



School of Computer Science Engineering and Information Systems (SCORE)

**Department of Software and Systems Engineering
Department of Information Technology**

“Online Application for Real Estate Brokering” (Topic No. 6)

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Online Application for Real Estate Brokering

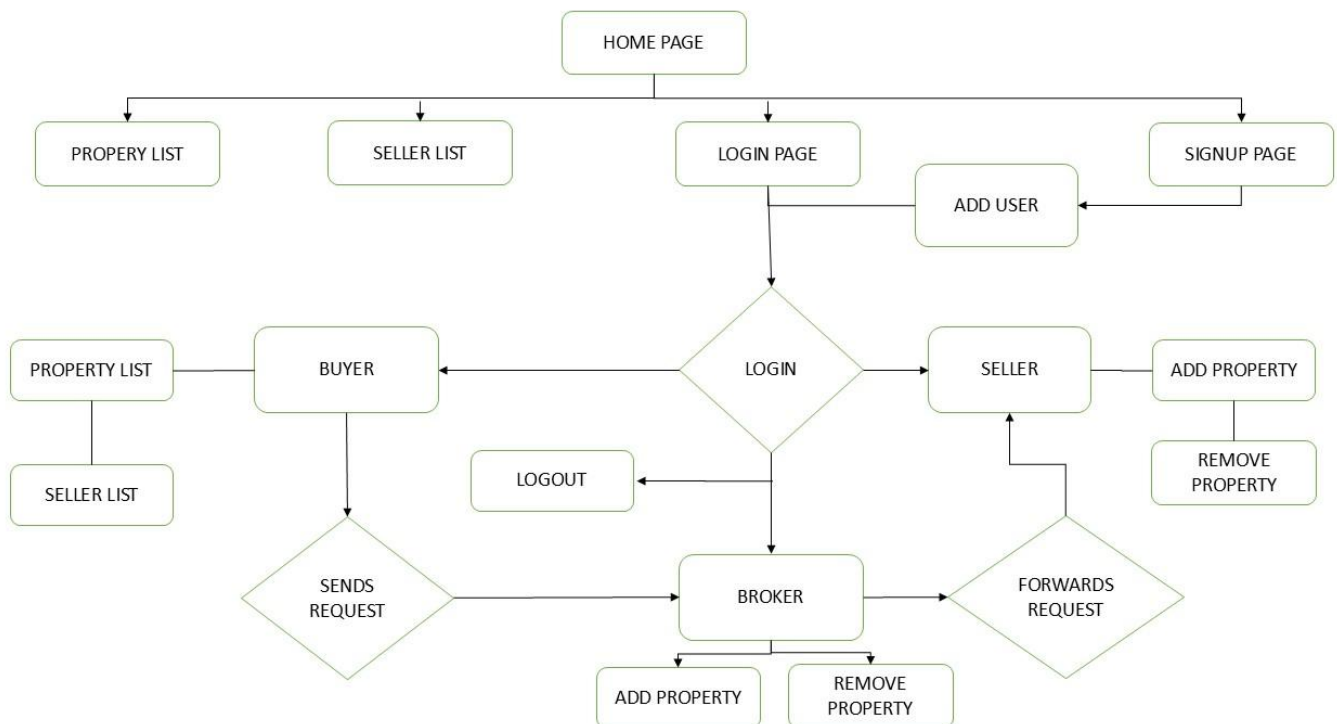
Abstract:

This project is a “Online Application Real Estate Brokering” built using Java2EE technologies, including JSP, Servlets, JDBC, Java Beans and MySQL. The goal of this application is to provide an easy-to-use platform where buyers and sellers of properties can interact, with admins overseeing the process. There are several modules which are present in this application depending upon the type of users.

Technology Used:

- i. Java
- ii. MySQL
- iii. JDBC
- iv. JSP
- v. HTML / CSS
- vi. Tomcat Apache
- vii. Net Beans IDE

Process Flow Diagram:



Database Design:

Buyers Table:

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	NULL	auto_increment
	name	varchar(100)	YES		NULL	
	email	varchar(100)	YES		NULL	
	property_id	int	YES		NULL	

Interestedproperties Table:

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	NULL	auto_increment
	property_id	int	YES	MUL	NULL	
	buyer_name	varchar(255)	YES		NULL	
	buyer_email	varchar(255)	YES		NULL	
	interest_date	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED

Properties Table:

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	NULL	auto_increment
	name	varchar(100)	YES		NULL	
	price	decimal(10,2)	YES		NULL	
	seller_id	int	YES	MUL	NULL	

Users Table:

	Field	Type	Null	Key	Default	Extra
►	id	int	NO	PRI	NULL	auto_increment
	username	varchar(50)	YES	UNI	NULL	
	password	varchar(50)	YES		NULL	
	role	varchar(10)	YES		NULL	
	email	varchar(20)	YES		NULL	

Modules:

- i. Login/SignUp
- ii. Dashboard
- iii. Real Estate Broker
- iv. Seller
- v. Buyer

1. **Login/SignUp:** Handles user authentication and registration for three types of users: Admin, Buyer, and Seller.

2. **Buyers:** Buyers can log in, view available properties based on location and price, and express interest in properties they wish to buy.

3. **Sellers:** Sellers can log in to list new properties for sale, remove their properties, and view interested buyers.

4. **Broker:** Broker manage the overall system, including managing both buyers and sellers, and overseeing property transactions.

The application allows users to sign up, log in, and get directed to personalized dashboards based on their roles (buyer, seller, or admin). The project also uses a MySQL database to store user information, property listings, and transaction records.

The project uses JDBC for database interactions, HTML/CSS for frontend design, and JSP/Servlets for backend logic, providing a complete web application for managing real estate brokering.