Term Project

Title – Pizza ordering portal

Description- This portal will let user order their pizza from two options

* From a list of Predefined Pizzas
* To make their own Pizza option (User can choose ingredients from wide variety of Topping, Sauces, base, Size Etc.)

The user can order pizza anonymously or by doing login into Portal. The logged in User may get some discount such first time user, lucky draw etc. This will also help user for quick ordering. We will also store anonymous order to gauge total sales and other stats.

Design –

Below is the list of tables with attributes for the first draft of our project. We might add more table and attributes in the final submission.

1. Pizza
   * Id (int11) PRIMARY KEY
   * name(varchar45))
2. Order
   * Id(int11) PRIMARY KEY
   * UserID(int11) FOREIGN KEY REFERENCES `User` (`id`)
   * OrderTime(DataTime) NOT NULL,
   * DeliverTime(DataTime) NOTNULL,
   * DeliveryAddress (varchar120))
3. User
   * Id (int11) PRIMARY KEY
   * Name (varchar45)
   * Password(varchar10)
   * Address(varchar 100)
   * Contact(int10)
   * Email(varchar 50)
4. Topping
   * Id(int11) PRIMARY KEY
   * Name(varchar25)
   * Price(int2)
5. Sauce
   * Id(int11) PRIMARY KEY
   * Name(varchar25)
   * Price(int2)
6. Size
   * Id(int11) PRIMARY KEY
   * Name(varchar25)
   * Price\_Factor(int2)
7. Base
   * Id(int11) PRIMARY KEY
   * Name(varchar25)
   * Price(int2)
8. Order\_Pizza
   * Id(int11) PRIMARY KEY
   * P\_id(int11) FOREIGN KEY REFERENCES `Pizza` (`id`)
   * Order\_id(int11) FOREIGN KEY REFERENCES `Order` (`id`)
9. Pizza\_Topping
   * Id(int11) PRIMARY KEY
   * P\_id(int11) FOREIGN KEY REFERENCES `Pizza` (`id`)
   * Topping\_id(int11) FOREIGN KEY REFERENCES `Topping` (`id`)
10. Pizza\_Sauce
    * Id(int11) PRIMARY KEY
    * P\_id(int11) FOREIGN KEY REFERENCES `Pizza` (`id`)
    * Sauce\_id(int11) FOREIGN KEY REFERENCES `Sauce` (`id`)
11. Pizza\_Size
    * Id(int11) PRIMARY KEY
    * P\_id(int11) FOREIGN KEY REFERENCES `Pizza` (`id`)
    * Size\_id(int11) FOREIGN KEY REFERENCES `Size` (`id`)
12. Pizza\_Base
    * Id(int11) PRIMARY KEY
    * P\_id(int11) FOREIGN KEY REFERENCES `Pizza` (`id`)
    * Base\_id(int11) FOREIGN KEY REFERENCES `Base` (`id`)

Tools –

For This project, we will be using following Tool and framework

* Spring Framework as MVC
* Hibernate as ORM
* MySQL as DB
* HTML/CSS/JSP for frontend