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**BSCS** 

**FUUAST ISLAMABAD** 

Association Relationships (Cont'd)

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We can also the association.

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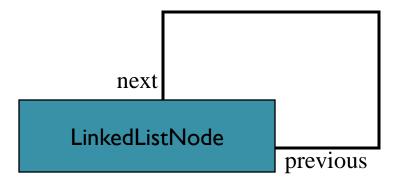
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Student	membership		_
	1*		1*

Association Relationships (Cont'd)

A classman have a 3 Af association.

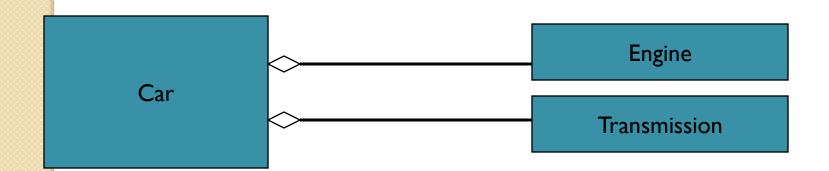
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### Association Relationships (Cont'd) We can model objects that care an other objects by way of

We can model objects that careful other objects by way of special associations alled aggregations and compositions.

An aggregation specifies a whole-part relationship between an aggregate (a whole) and a constituent part, where the part can exist independently from the aggregate. Aggregations are denoted by a hollow-diamond adornment on the association.



## Class Attributes, Operations Recall indaya and 4++ you may have class

- preattributes and class operations
  - keyword static used
  - One attribute for all members of class
  - An operation not encapsulated in each object, but "defined in" that class' scope
  - In UML class diagrams, list these in the class box's compartments, but underline them