GROUP 1 ROUND ROCK

CMS: CONDO MANAGEMENT SYSTEM

▸ Project Overview

▸ Methodology
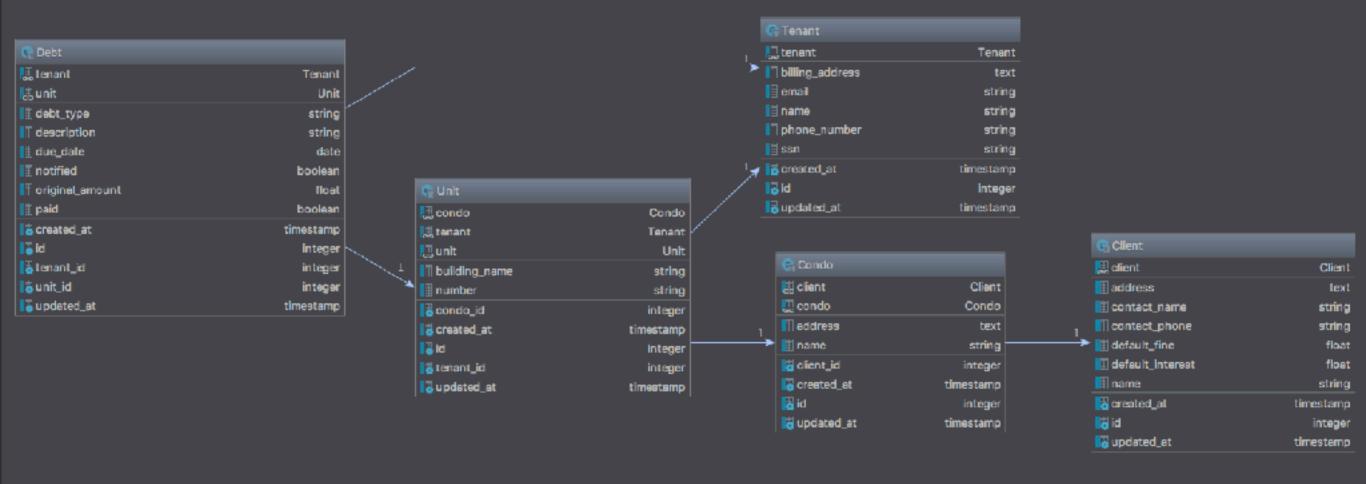
▸ Implementation Details

▸ Demo

PROJECT OVERVIEW

▸ System to manage rental debts and condo fees debts

▸ Ability to update the system by importing a monthly report file

▸ Emit notices for tenants in debt according to a desired criteria (days in debt and amount)

▸ Implemented in Ruby on Rails

  ▸ Ruby 2.3.1

  ▸ Rails 4.2 (MVC framework)

  ▸ Bootstrap for UI

▸ Version Control: Git

METHODOLOGY

▸ Proposal

▸ SRS

▸ Preliminary Class Diagram and Statechart diagram

▸ Implementation with unit tests
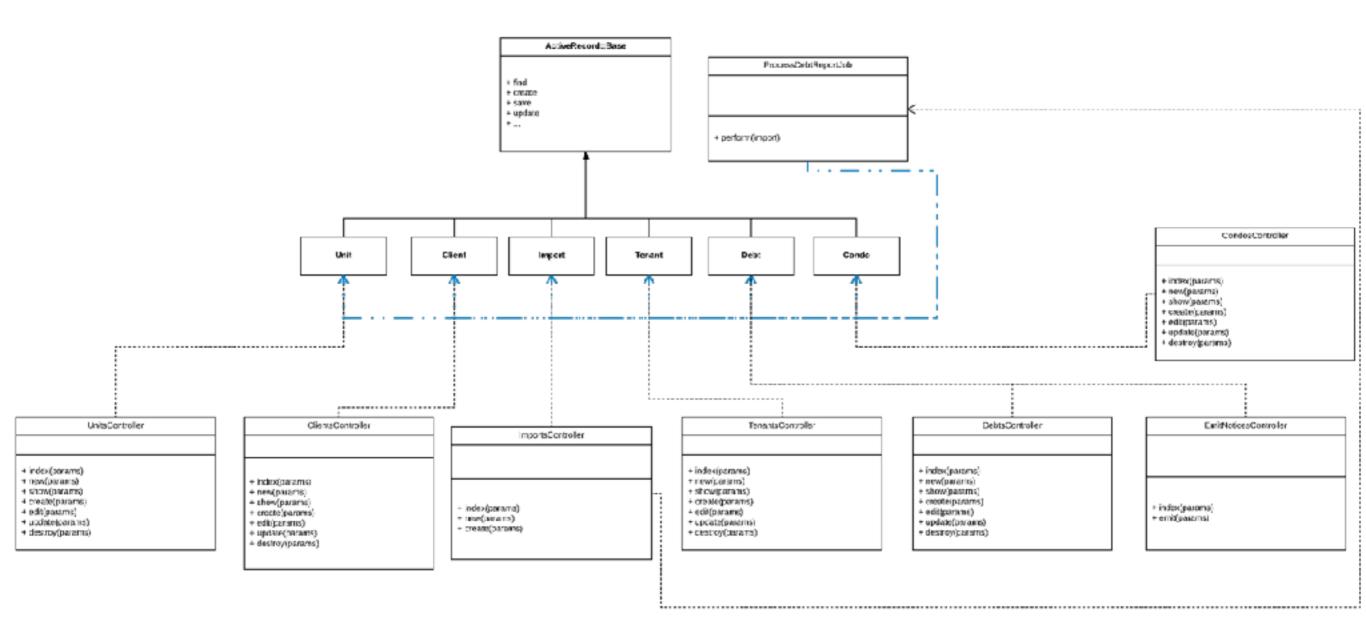
▸ Acceptance tests

▸ Reverse engineered class diagram

IMPLEMENTATION DETAILS

▸ CRUD for Clients, Condos, Units, Tenants and Debts

▸ Took advantage of Ruby on Rails scaffolding

▸ Receive report and process in a delayed job (background task)

▸ Select debts in the UI and notify the tenants in debt via email

▸ 100 unit tests with **RSpec** (will demo)

Debt

tenant	Tenant
unit	Unit
debt_type	string
description	string
due_date	date
notified	boolean
original_amount	float
paid	boolean
created_at	timestamp
id	Integer
tenant_id	integer
unit_id	integer
updated_at	timestamp

Unit

condo	Condo
tenant	Tenant
unit	Unit
building_name	string
number	string
condo_id	integer
created_at	timestamp
id	Integer
tenant_id	integer
updated_at	timestamp

Tenant

tenant	Tenant
billing_address	text
email	string
name	string
phone_number	string
ssn	string
created_at	timestamp
id	Integer
updated_at	timestamp

Condo

client	Client
condo	Condo
address	text
name	string
client_id	integer
created_at	timestamp
id	integer
updated_at	timestamp

Client

client	Client
address	text
contact_name	string
contact_phone	string
default_fine	float
default_interest	float
name	string
created_at	timestamp
id	integer
updated_at	timestamp

User

current_sign_in_at	datetime
email	string
encrypted_password	string
last_sign_in_at	datetime
remember_created_at	datetime
reset_password_sent_at	datetime
reset_password_token	string
sign_in_count	integer
created_at	timestamp
id	Integer
updated_at	timestamp

Import

debt_report	string
status	string
created_at	timestamp
id	integer
updated_at	timestamp

DEMO