

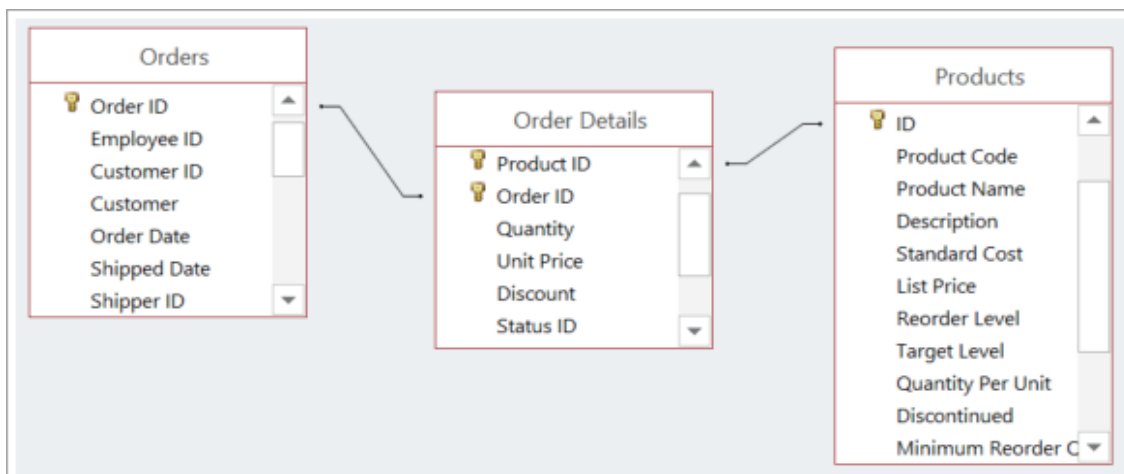
Instructions for Students

1. Donot Mark anything on the Question paper
2. Return the Question paper to the invigilator after the completion of the Test
3. Read the Question Paper thoroughly before answering the questions

Answer all the Questions

1. Using Spring Framework 4.x, design an MVC model component . **[15 Mark]**

Use the DAO developed for the following question.



Deliverables

1. Transaction Management using Spring AOP
2. ApplicationContext.xml / Configuration class file entries.
3. Service class

Implement the following DAO using JPA/Hibernate

```
public boolean saveProduct(Product product);  
public boolean StoreOrder(Order order);  
public Set<Product> getProducts(String orderId);
```

2. Create a JAX-RS based Web Service to to manipulate candidate information.

CandidateInformation(candidateId, candidateName, interviewMarks, testMarks, softSkillMarks)

Services Provided

a. Insert a new candidate information.

Take all related information as FormParam and persist in the database

b. Show the given candidate information

Take candidateId as QueryParam/PathParam and return a JSON object.

Consume this service from a Java Web Application. Write user interface and other necessary

web components to access this Web service.