

Contract Management

Technical Design Document

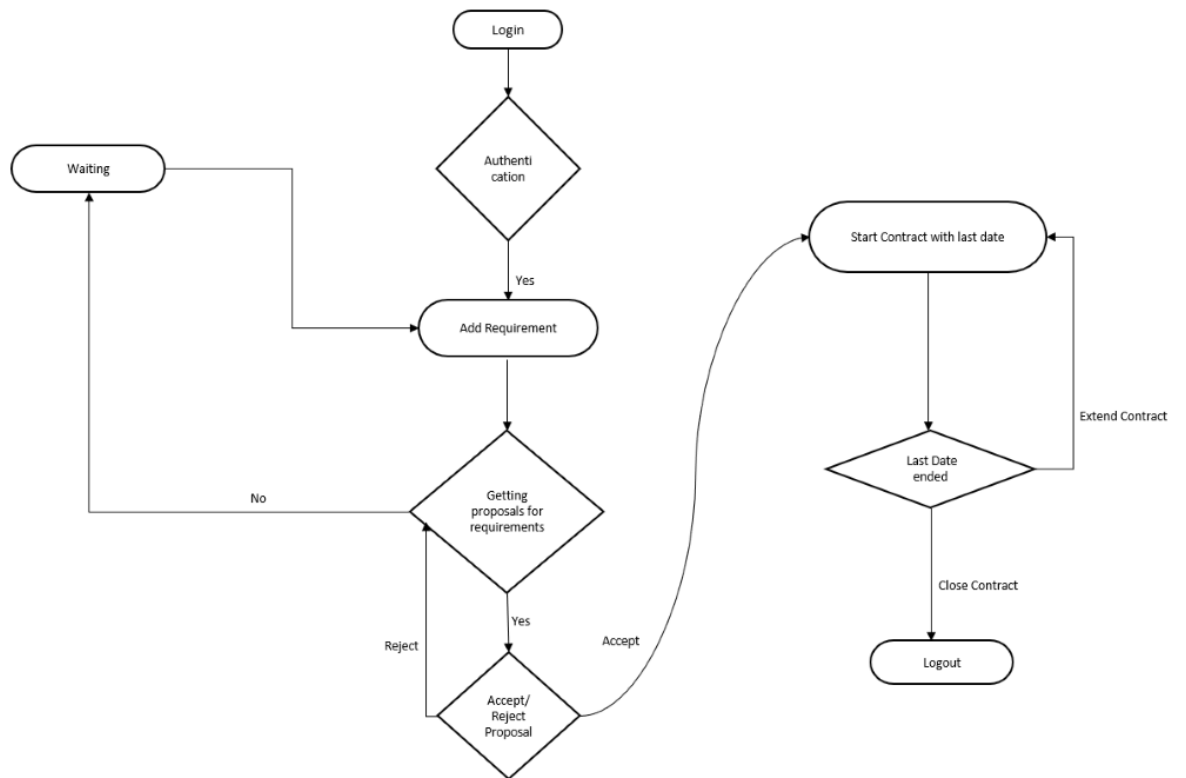
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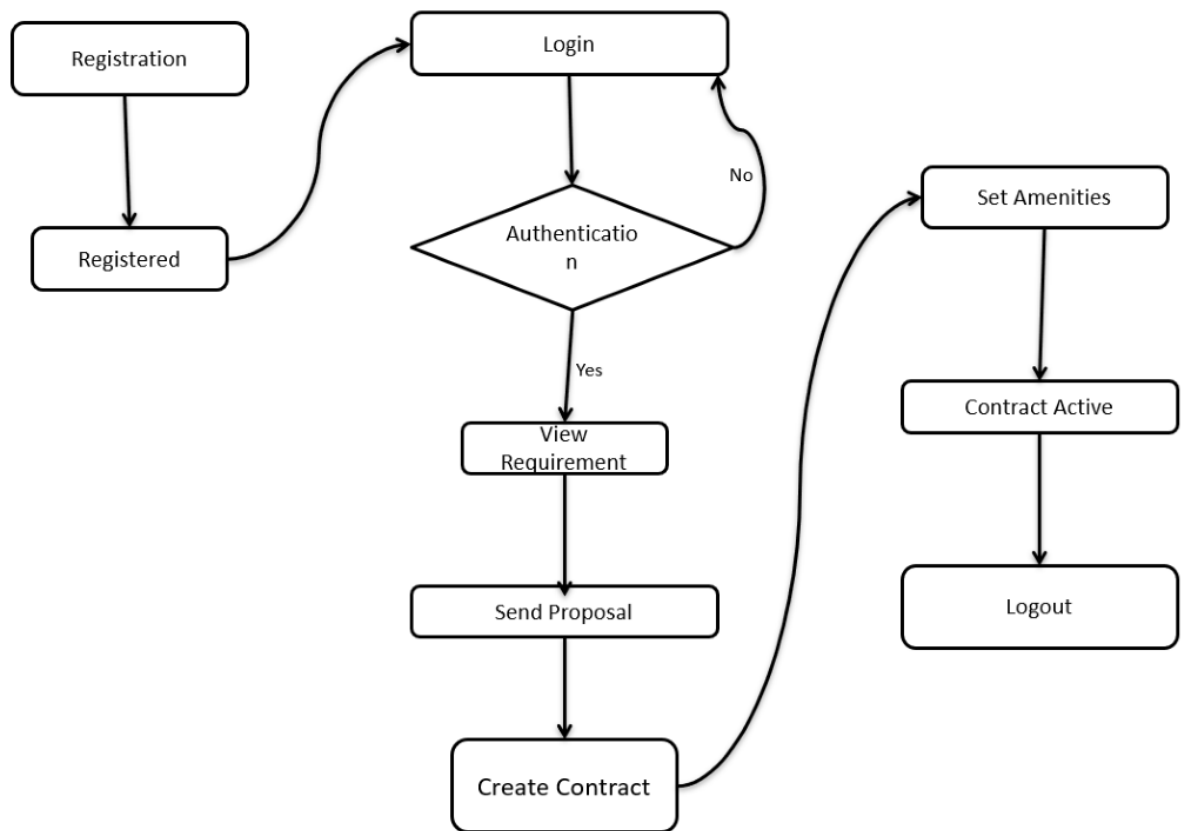
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Schematic Diagram

Admin Flow Chart

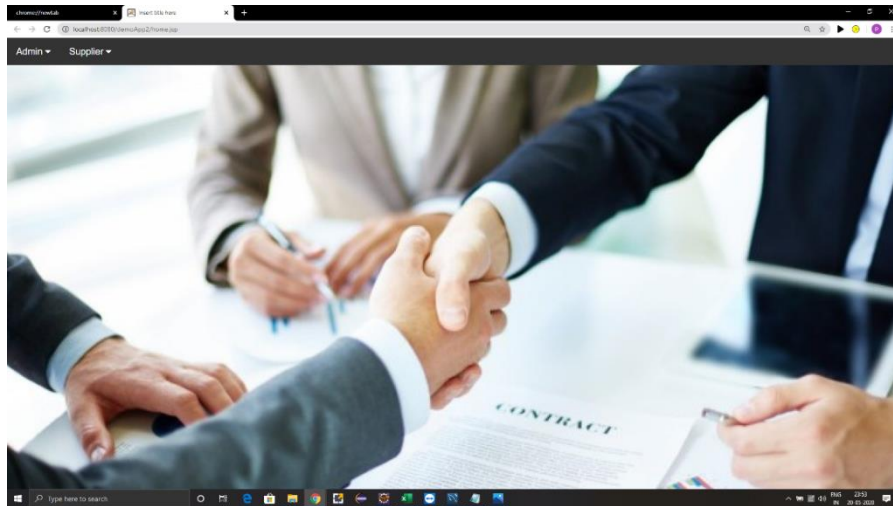


Supplier Flow Chart



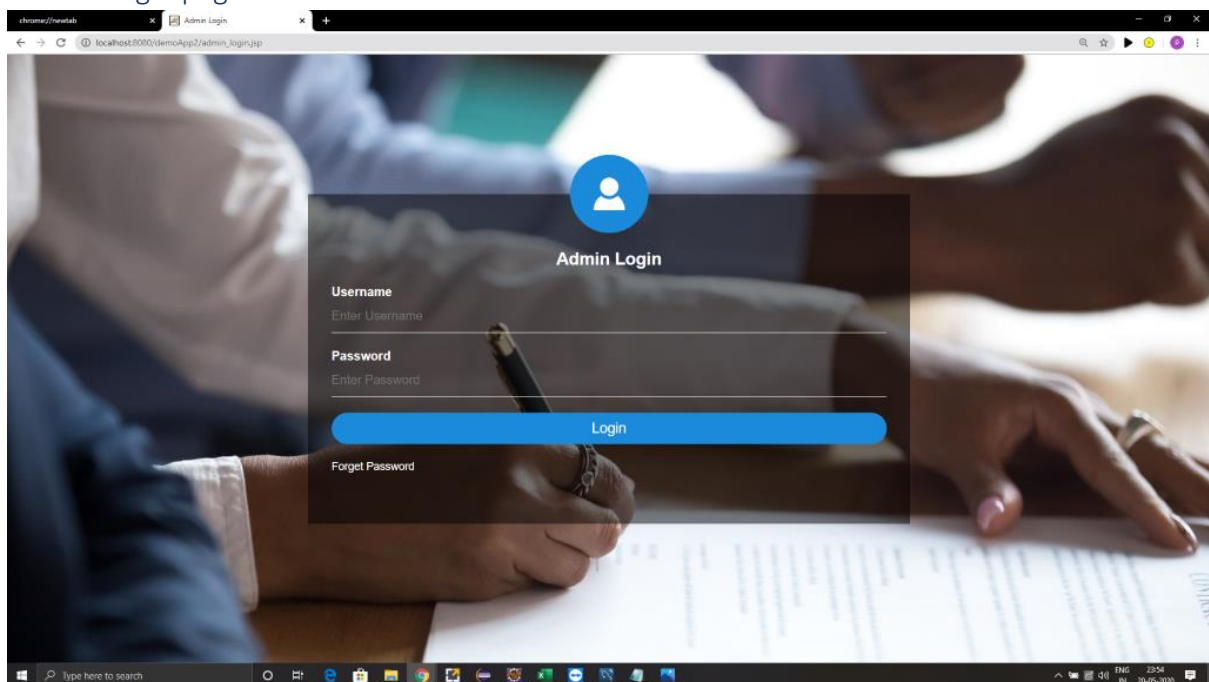
System Design

Home page



Admin side pages

Admin Login page



Add Requirement

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

The screenshot shows the 'Add Requirements' form in the Admin Home interface. The form has three input fields: 'Requirement Type', 'Description', and 'Expected Delivery date'. Below these fields is a green 'Post' button. The background of the form is a blurred image of hands writing on a document.

Requirements ▾ Proposals ▾ Contracts ▾ Suppliers Log out

Add Requirements

Requirement Type
Enter requirement type

Description
Enter description

Expected Delivery date
dd-mm-yyyy

Post

View Requirement

This is to view all requirements which were posted previously.

The screenshot shows the 'View Requirements' table in the Admin Home interface. The table has five columns: 'Requirement id', 'Requirement Type', 'Description', 'Expected Date of Delivery', and 'Accepted Proposal to this Requirement'. There are five rows of data. Above the table, there are filters for 'Show rows' (set to 5), 'Filter by' (set to Requirement id), and a search box 'Type here to filter...'. Below the table is a pagination control showing '1' as the current page.

Requirements ▾ Proposals ▾ Contracts ▾ Suppliers Log out

View Requirements

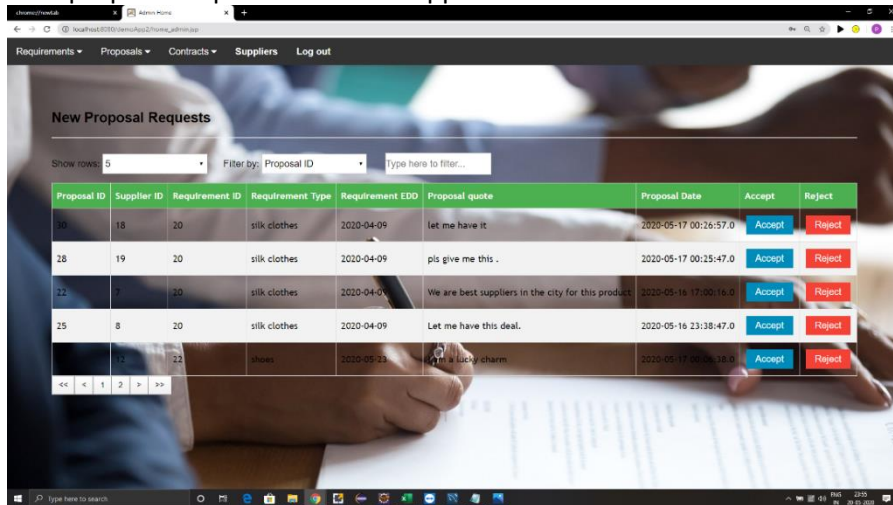
Show rows: 5 Filter by: Requirement id Type here to filter...

Requirement id	Requirement Type	Description	Expected Date of Delivery	Accepted Proposal to this Requirement
16	clothes	want branded clothes supply wholesale	2020-05-24	Yes
17	brushes	want 10000 brushes sent per month	2020-05-14	Yes
18	clothes	women clothing all types of wears wanted.	2020-05-23	Yes
19	blades	razors and trimmers	2020-05-17	Yes
20	silk clothes	silk clothing for men and women wanted.	2020-04-09	No

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New Proposal Requests

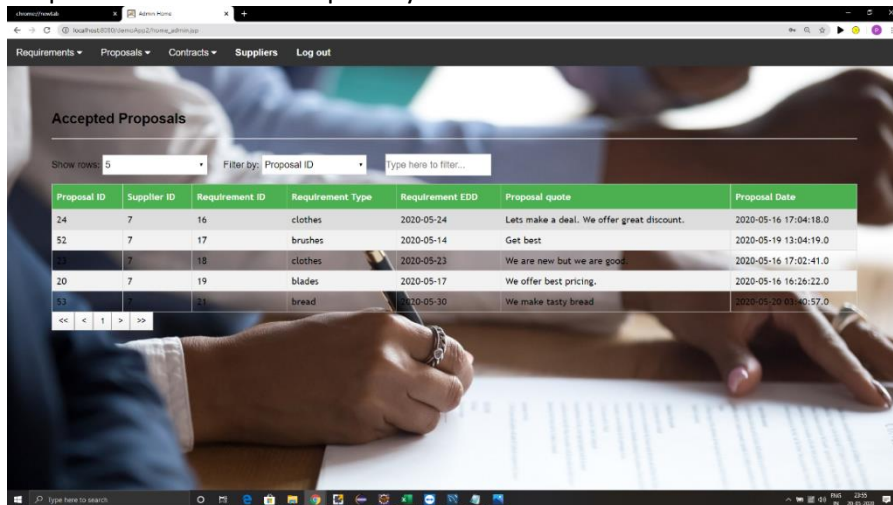
New proposal requests from the supplier.



Proposal ID	Supplier ID	Requirement ID	Requirement Type	Requirement EDD	Proposal quote	Proposal Date	Accept	Reject
30	18	20	silk clothes	2020-04-09	let me have it	2020-05-17 00:26:57.0	Accept	Reject
28	19	20	silk clothes	2020-04-09	pls give me this .	2020-05-17 00:35:47.0	Accept	Reject
22	7	20	silk clothes	2020-04-09	We are best suppliers in the city for this product	2020-05-16 17:30:16.0	Accept	Reject
25	8	20	silk clothes	2020-04-09	Let me have this deal.	2020-05-16 23:38:47.0	Accept	Reject
12	12	22	shoes	2020-05-23	I am a lucky charm	2020-05-17 00:26:18.0	Accept	Reject

Accepted Requests

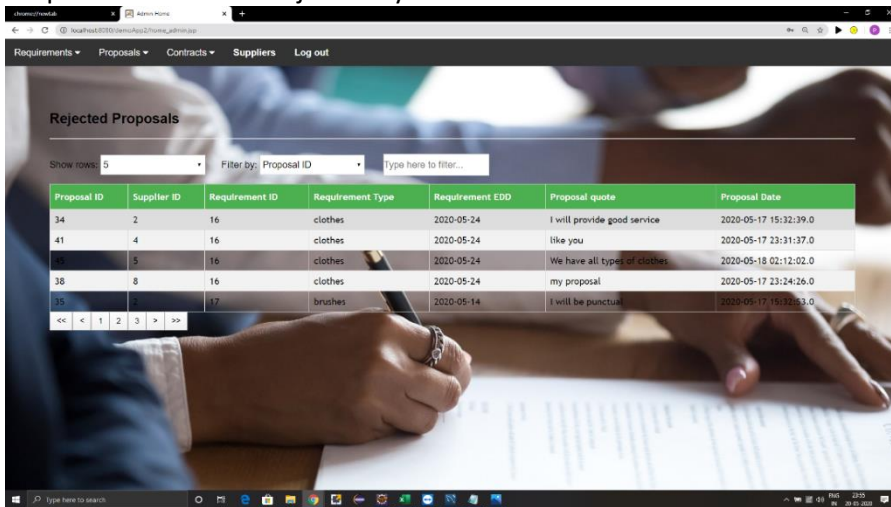
Proposals which were accepted by the admin.



Proposal ID	Supplier ID	Requirement ID	Requirement Type	Requirement EDD	Proposal quote	Proposal Date
24	7	16	clothes	2020-05-24	Lets make a deal. We offer great discount.	2020-05-16 17:04:18.0
52	7	17	brushes	2020-05-14	Get best	2020-05-19 13:04:19.0
17	7	18	clothes	2020-05-23	We are new but we are good	2020-05-16 17:02:41.0
20	7	19	blades	2020-05-17	We offer best pricing.	2020-05-16 16:26:22.0
53	7	21	bread	2020-05-30	We make tasty bread	2020-05-20 03:40:57.0

Rejected Requests

Proposals which were rejected by the admin.

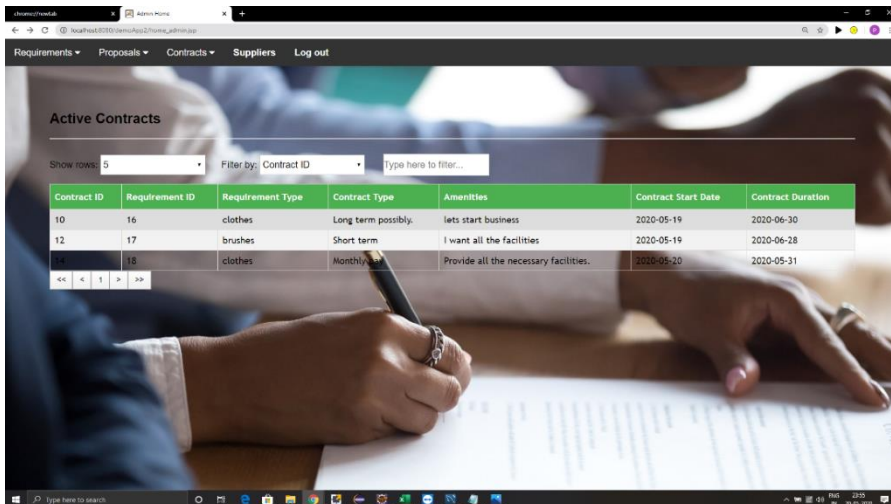


Rejected Proposals

Show rows: 5 Filter by: Proposal ID Type here to filter...

Proposal ID	Supplier ID	Requirement ID	Requirement Type	Requirement EDD	Proposal quote	Proposal Date
34	2	16	clothes	2020-05-24	I will provide good service	2020-05-17 15:32:39.0
41	4	16	clothes	2020-05-24	I like you	2020-05-17 23:31:37.0
35	5	16	clothes	2020-05-24	We have all types of clothes	2020-05-18 02:12:02.0
38	8	16	clothes	2020-05-24	my proposal	2020-05-17 23:24:26.0
35	1	17	brushes	2020-05-14	I will be punctual	2020-05-17 15:32:33.0

Active Contracts



Active Contracts

Show rows: 5 Filter by: Contract ID Type here to filter...

Contract ID	Requirement ID	Requirement Type	Contract Type	Amenities	Contract Start Date	Contract Duration
10	16	clothes	Long term possibly.	I want to start business	2020-05-19	2020-06-30
12	17	brushes	Short term	I want all the facilities	2020-05-19	2020-06-28
13	18	clothes	Monthly	Provide all the necessary facilities.	2020-05-20	2020-05-31

Closed Contracts

chrome://newtabAdmin Homelocalhost:8080/demoApp2/home_admin.jspRequirementsProposalsContractsSuppliersLog out

Closed Contracts

Show rows: 5Filter by: Contract IDType here to filter...

Contract ID	Requirement ID	Requirement Type	Contract Type	Amenities	Contract Start Date	Contract Duration	Feedback
11	19	blades	goods	get amenities	2020-05-20	2020-04-30	Nice Work! keep it up

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Active Supplier Details

chrome://newtabAdmin Homelocalhost:8080/demoApp2/home_admin.jspRequirementsProposalsContractsSuppliersLog out

Active Supplier Details

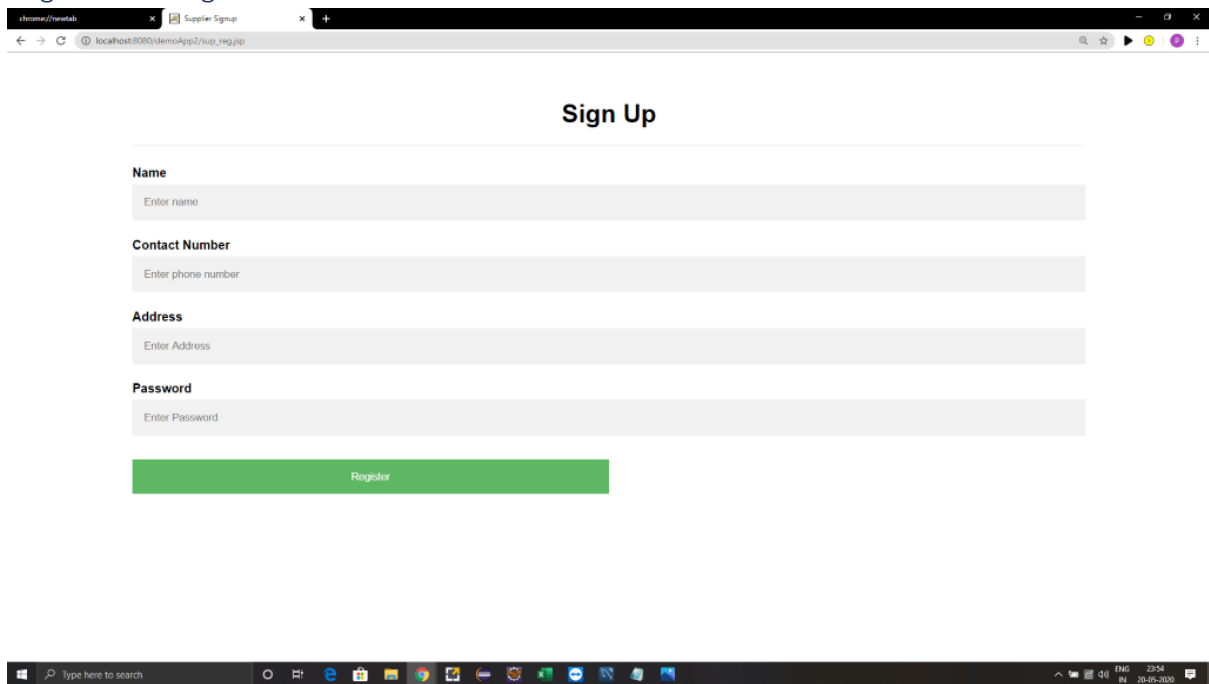
Show rows: 5Filter by: Supplier IDType here to filter...

Supplier ID	Supplier Name	Supplier Phone	Contract ID	Contract Type
7	poli	8520920926	10	Long term possibly.
7	poli	8520920926	12	Short term
7	poli	8520920926	14	Monthly pay

<<<1>>>

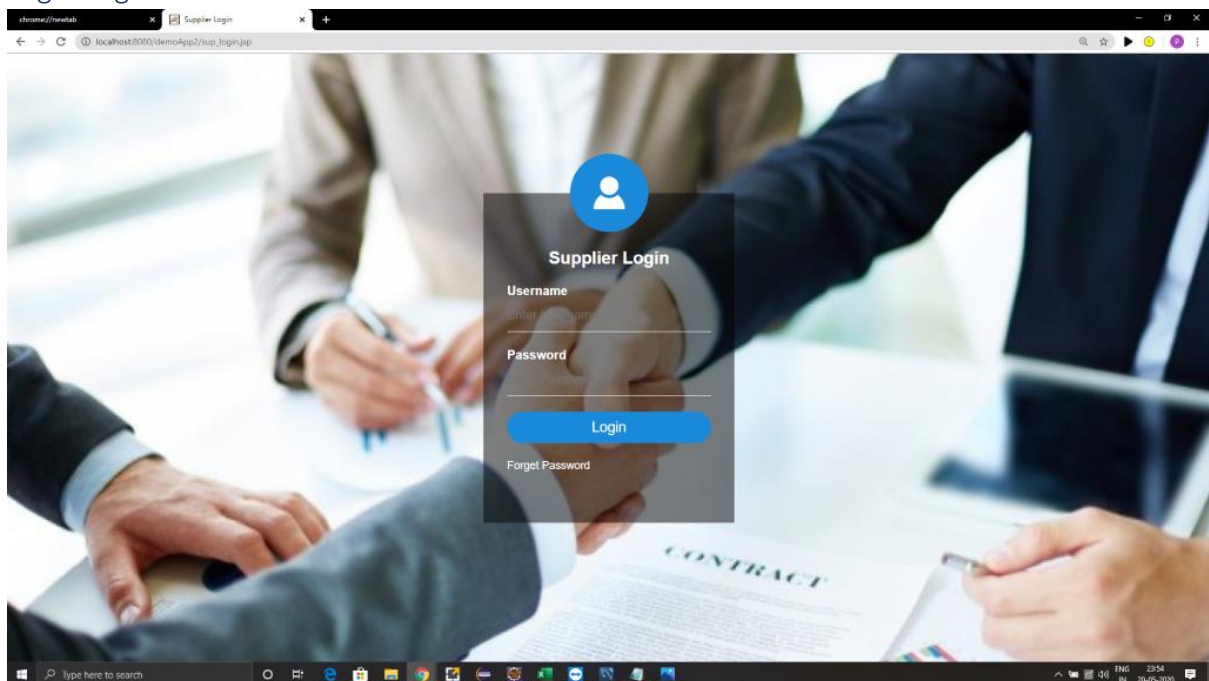
Supplier Side Pages

Registration Page



The screenshot shows a web browser window with the address bar displaying "localhost:3030/demoApp2/sup_reg.jsp". The page title is "Supplier Sign up". The main heading is "Sign Up". Below the heading, there are four input fields with labels: "Name" (placeholder: "Enter name"), "Contact Number" (placeholder: "Enter phone number"), "Address" (placeholder: "Enter Address"), and "Password" (placeholder: "Enter Password"). At the bottom of the form is a green button labeled "Register". The browser's taskbar at the bottom shows the Windows search bar and various application icons.

Login Page



The screenshot shows a web browser window with the address bar displaying "localhost:3030/demoApp2/sup_login.jsp". The page title is "Supplier Login". The background image shows business people in a meeting. Overlaid on the background is a login form with a blue circular icon containing a white person silhouette. The form has the title "Supplier Login" and two input fields: "Username" (placeholder: "Enter Username") and "Password" (placeholder: "Enter Password"). Below the fields is a blue button labeled "Login". At the bottom of the form is a link labeled "Forget Password". The browser's taskbar at the bottom shows the Windows search bar and various application icons.

View Requirements

View Requirements Proposals Contracts Log out

Requirements from Admin

Show rows: 5 Filter by: Requirement Id Type here to filter...

Requirement id	Requirement Type	Description	Expected Date of Delivery	Create Proposal
23	nike model shoes	CR7 branded shoes wanted	2020-05-23	Create Proposal
24	cricket bats	urgent...	2020-06-23	Create Proposal
27	CHOCOLATES	dark chocolates ,cadbury,milk chocolates	2020-06-19	Create Proposal

<< < 1 > >>

Sent and Accepted Proposals

View Requirements Proposals Contracts Log out

Sent and Accepted

Show rows: 5 Filter by: Proposal ID Type here to filter...

Proposal ID	Requirement ID	Requirement Type	Requirement EDD	Proposal quote	Proposal Date	Create Contract
20	19	blades	2020-05-17	We offer best pricing.	2020-05-16 16:26:22.0	Already created
53	21	bread	2020-05-30	We make tasty bread	2020-05-20 03:40:57.0	Already created
23	18	clothes	2020-05-23	We are new but we are good.	2020-05-16 17:02:41.0	Already created
24	16	clothes	2020-05-24	Lets make a deal. We offer great discount.	2020-05-16 17:04:18.0	Already created
59	28	Specticals	2020-07-04	I have 3 boxes of specs	2020-05-21 15:13:30.0	Already created

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Sent and Rejected Proposals

The screenshot shows a web application interface for managing proposals. The top navigation bar includes links for 'View Requirements', 'Proposals', 'Contracts', and 'Log out'. The main heading is 'Sent and Rejected'. Below this, there are filters for 'Show rows: 5' and 'Filter by: Proposal ID', along with a search input field. A table displays two rows of proposal data. The table has columns for Proposal ID, Requirement ID, Requirement Type, Requirement EDD, Proposal quote, and Proposal Date. The first row shows Proposal ID 21, Requirement ID 22, Requirement Type 'shoes', Requirement EDD '2020-05-23', Proposal quote 'We offer best quality', and Proposal Date '2020-05-16 16:59:01.0'. The second row shows Proposal ID 22, Requirement ID 20, Requirement Type 'silk clothes', Requirement EDD '2020-04-09', Proposal quote 'We are best suppliers in the city for this product', and Proposal Date '2020-05-16 17:00:16.0'. Below the table is a pagination control showing '<<' and '>>' buttons.

Proposal ID	Requirement ID	Requirement Type	Requirement EDD	Proposal quote	Proposal Date
21	22	shoes	2020-05-23	We offer best quality	2020-05-16 16:59:01.0
22	20	silk clothes	2020-04-09	We are best suppliers in the city for this product	2020-05-16 17:00:16.0

Created Contracts

The screenshot shows a web application interface for managing contracts. The top navigation bar includes links for 'View Requirements', 'Proposals', 'Contracts', and 'Log out'. The main heading is 'Created Contracts'. Below this, there are filters for 'Show rows: 5' and 'Filter by: Contract ID', along with a search input field. A table displays one row of contract data. The table has columns for Contract ID, Requirement ID, Requirement Type, Contract Type, Contract Duration, and Set Amenities. The first row shows Contract ID 13, Requirement ID 21, Requirement Type 'bread', Contract Type 'Weekly pay.', Contract Duration '2020-07-31', and a 'set amenities' button. Below the table is a pagination control showing '<<' and '>>' buttons.

Contract ID	Requirement ID	Requirement Type	Contract Type	Contract Duration	Set Amenities
13	21	bread	Weekly pay.	2020-07-31	<button>set amenities</button>

Active Contracts

View Requirements Proposals Contracts Log out

Active Contracts

Show rows: 5 Filter by: Contract ID Type here to filter...

Contract ID	Requirement ID	Requirement Type	Contract Type	Amenities	Contract Start Date	Contract Duration
10	16	clothes	Long term possibly.	lets start business	2020-05-19	2020-06-30
12	17	brushes	Short term	I want all the facilities	2020-05-19	2020-06-28
14	18	clothes	Monthly pay	Provide all the necessary facilities.	2020-05-20	2020-05-31

<< < 1 > >>

Inactive Contracts

View Requirements Proposals Contracts Log out

Inactive Contracts

Show rows: 5 Filter by: Contract ID Type here to filter...

Contract ID	Requirement ID	Requirement Type	Contract Type	Amenities	Contract Start Date	Contract Duration
18	28	Specticals	half month pay	will provide all 3 boxes	2020-05-21	2020-05-12

<< < 1 > >>

Closed Contracts

The screenshot shows a web application interface for managing contracts. The background is a blurred image of hands signing a document. The interface includes a navigation bar with links to 'View Requirements', 'Proposals', 'Contracts', and 'Log out'. Below the navigation bar, the title 'Closed Contracts' is displayed. A filter section allows users to 'Show rows' (set to 5) and 'Filter by' (set to 'Contract ID'), with a search input field. A table displays the following data:

Contract ID	Requirement ID	Requirement Type	Contract Type	Amenities	Contract Start Date	Contract Duration	Feedback
11	19	blades	goods	get amenities	2020-05-20	2020-04-30	Nice Work! keep it up

Below the table, there are navigation controls: '<<', '<', '1', '>', and '>>'. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system clock (22:13 on 21-05-2020).

Database Design

Data Model

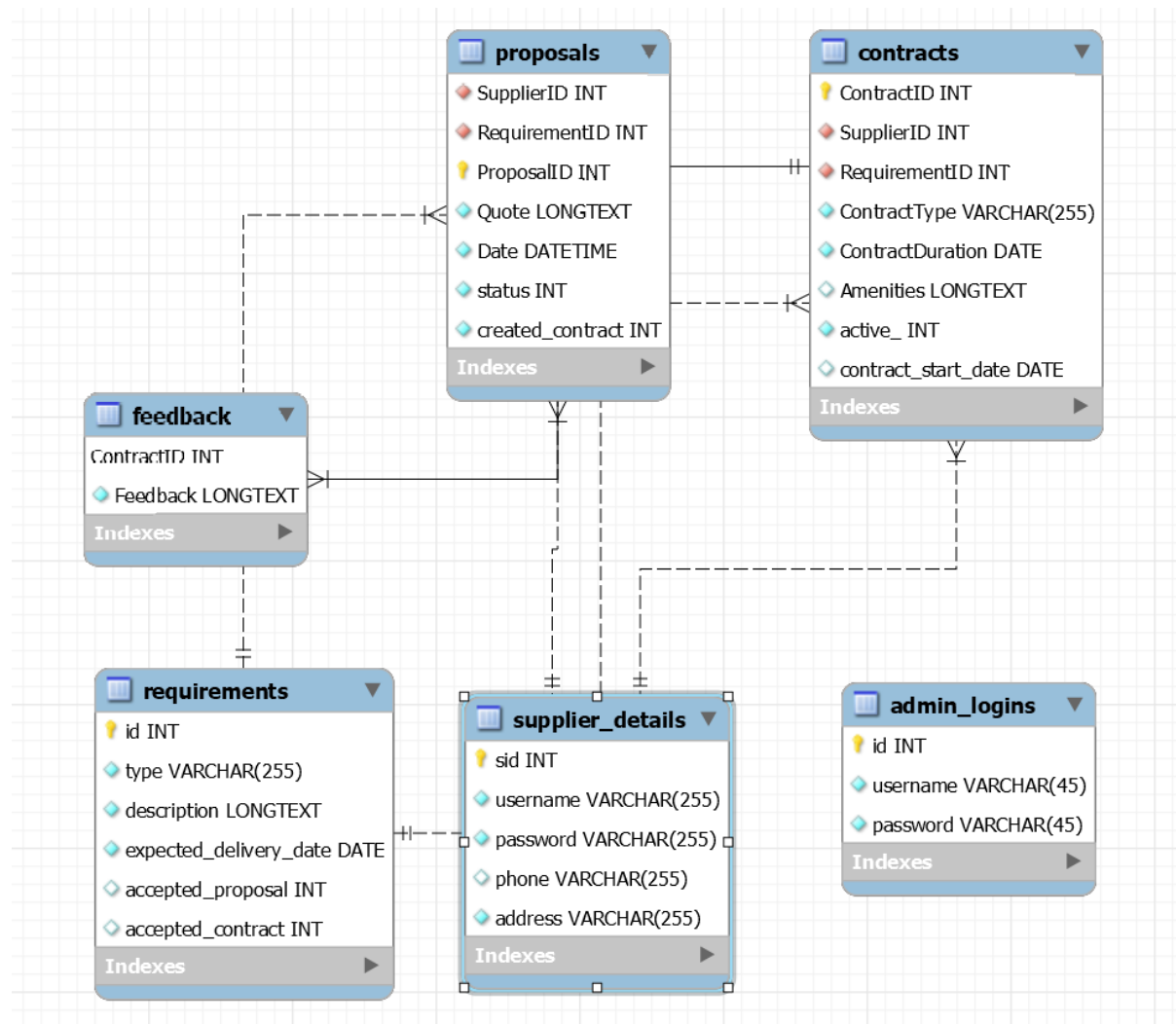


Table Structures

Admin Table

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	<small>NULL</small>	
	username	varchar(45)	NO		<small>NULL</small>	
	password	varchar(45)	NO		<small>NULL</small>	

Supplier Details

	Field	Type	Null	Key	Default	Extra
►	sid	int	NO	PRI	<small>NULL</small>	auto_increment
	username	varchar(255)	NO	UNI	<small>NULL</small>	
	password	varchar(255)	NO		<small>NULL</small>	
	phone	varchar(255)	YES		<small>NULL</small>	
	address	varchar(255)	NO		<small>NULL</small>	

Requirements

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	<small>NULL</small>	auto_increment
	type	varchar(255)	NO		<small>NULL</small>	
	description	longtext	NO		<small>NULL</small>	
	expected_delivery_date	date	NO		<small>NULL</small>	
	accepted_proposal	int	YES		<small>NULL</small>	
	accepted_contract	int	YES		<small>NULL</small>	

Proposals

	Field	Type	Null	Key	Default	Extra
►	SupplierID	int	NO	MUL	<small>NULL</small>	
	RequirementID	int	NO	MUL	<small>NULL</small>	
	ProposalID	int	NO	PRI	<small>NULL</small>	auto_increment
	Quote	longtext	NO		<small>NULL</small>	
	Date	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
	status	int	NO		<small>NULL</small>	
	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