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**Dept : computer Science**

**Course: CSC 483.1**

**Problem Statement**

The very frustrating moment in an individual’s life is when the person makes a wrong choice in the aspect of housing. The basic need of life is house, food and clothing so if one of this especially housing is not there it is a big problem so for an individual to get a good housing space, he should carefully go through the algorithm below in other to make a good housing selection.

**Algorithm**

1. Choose the type of house you want (mansion, bungalow)
2. Choose the kind of room settings (self-contain, 1 bedroom, 2bedrom flat)
3. Choose the location of the building (inside the town , out sketch of the town )
4. Check if it will be motor able
5. Check if it is far from your place of work or institute.
6. Check if there is a good drainage system
7. Check if the building is surrounded by an ill environment
8. Choose the kind of people you want to stay with (family people, students. Working class singled personel)
9. If the above is satisfied then contact the landlord /caretaker
10. Pay for your rent.

**code format**

1. choose type house

If HOUSE = mansion

Else HOUSE = bungalow

1. choose kind of house

If HouseKind = self-contain

Elseif HouseKind = 1 bedroom

Else HouseKind = 2bedroom

1. choose location

if HouseLoc = insidetown

else HouseLoc = OutsketchTown

1. check motorable

if housearea = motorable THEN okay

else do not choose.

1. If HouseLoc = farDistanceAwayFromWork THEN no

Else if HouseLoc = closerToWorkPlace THEN choose

1. Select house

If house = goodDrainageSystem

Then Yes

Else No

1. Select house

If house = goodEnvironment

Then Yes

Else No

1. Select compoundpeople

If compoundpeople = family

Else compoundpeople= students

Else compoundpeople = workingclassSingles

1. If (1-8 == true) THEN contact caretaker/landlord
2. Pay for the apartment.