Requirements Analysis

Business Requirements

* Send non-payment notice to renter after 30 days
* Send rental due statement to renter 15 days before
* Send eviction notice to renter 45 days after due
* Web interface for company
* Identify vacant units based on location (city, zip), type
* Project must be expandable and sustainable (maintenance)
* Must have integrated search functionality
* Payment processing?
* Output of payments received, late, upcoming, etc.

Architectural Requirements

* Object-oriented programming code
* All login information needs to be encrypted
* The databases need to be encrypted/authentication
* Must have database workstation and client workstation (separation of privileges)

System and Integration Requirements

* Java JVM needed on server and client workstation
* HTML5 Implementation
* User-friendly/intuitive
* Some form of internet/intranet connection between server and client
* Web browser compatibility

Abuse and Misuse Possibilities

* Misclassification of rental causing wrong rental rate for renter
* Renter could get into system to lower rental rates
* Man-in-the-middle attack between client and server database
* Non-payment after 45-day eviction notice (what happens?)
* Fraudulent payments/identification requirements
* Stealing login information for web UI causing data breach