DATA533 - Collaborative Software Development

Lab Assignment - 2

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Package Topic Selection

A package that helps to find various properties of two types of real-estate properties (Apartments and Family Homes) and display all the relevant information.

Package: RealEstate

Sub-package 1: Apartment: Displays various dettails for apartments.

- **Features**
  - class 1 (parent): features
    - apartment_price
    - apartment_area
    - apartment_display
  - class 2 (child): apartment_type
    - floors
    - (all other methods of parent class features)

- **Location**
  - class: location(child)
    - city
    - locality
    - facing_direction
    - (all methods imported from the parent class, which is in the features module)

- **Condition**
  - class: apartment_condition(child)
    - maintenance_required
    - discount
    - furnishing_status
    - (all methods imported from the parent class, which is in the features module)

Sub-package 2: FamilyHome: predicts various properties for family homes..

- **Attributes**
  - class 1 (parent): characteristics
    - house_price
    - house_area

- house_display
    - class 2 (child): quality
        - build_quality
        - (all other methods of parent class features)

- **AreaType**
    - class: areaType (Child)
        - nearby_amenities
        - view
        - population
        - (all methods imported from the parent class, which is in the features module)

- **highlights**
    - class: highlights(child)
        - garage_capacity
        - swimming_pool_type
        - furnish_type
        - (all methods imported from the parent class, which is in the features module)