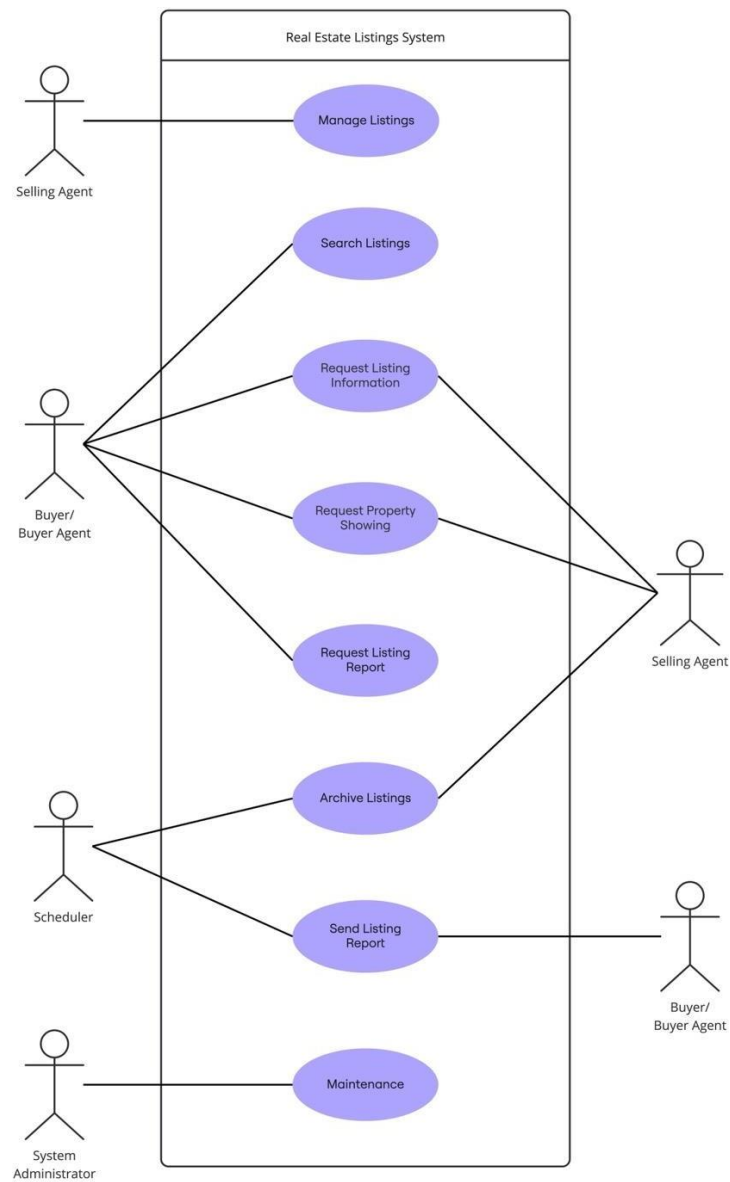


Use Case Diagram

1) Use Case Diagram



2) Listing System Description

2a) System Description

System	Description
Real Estate Listing System	System that allows real estate selling agent and buyer/ buyer agent to connect and facilitate transactions. Selling Agent can manage listings, receive listing enquiry, receive property showing request and receive listing expiration notification. While Buyer/ Buyer Agent can search and view listings, request additional listing information, request property showing, request and receive listing report.

2b) Actor Description

Actor	Description
Selling Agent	User who can access the listing system to manage listings, receive listing enquiry, receive property showing request and receive listing expiration notification.
Buyer/ Buyer Agent	User who can access the listing system to search and view listings, request additional listing information, request property showing, request and receive listing report.
Scheduler	Automated time-based events for the listing system to archive listings and send listing report to buyer/ buyer agent.
System Administrator	User who can access the listing system to perform maintenance tasks.

2c) Use Case Description

Use Case	Description
Manage Listings	Describes a process where selling agent creates, updates, removes and renews real estate listings by providing property information.

Search Listings	Describes a process where buyer/ buyer agent searches and views listings based on certain search criteria. System retrieves and displays listings that match the search criteria.
Request Listing Information	Describes a process where buyer/ buyer agent requests additional information about the listings. System sends a text notification to the selling agent regarding the listing enquiry.
Request Property Showing	Describes a process where buyer/ buyer agent submits a request for property showing. System sends a notification to the selling agent regarding the property showing request.
Request Listing Report	Describes a process where buyer/ buyer agent submits a request to receive listing report at pre-defined time interval with all listings matching certain search criteria.
Archive Listings	Describes a process where scheduler moves expired listings to 'inactive' status at a pre-defined time interval. System sends a notification to the selling agent regarding the listings nearing archival stage.
Send Listing Report	Describe a process where scheduler sends listing report to buyer/ buyer agent for the listings that match their search criteria at a pre-defined time interval.
Maintenance	Describes a process where system administrator performs system maintenance tasks as well as troubleshoots system errors.