20 Sept Relationships between classes is-a > Inheritance 0 eg: User driver is-a user eg: Piece Queen is-a piece Bishop Queen eg: Zerodha example order Market In certain cases, a type property might be enough. Need to have enough reasoning to use what you use - inheritance @ has-a relationship · Order has a delivery address · Car has-a engine Can the subclass exist without parent class.

has-a Restaurant -> Menu Menu can't exist without restaurant When restaurant is deleted, menu is also removed Menu - food ikm Every ikm belongs to the menu. eg: Cafe 1 -> Burger - different image I descript Cape 2 -> Burger So it does not make sense for good ikm to exist separately. (When menu is deleted - item deleted) > Types has - a Composition Aggregation PARK LYLLYHAR Person-bag Person - heart

How to identify?

Composition — When entire life cycle of the object depends on the class its used.

eg: User's shipping address.

Rest. owner can not be aggregation:

ResF1 Ro2 Ro2

When restaurant 1 is removed, restaurant owner also gets deleted

Rest 2 Ro3

All Many to Many relations => Aggregations

UML

O A - DB Inheritance - A is a B ( baseday)

AD B Aggregation - A has a B

(3) A B Composition - A has a B (B car's exist)

A -----B Bidirectional - can call each other

5) A .... B Implements - A implements B

6) A -> B Unidirectional association



