

**Ahsanullah University of Science and Technology (AUST)**

Department of Computer Science and Engineering

**Project Report**

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

**Submitted To-**

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**Hotel Management System**

This project is done by two people so there will be one server and one site. There are many functionality like order item, fire staff, check item etc.

**Database Schema:**

**1.Global Schema:**

Location (l\_ID integer, area varchar(25), division varchar(10))

Staffs (s\_ID integer, s\_name varchar(20), s\_address varchar(25), l\_ID integer)

Menu (m\_ID VARCHAR(10), m\_name\_size varchar(50), m\_price number)

Orders (o\_ID integer, m\_ID VARCHAR(10), o\_items varchar(40), Quantity number, Price number, customer\_name varchar(20), customer\_address varchar(25), l\_ID integer, THE\_DATE DATE)

Customers (c\_ID integer, customer\_name varchar(25), customer\_address varchar(50), l\_ID integer)

**2.Fragmentation Schema:**

= Location

= Location

= Staffs

= Staffs

**3. Allocation Schema:**

@ server

@ site

@ site

@ server

**Functionalities:**

**1.Function:**

In this project we use a function named **“ORDERSS”.** This function takes four parameters as input and calculate the total price of the order.

**2.Procedure:**

There is one procedures in this project and that is **Pro.** Procedure take one parameter as input which is order id. In this procedure detail of the order is shown.

**3.Cursor:**

We used many cursors in our project.

**4.Conditional Statement:**

The conditional statement used for show data either from site1 or site2 according to the user’s choice.

**5.Package:**

In this project we used two packages.

1. ONIGIRI
2. PACK

**6.Exception:**

We used INVALID\_ORDER EXCEPTION which is not build in exception. If user don’t put input as the project require than this exception occurs. We used many build in exceptions also.

**7.Trigger:**

We used ORDERSS trigger in our main.sql file. When this trigger executes order is being processed message shown in the display.

**8.View:** We also used view for our relations.

**My Contribution**

I worked in site sector in this project. I worked on taking orders, database structure, fire staff, connection of site & server.