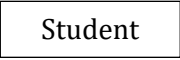
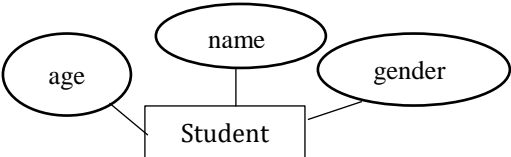
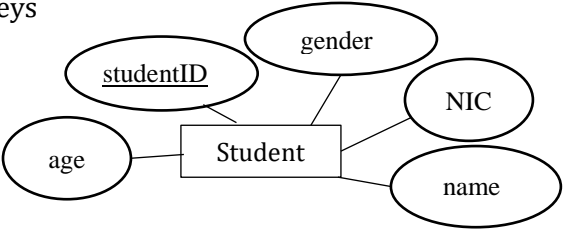
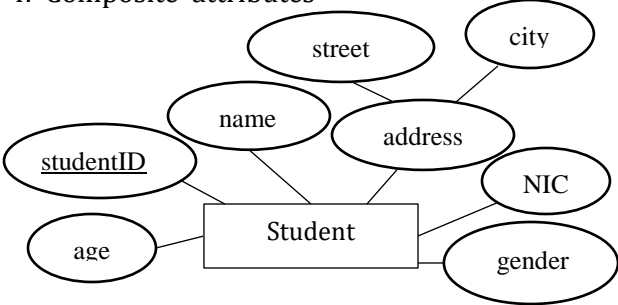
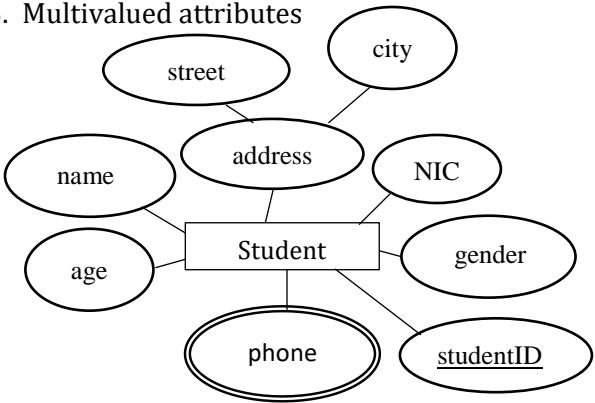


Database Management Systems

Lecture 02 Handout

Entitites and attributes	
<p>1. Entity</p>  <p>A rectangular box labeled "Student".</p>	Student table
<p>2. simple attributes</p>  <p>An entity diagram for "Student" (rectangle) connected to three attributes (ovals): "age", "name", and "gender".</p>	Student (name,age, gender)
<p>3. keys</p>  <p>An entity diagram for "Student" (rectangle) connected to five attributes (ovals): "studentID" (underlined), "gender", "NIC", "age", and "name".</p>	Student (<u>studentID</u> , NIC, name, age, gender)
<p>4. Composite attributes</p>  <p>An entity diagram for "Student" (rectangle) connected to seven attributes (ovals): "studentID" (underlined), "age", "name", "address", "gender", "NIC", and "street". The "address" attribute is connected to two other attributes: "city" and "street".</p>	Student (<u>studentID</u> , NIC, name, age, gender, street,city)
<p>5. Multivalued attributes</p>  <p>An entity diagram for "Student" (rectangle) connected to eight attributes (ovals): "age", "name", "address", "gender", "phone" (double-lined), "studentID" (underlined), "street", and "city". The "address" attribute is connected to two other attributes: "city" and "street".</p>	<p>Student (<u>studentID</u>, NIC, name, age, gender, street,city)</p> <p>Student_phone (<u>studentID</u>, <u>phone</u>)</p> <p>↖</p>

	<p>Person (<u>NIC</u>, name)</p> <p>Passport (<u>passportNo</u>, expiryDate, NIC)</p> <p>Or</p> <p>Person (<u>NIC</u>, name, passportNo)</p> <p>Passport (<u>PassportNo</u>, expiryDate)</p>
	<p>Person (<u>NIC</u>, name)</p> <p>Passport (<u>passportNo</u>, expiryDate, NIC)</p>
	<p>Person_passport(<u>NIC</u>, name, passportNo, ppExpiryDate)</p>
	<p>Department(<u>deptNo</u>, dname)</p> <p>Employee(<u>eNo</u>, ename, deptNo, hireDate)</p>
	<p>Student (<u>sNo</u>, gpa)</p> <p>EnrollFor (<u>sNo</u>, <u>cID</u>, intake, enrolledDate)</p> <p>Course (<u>cID</u>, cname)</p>
	<p>Course (<u>cId</u>, cName)</p> <p>Assessment (<u>cId</u>, <u>name</u>, weight)</p>