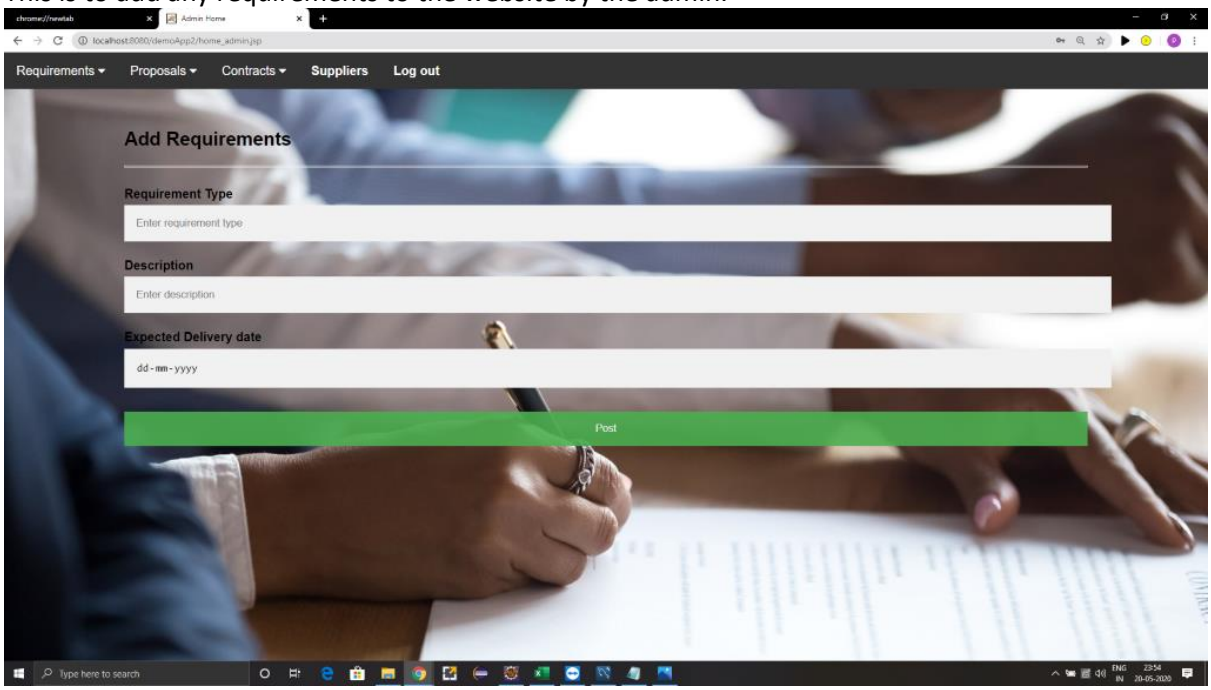

## Admin side pages

### Admin Login page



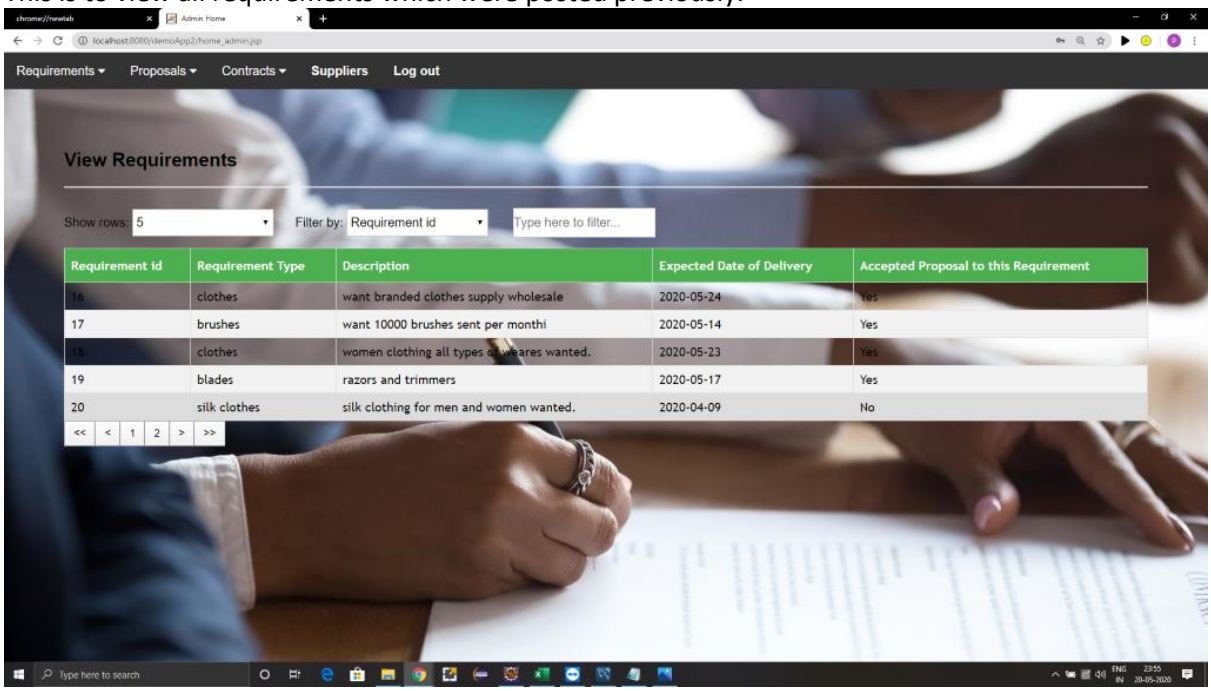
## Add Requirement

This is to add any requirements to the website by the admin.



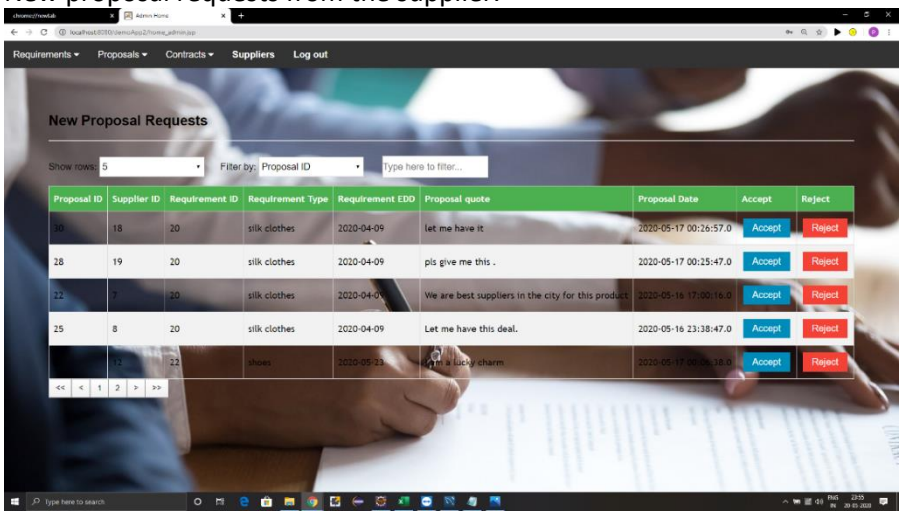

## View Requirement

This is to view all requirements which were posted previously.



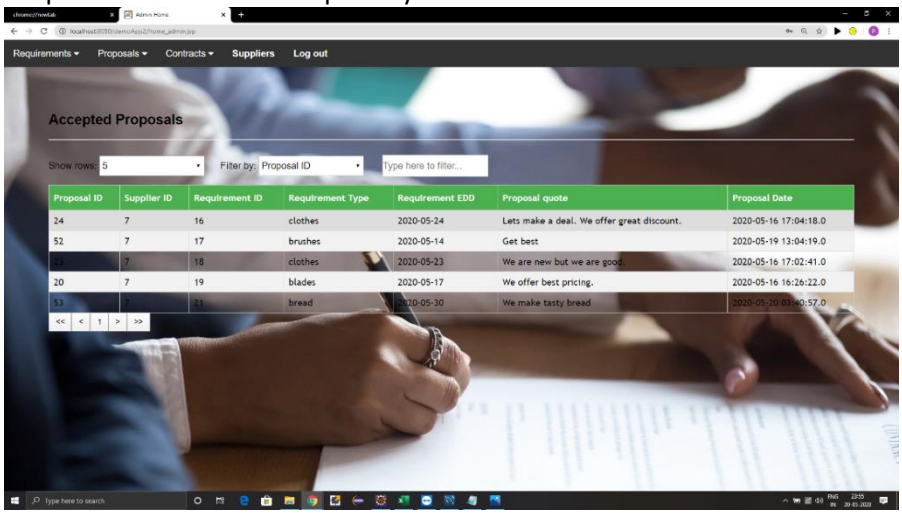
## New Proposal Requests

New proposal requests from the supplier.



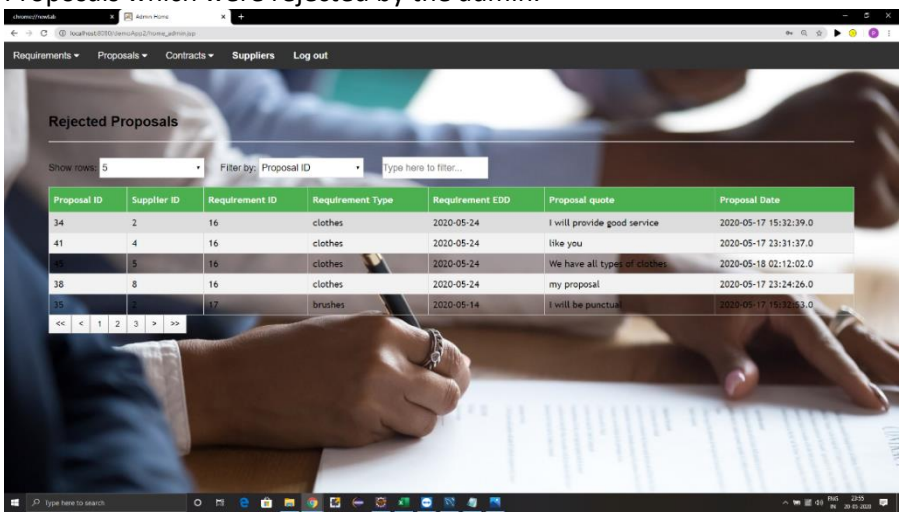

## Accepted Requests

Proposals which were accepted by the admin.

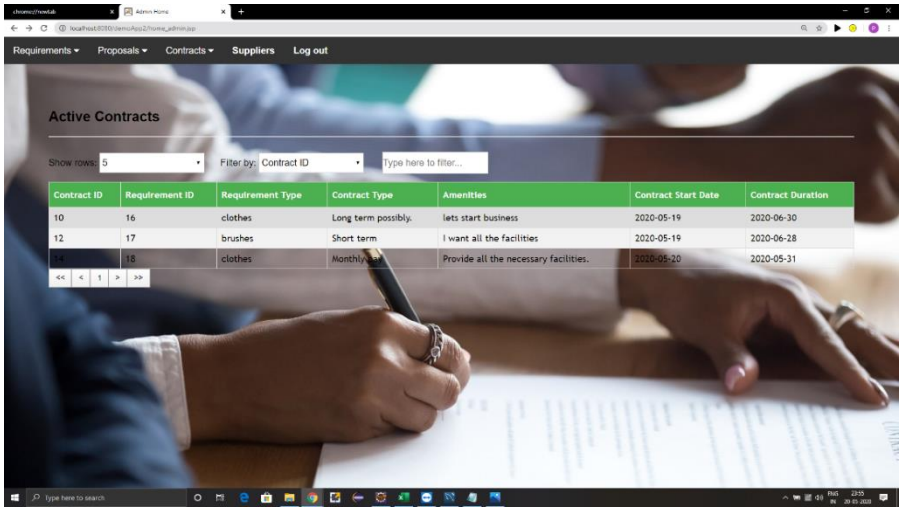


## Rejected Requests

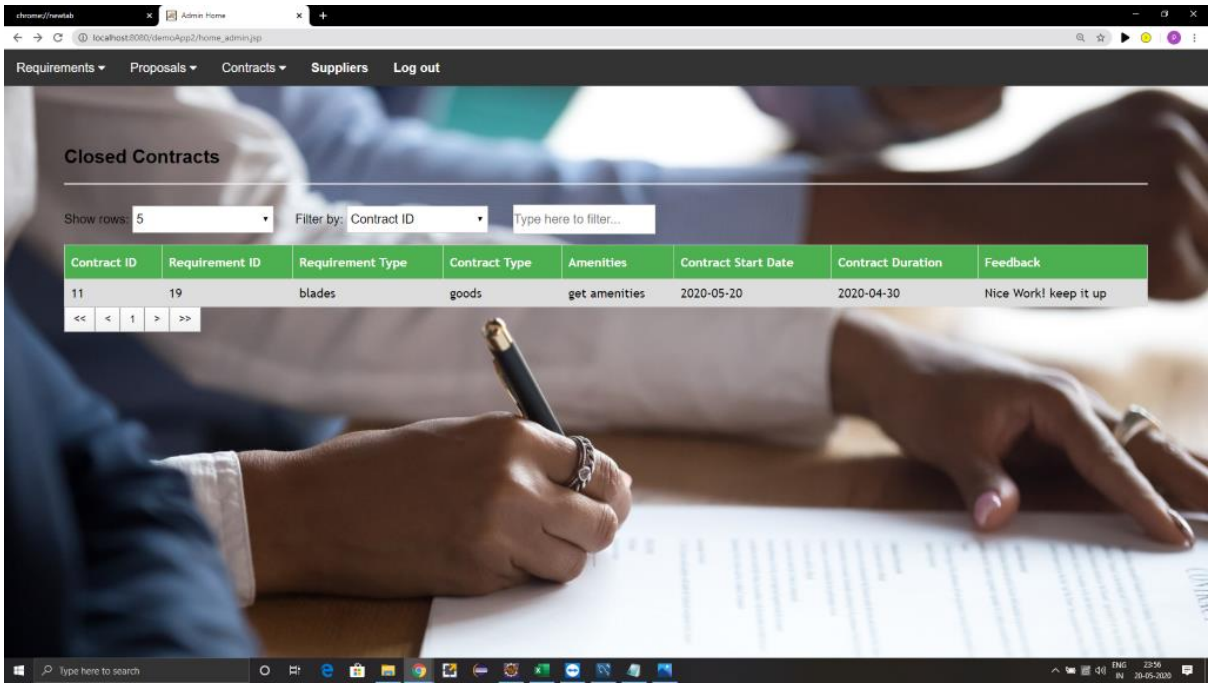
Proposals which were rejected by the admin.



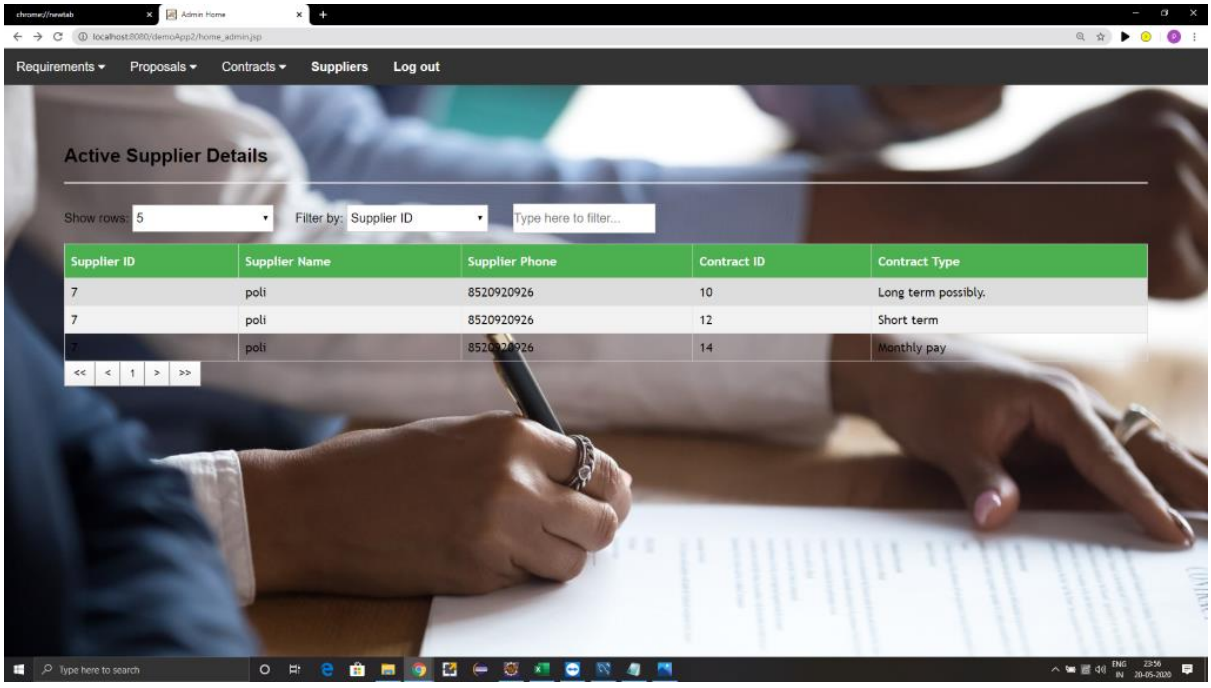

## Active Contracts



## Closed Contracts

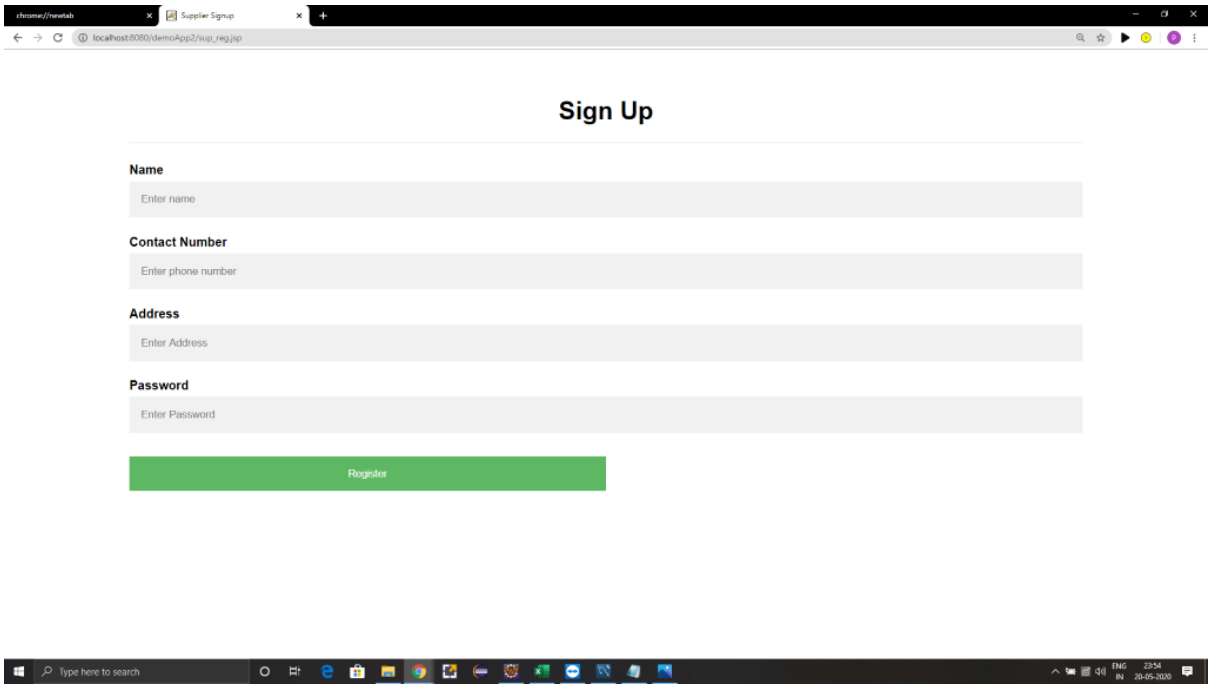



## Active Supplier Details

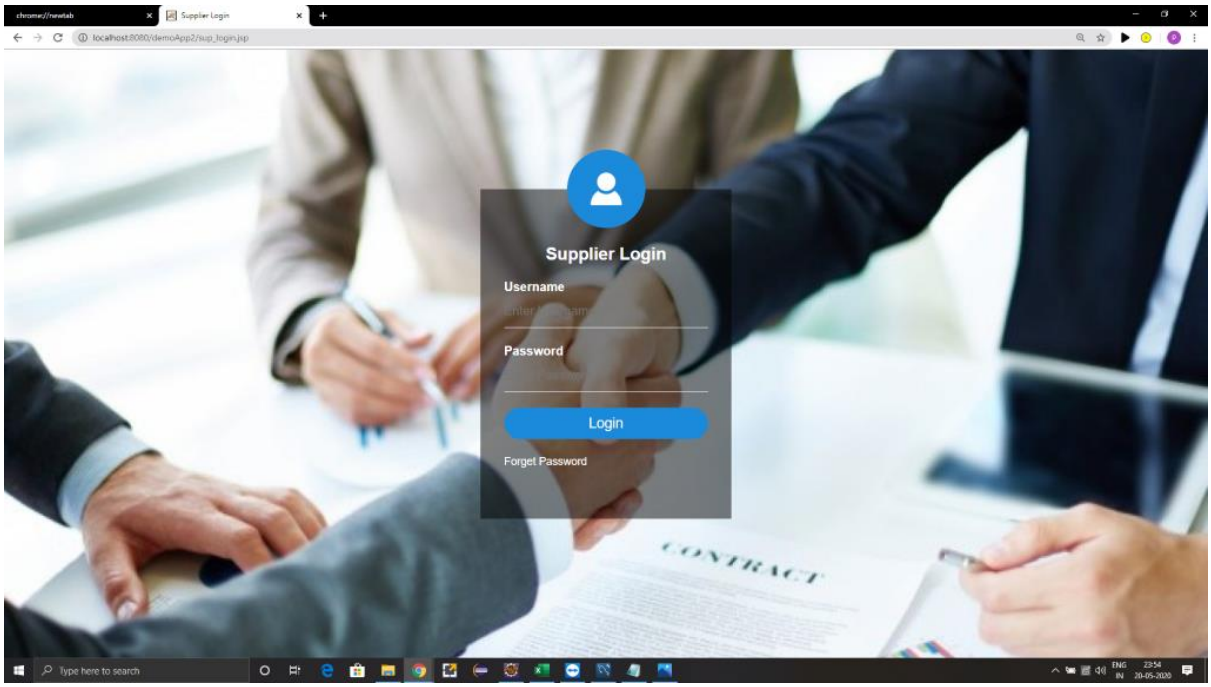


## Supplier Side Pages

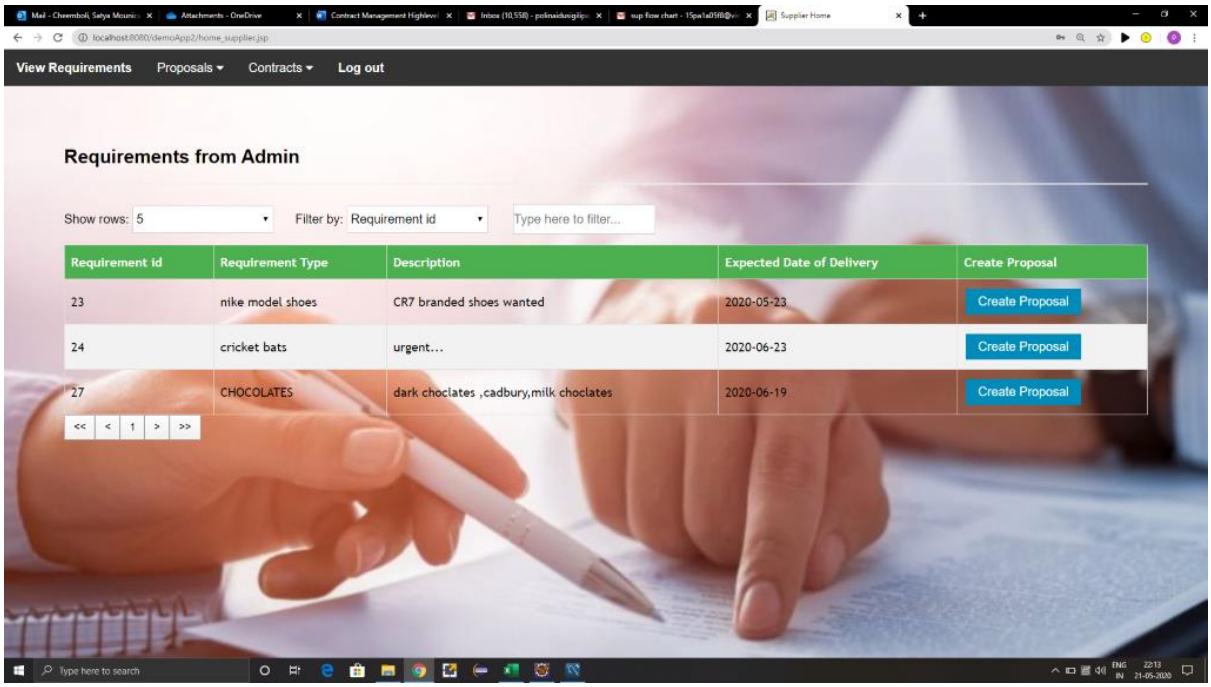
### Registration Page



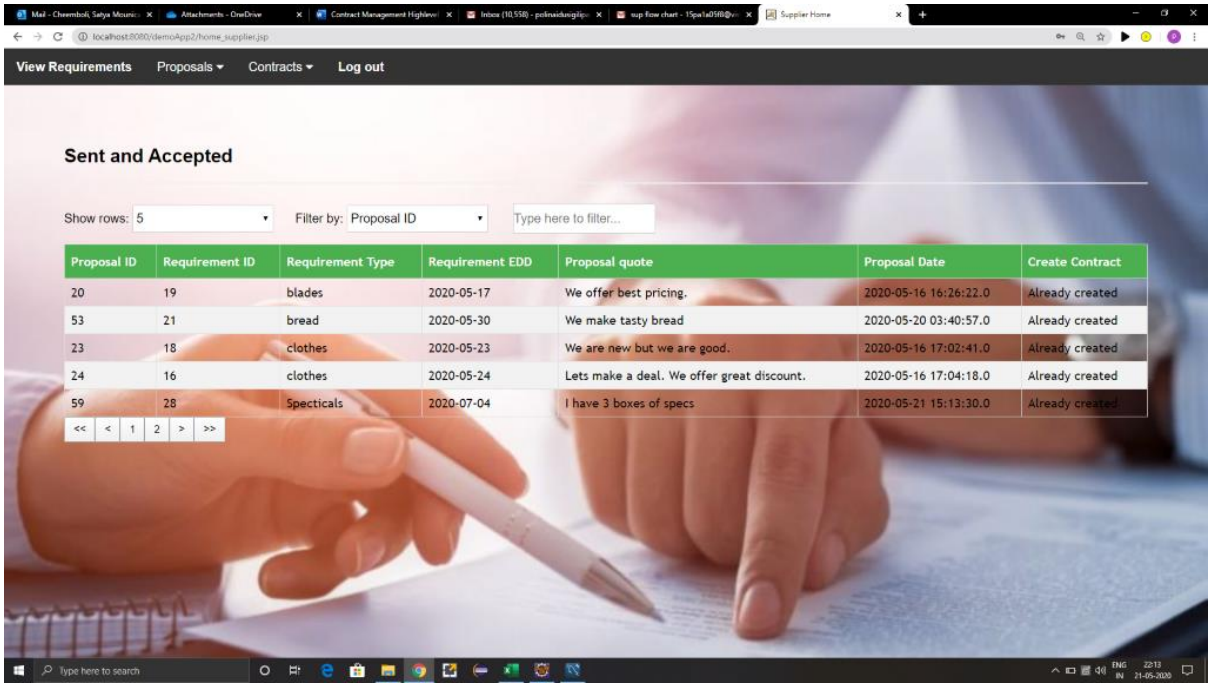

### Login Page



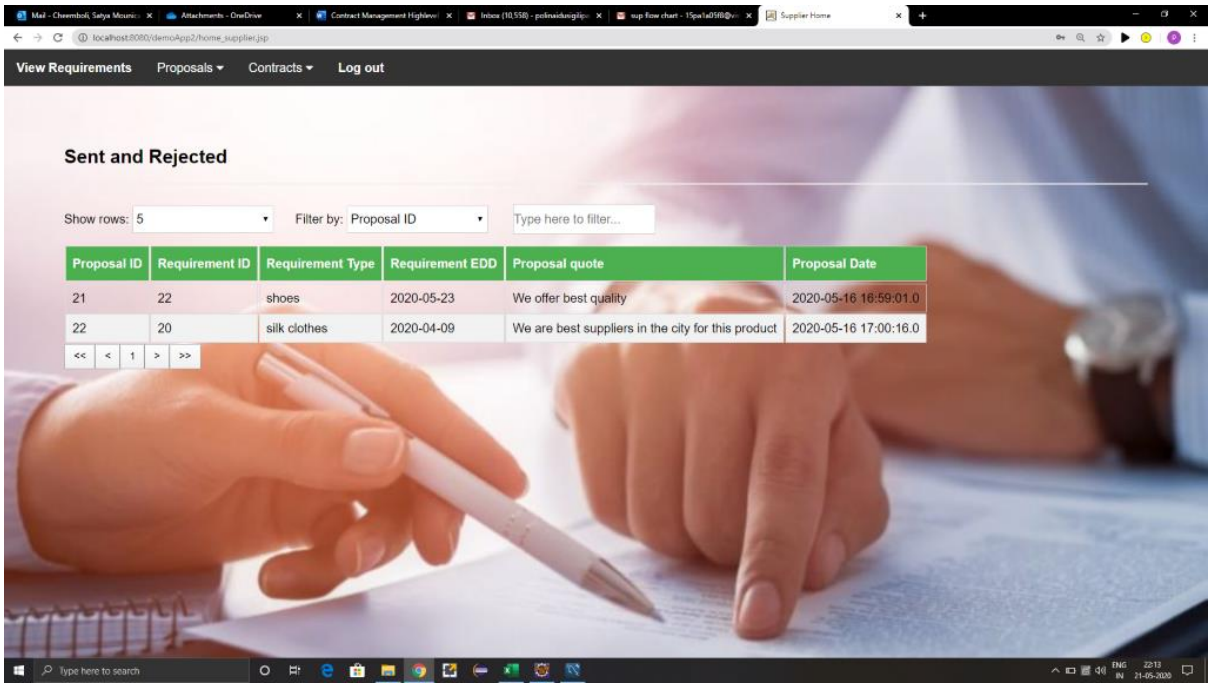
## View Requirements



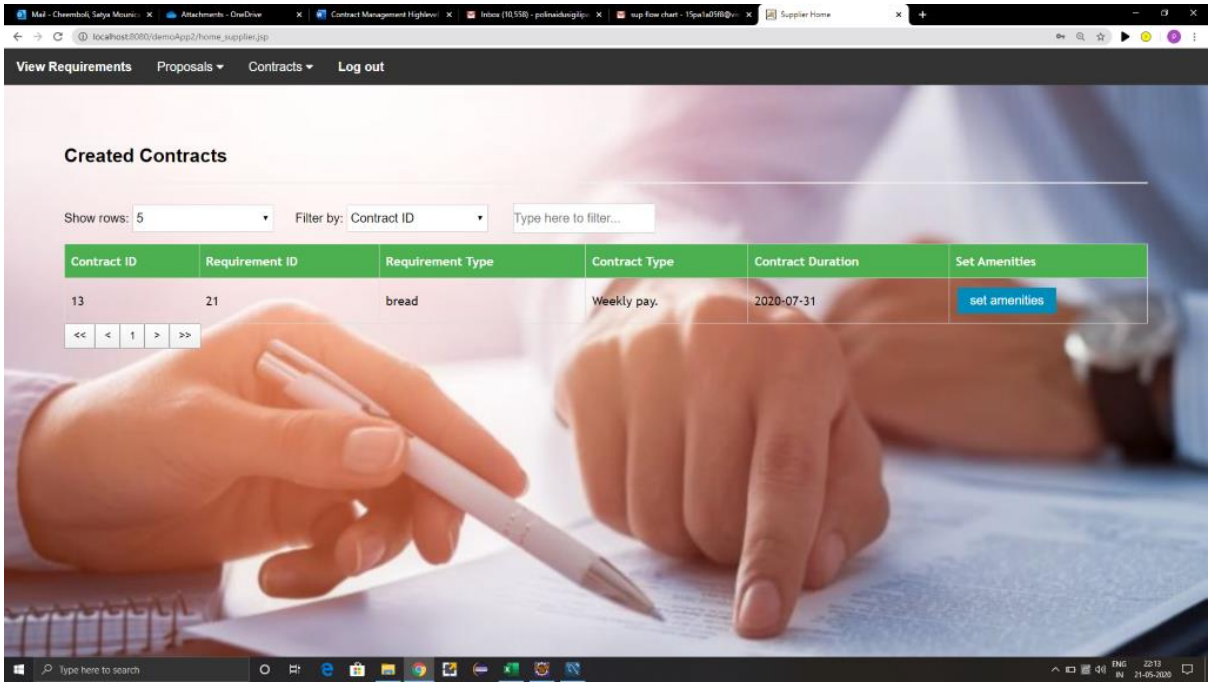

## Sent and Accepted Proposals



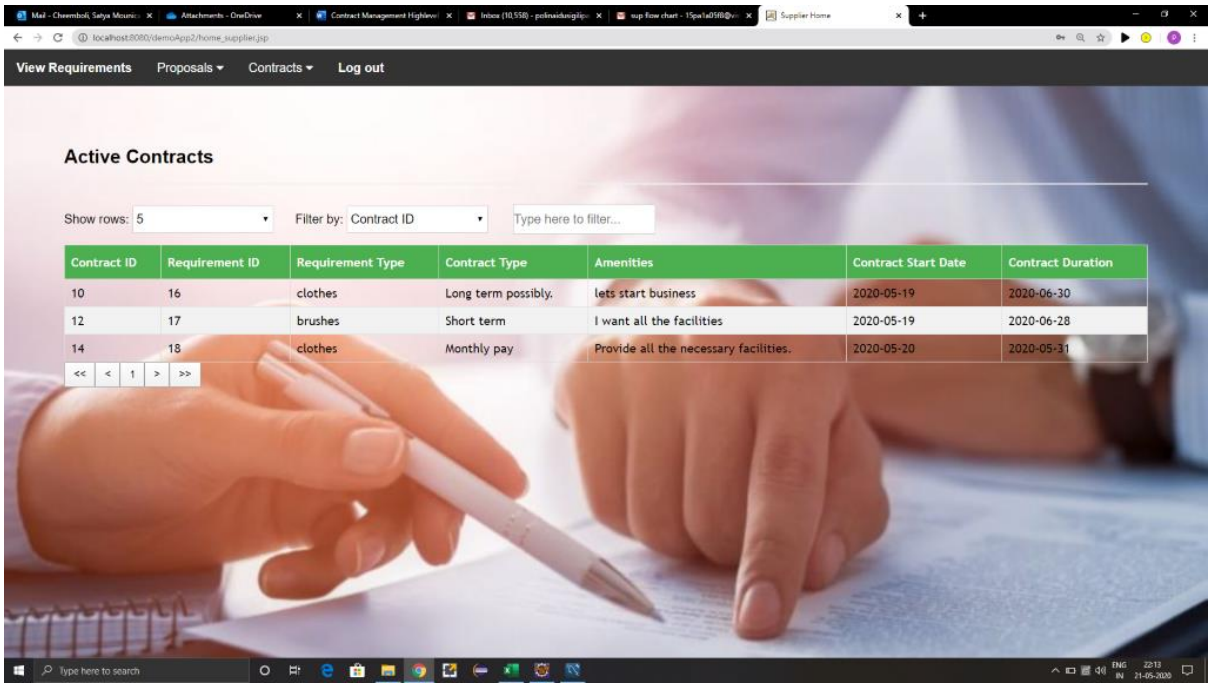
## Sent and Rejected Proposals



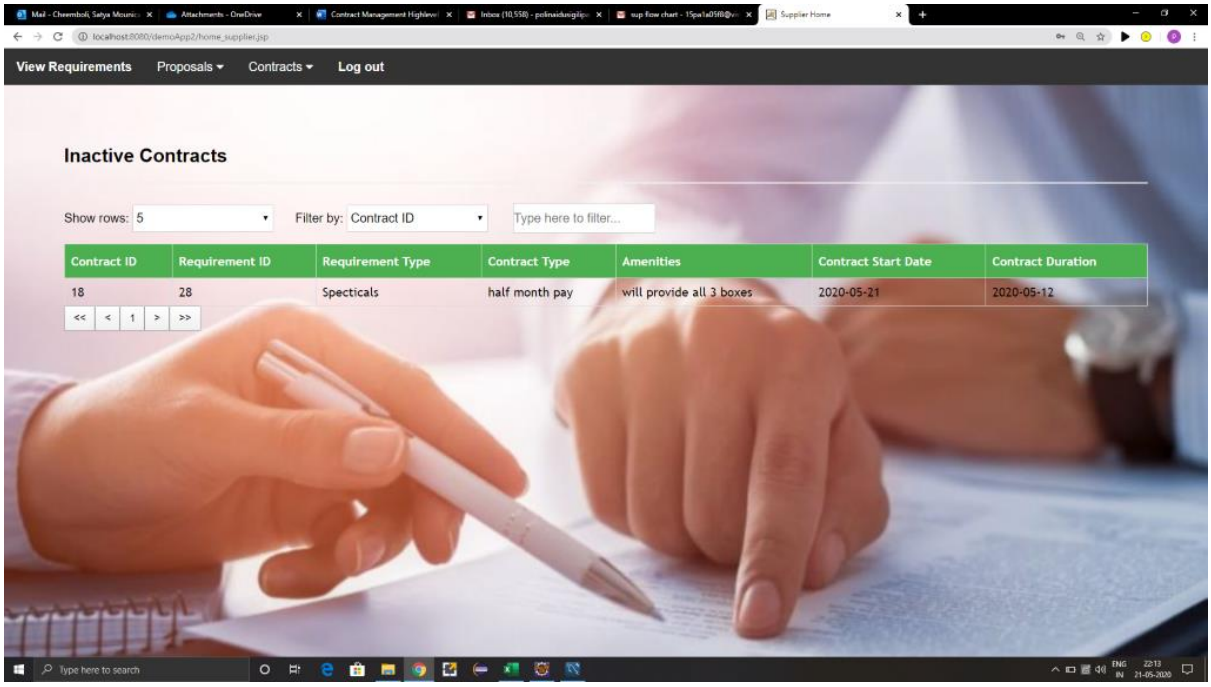

## Created Contracts



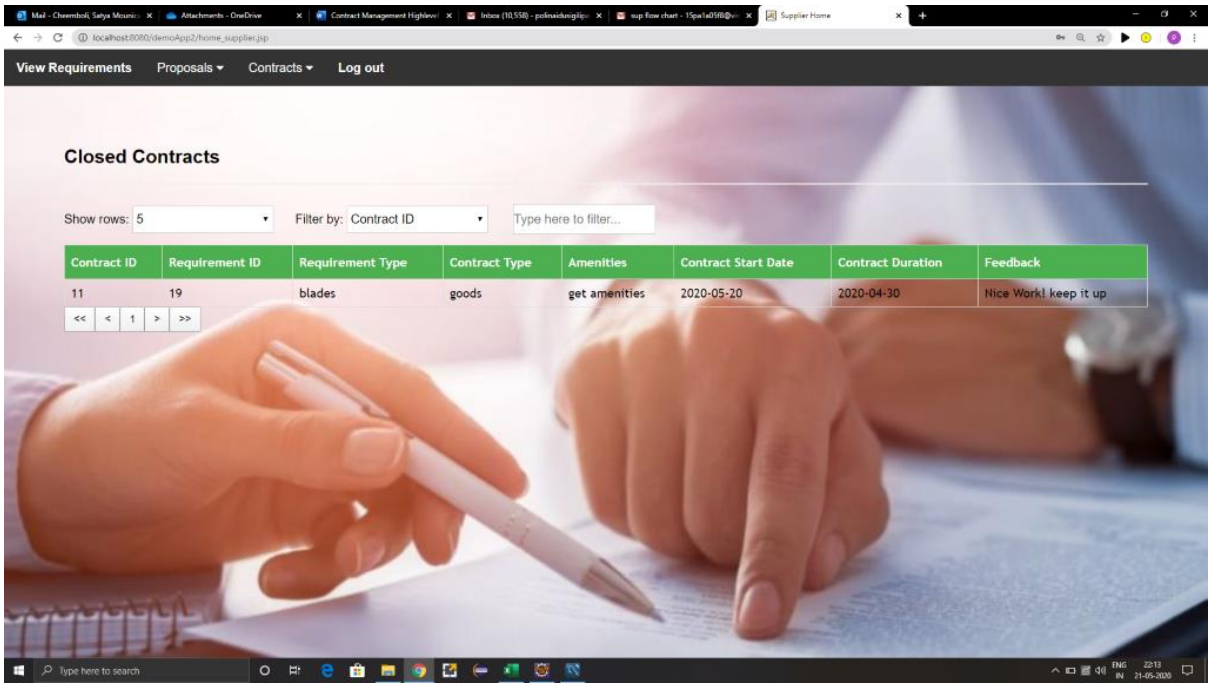
## Active Contracts




## Inactive Contracts

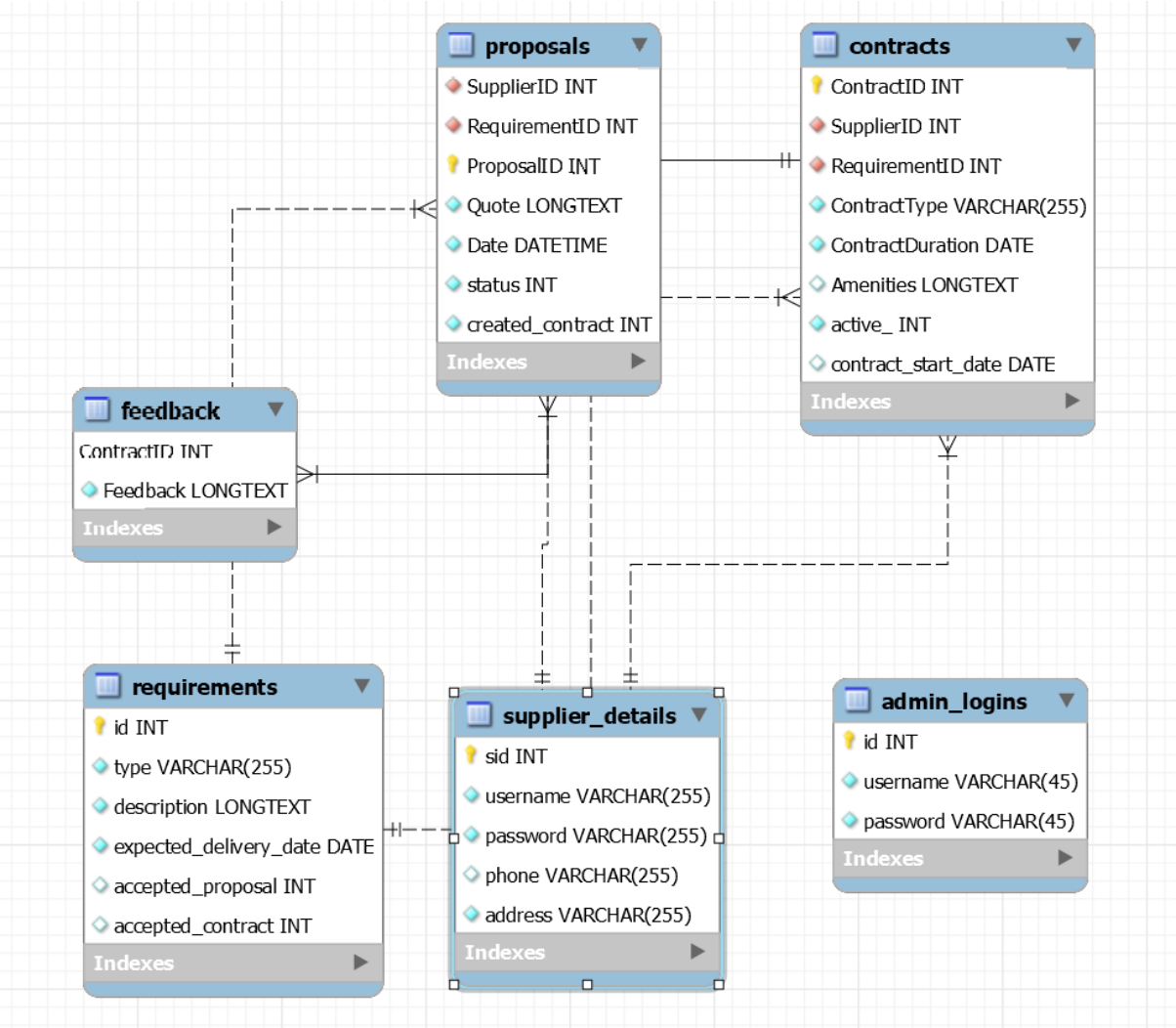


## Closed Contracts



# Database Design

## Data Model



# Table Structures

## Admin Table

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| id | int | NO | PRI | NULL | |
| username | varchar(45) | NO | | NULL | |
| password | varchar(45) | NO | | NULL | |

## Supplier Details

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| sid | int | NO | PRI | NULL | auto_increment |
| username | varchar(255) | NO | UNI | NULL | |
| password | varchar(255) | NO | | NULL | |
| phone | varchar(255) | YES | | NULL | |
| address | varchar(255) | NO | | NULL | |

## Requirements

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| id | int | NO | PRI | NULL | auto_increment |
| type | varchar(255) | NO | | NULL | |
| description | longtext | NO | | NULL | |
| expected_delivery_date | date | NO | | NULL | |
| accepted_proposal | int | YES | | NULL | |
| accepted_contract | int | YES | | NULL | |

## Proposals

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| SupplierID | int | NO | MUL | NULL | |
| RequirementID | int | NO | MUL | NULL | |
| ProposalID | int | NO | PRI | NULL | auto_increment |
| Quote | longtext | NO | | NULL | |
| Date | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| status | int | NO | | NULL | |
| created_contract | int | NO | | 0 | |

### Contracts

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| ContractID | int | NO | PRI | NULL | auto_increment |
| SupplierID | int | NO | MUL | NULL | |
| RequirementID | int | NO | MUL | NULL | |
| ContractType | varchar(255) | NO | | NULL | |
| ContractDuration | date | NO | | NULL | |
| Amenities | longtext | YES | | NULL | |
| active_ | int | NO | | NULL | |
| contract_start_date | date | YES | | NULL | |

### Feedback

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| ContractID | int | NO | PRI | NULL | |
| Feedback | longtext | NO | | NULL | |

## Appendices

### Glossary

| **Acronyms** | **Definitions** |
|---|---|
| HTML | Hyper Text Markup Language |
| CSS | Cascading Style Sheet |
| JS | Java Script |
| SQL | Structured Query Language |
| JSP and Servlets | Java Server Page and Servlets |