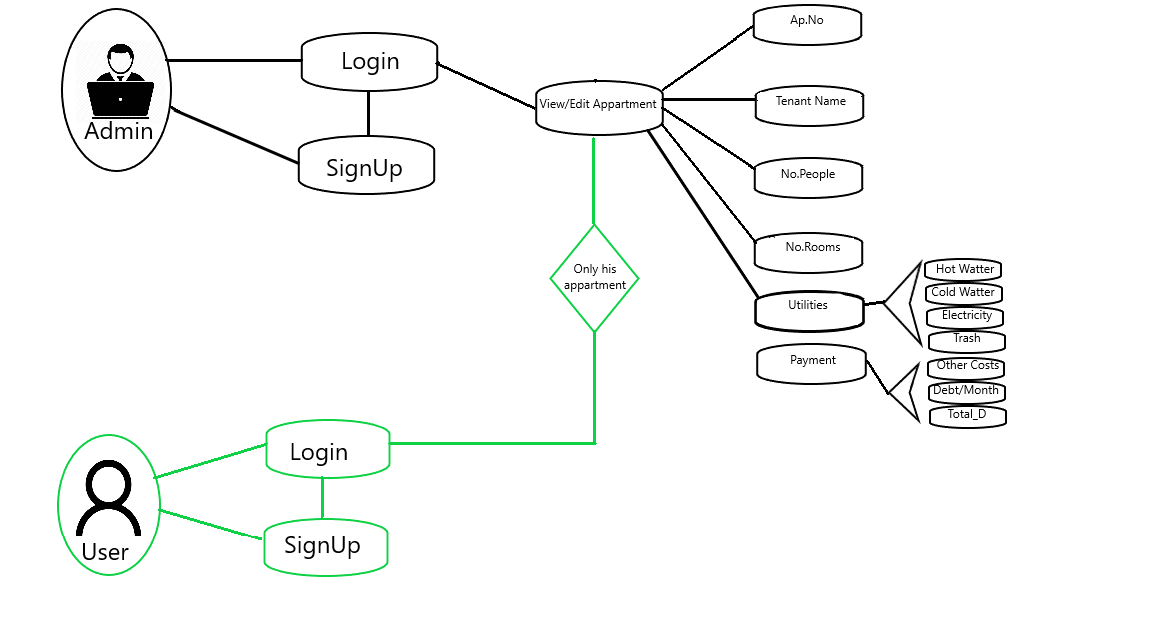
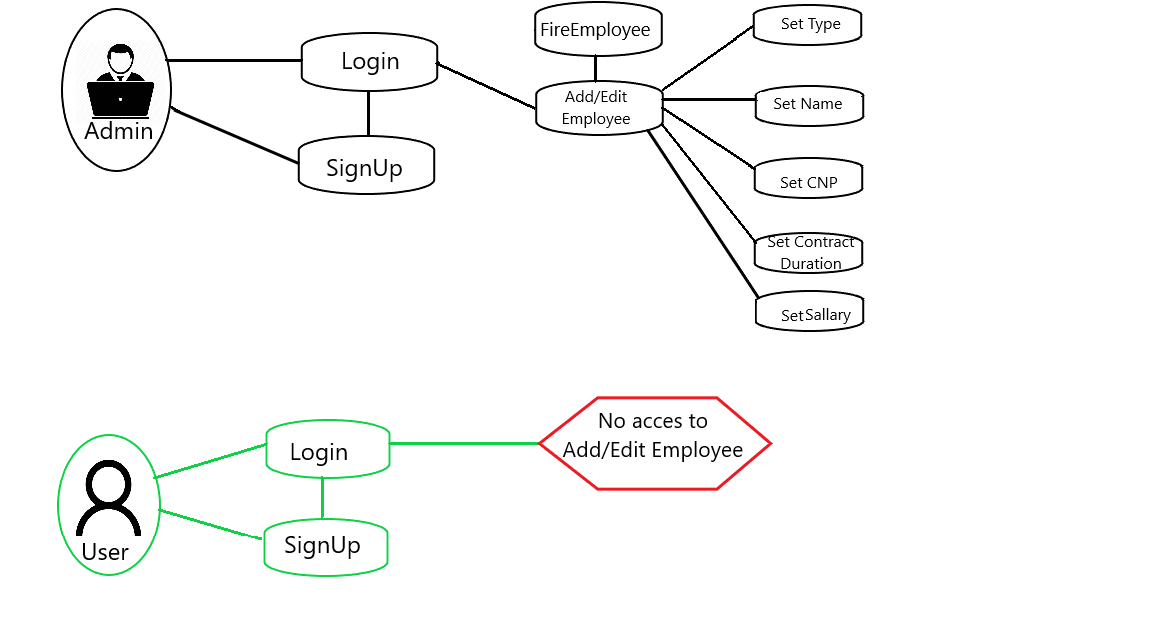
**Software Architecture  
M.T.A.**

**Prepared by Vasile George-Iulian  
Trifu Andrei  
Stefan Adrian-Catalin**

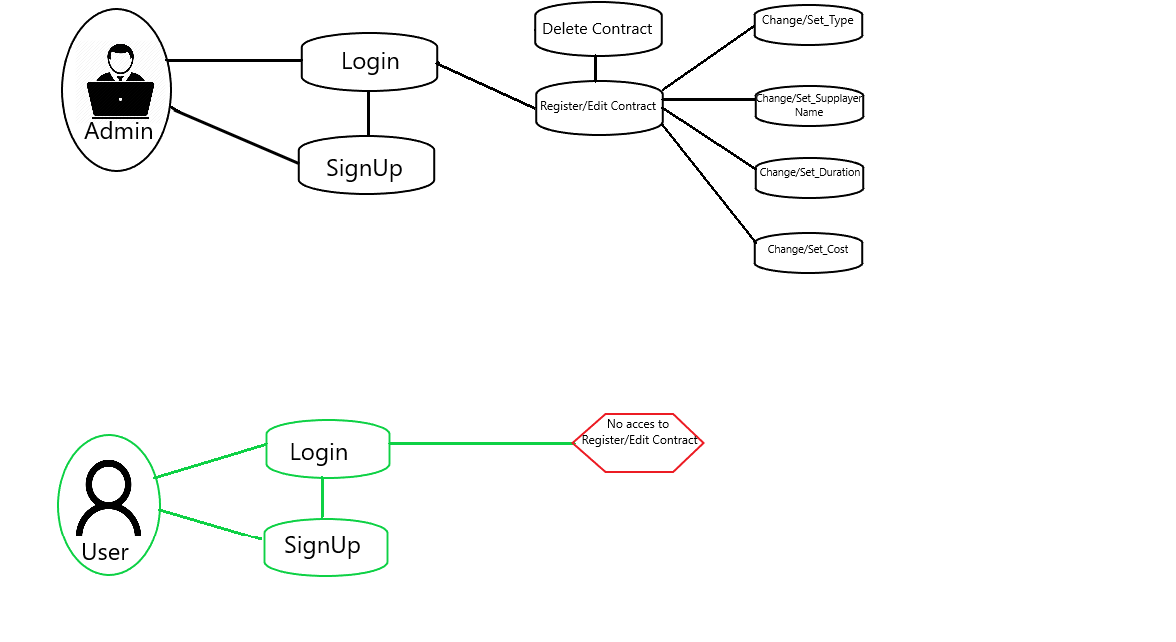
1. **Use Cases:**

**-View/Edit Apartment case:**

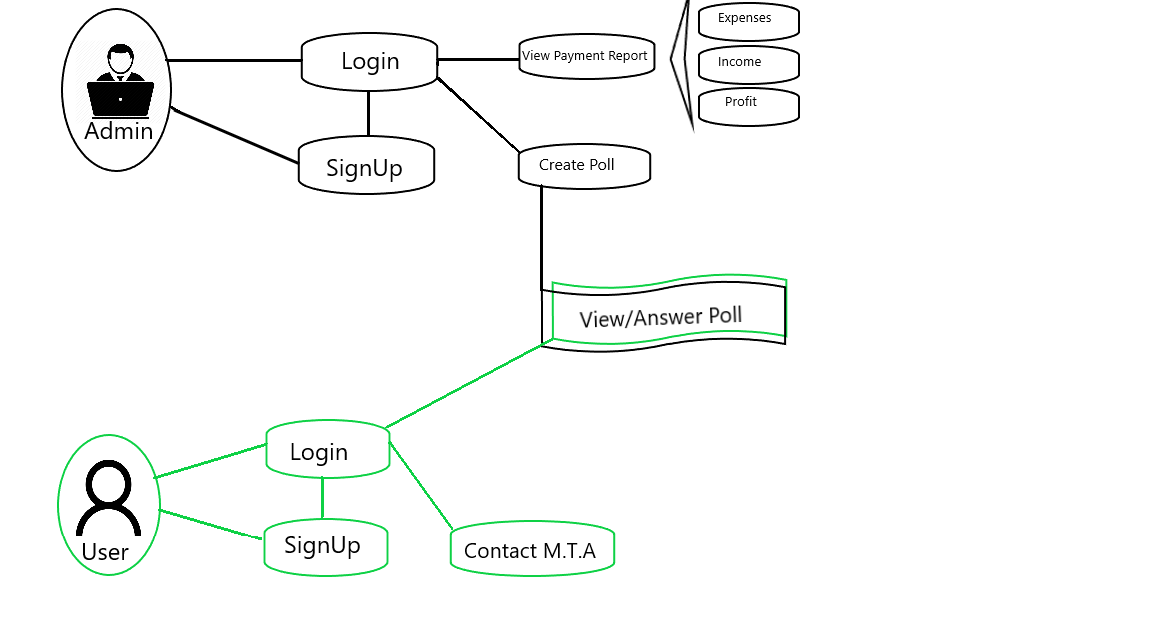


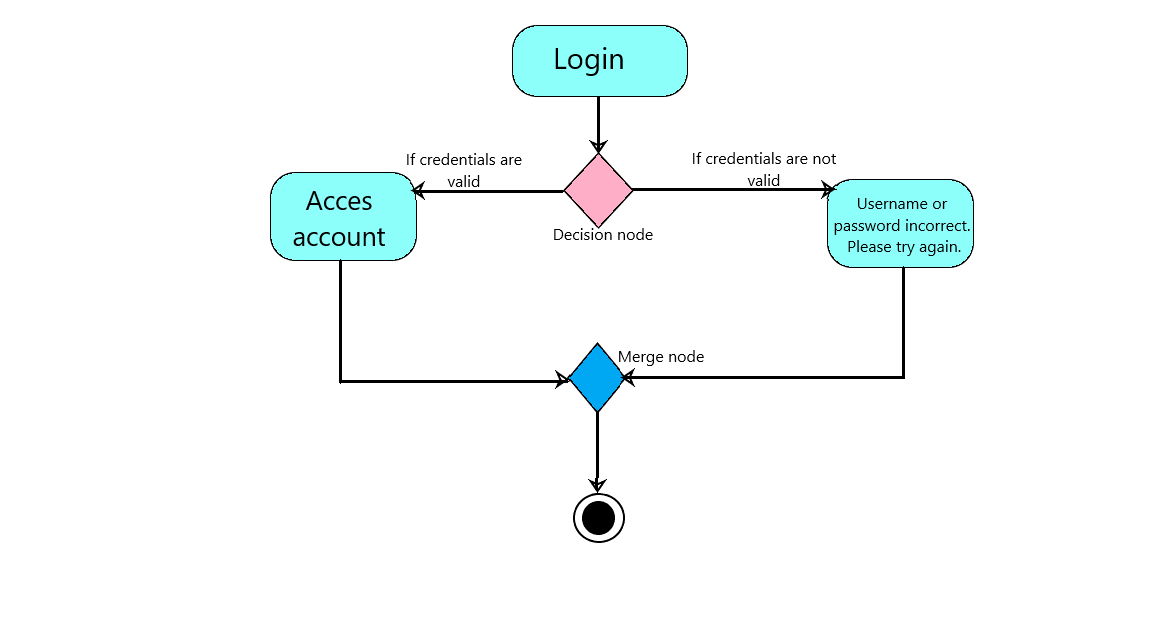
**-Add/Edit Employee case:**

**-Register/Edit Contract case:**

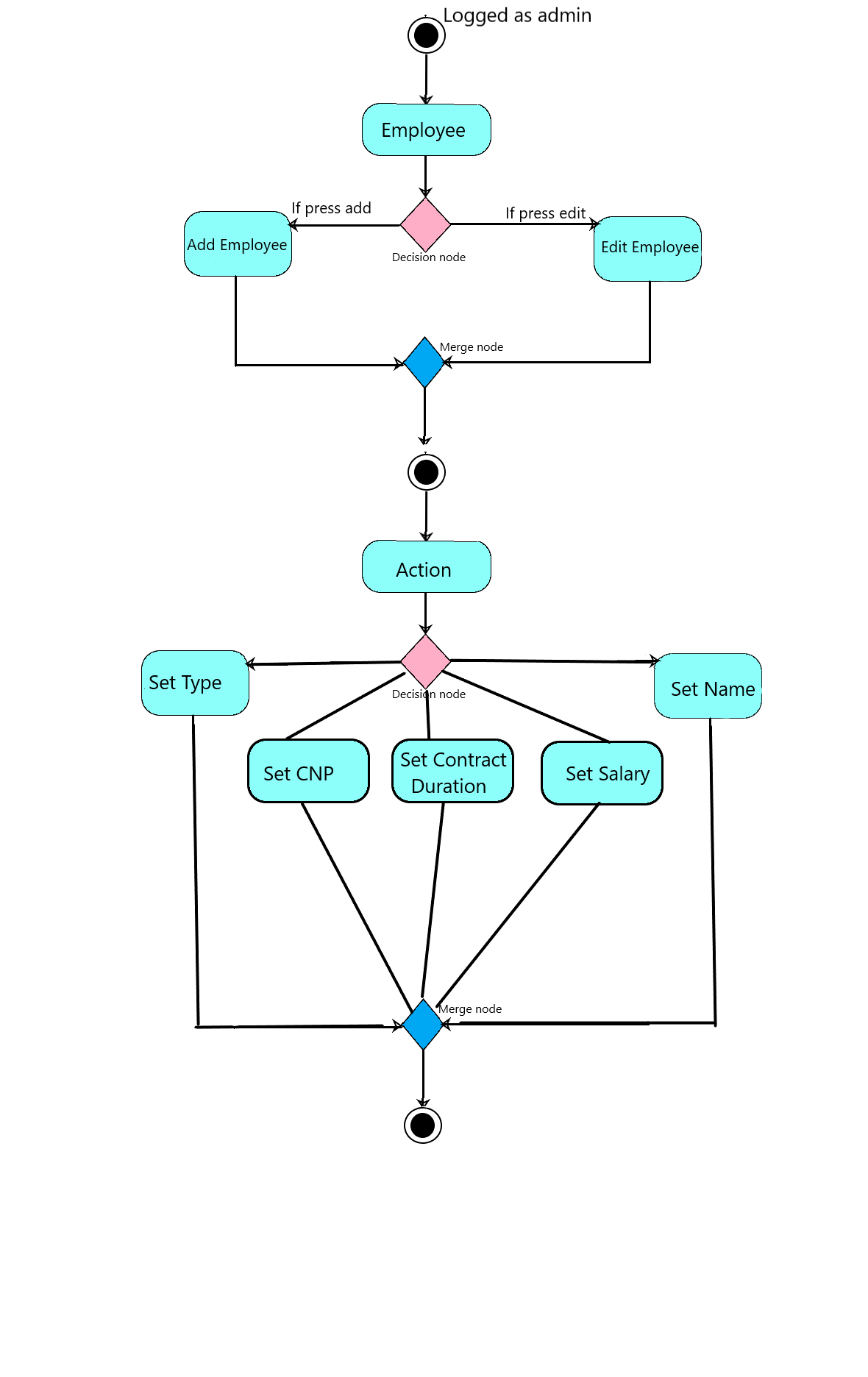


**-View Payment Report case / Create / View/ Answer Pool / Contact M.T.A. cases**

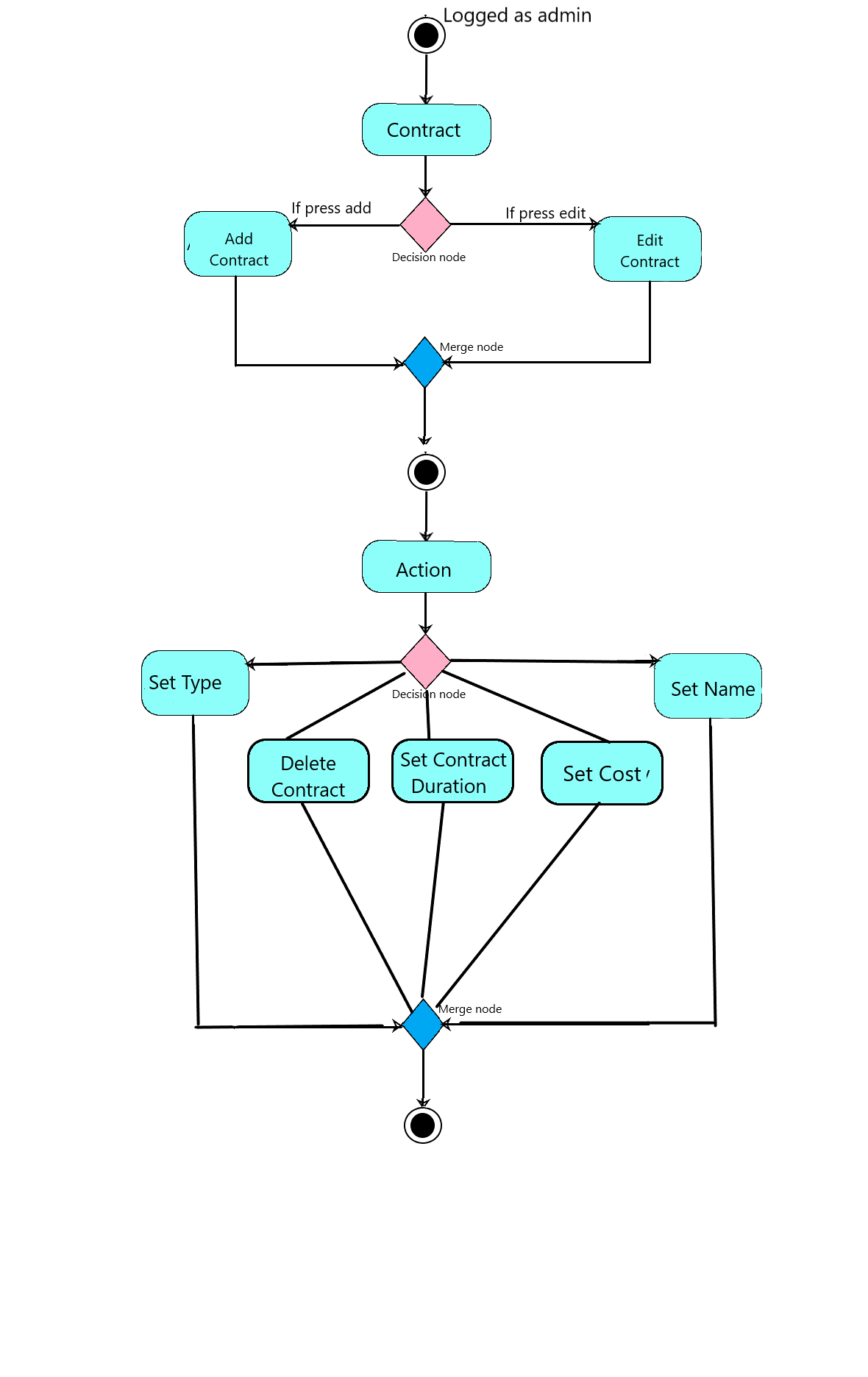


1. **Activity Diagrams:**

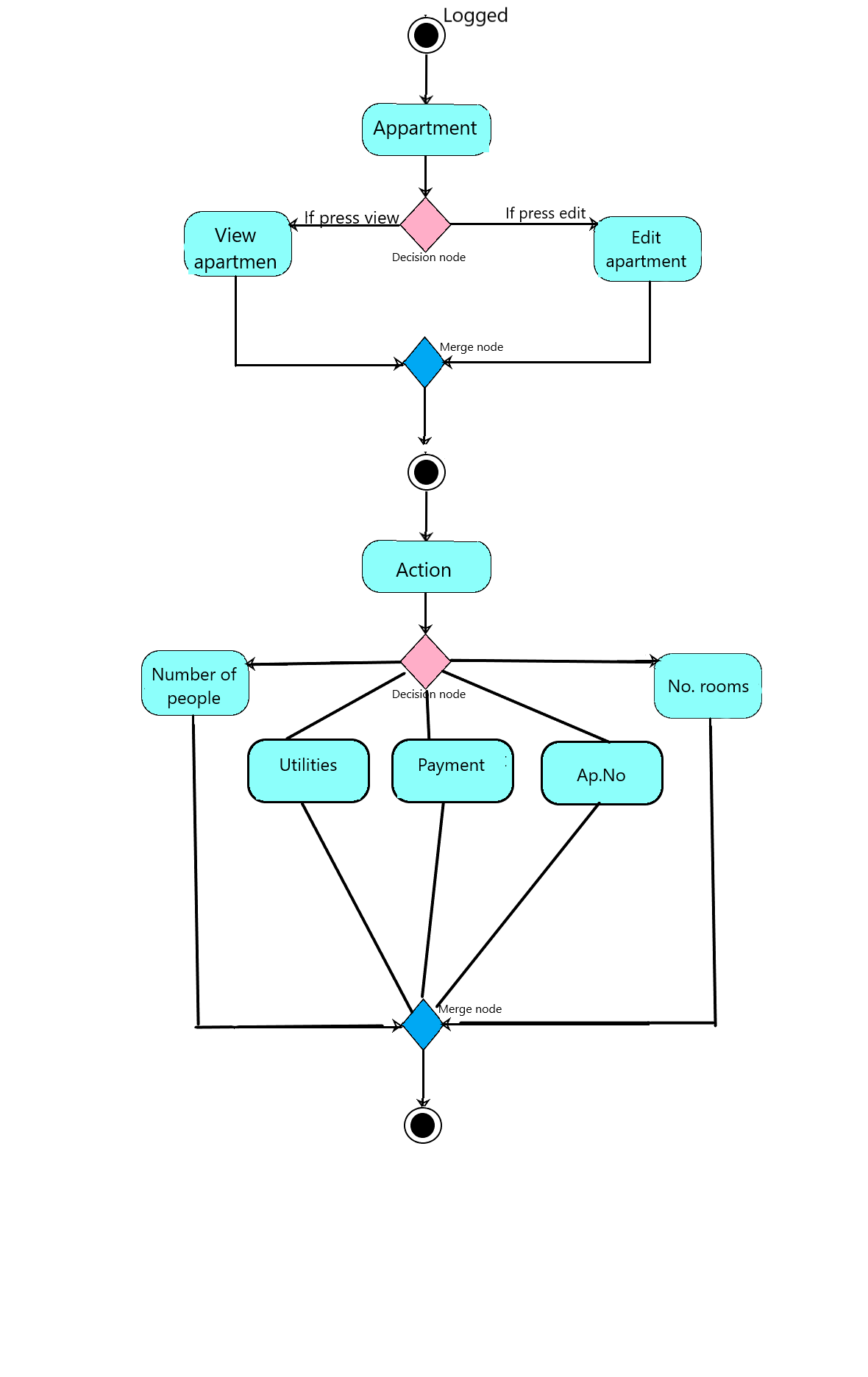
Login diagram:

****

Employee diagram:

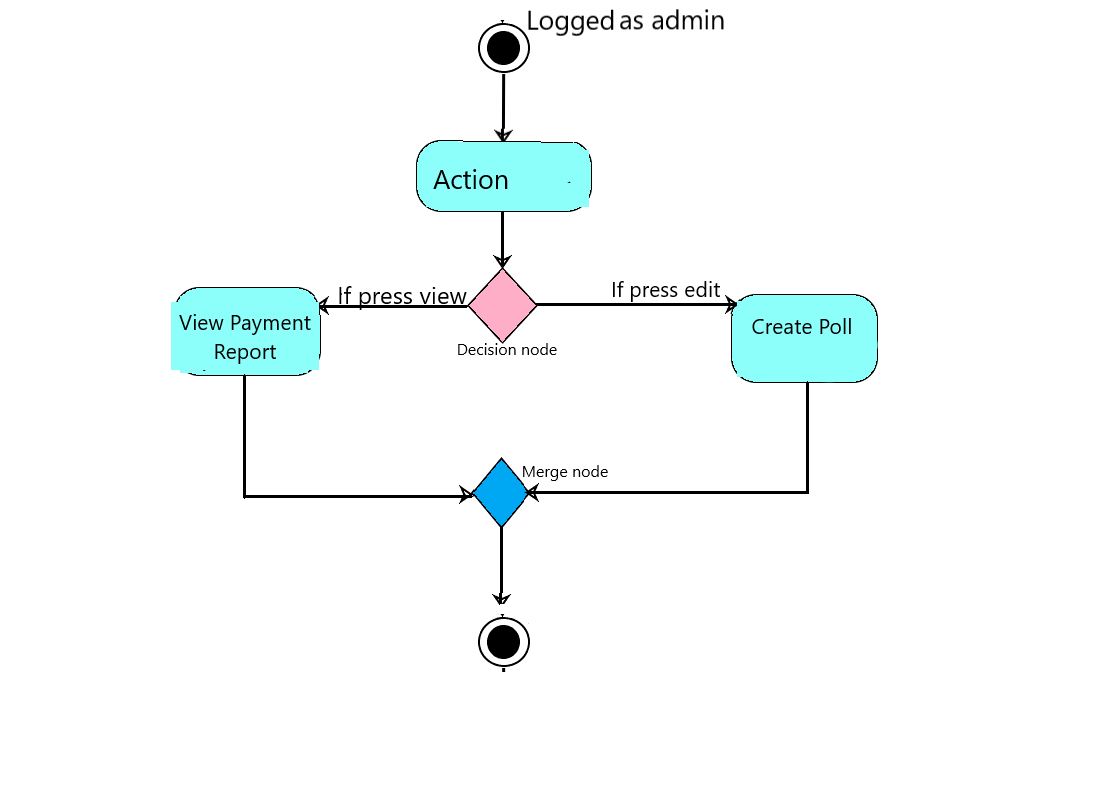
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Contract diagram:

****

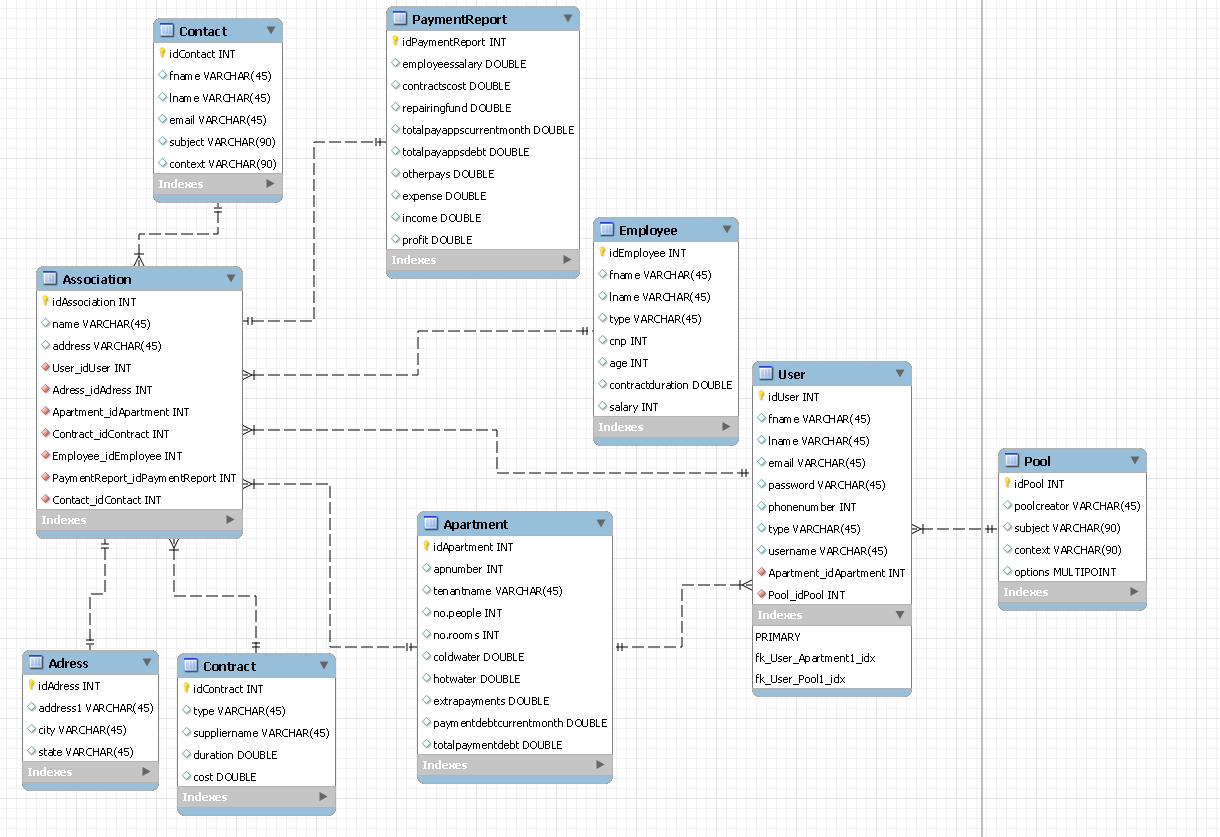
Appartment diagram:

Admin diagram:

****

1. **Class Diagrams:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee | Contract | Apartment | User | PaymentReport | Contact | Association | Address | Pool |
| E\_Id | Con\_Id | Ap\_Id | U\_Id | PR\_id | Cnt\_Id | As\_id | Ad\_id | P\_Id |
| First\_name | Type | Ap\_number | First\_name | employeessalary | First\_name | Name | address1 | Pool\_creator |
| Last\_name | Suplier\_name | Tenant\_name | Last\_name | contractscost | Last\_name | Address | city | Subject |
| Type | Duration | No.\_people | Email | repairingfund | Email | Users | state | Context |
| CNP | Cost | No.\_rooms | Username | total pay apps curent mounth | Subject | Contracts |  | Options |
| Age |  | Cold\_water | Password | total pay apps debt | Context | Employees |  |  |
| Contract\_duration |  | hot water | Hot\_water | Phonenumber |  | Apartments |  |  |
| Salary |  | Electricity | Type | expense |  | Payment\_report |  |  |
|  |  | Trash |  | income |  |  |  |  |
|  |  | Extrapayments |  | profit |  |  |  |  |

**5. Relational Model Database:**