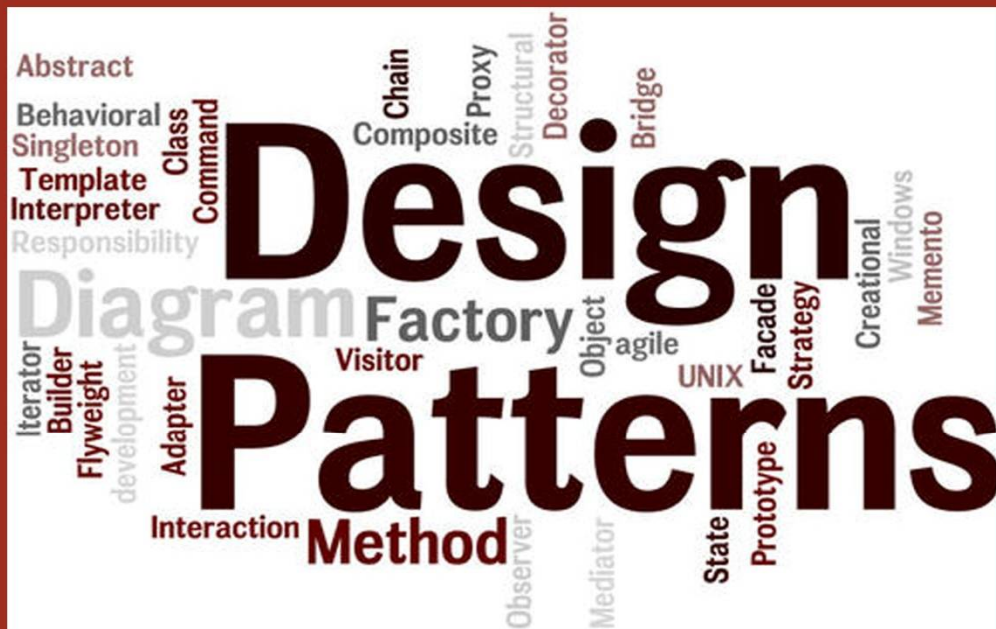


JAVA means DURGA SOFT

Design Patterns

Enterprise Application Level Design Patterns

1. DAO (Data Access Object) Design Pattern



India's No.1 Software Training Institute

DURGASOFT

www.durgasoft.com Ph: 9246212143 ,8096969696

Enterprise Level Design Patterns

DAO (Data Access Object) Design Pattern

Problem: In any project if persistence is combined with the other logics of the application (like business logic, service logic etc) then persistence logic will not become flexible to modify i.e. the modifications done in persistence logic may disturb other logics of the application.

Solution: Use DAO design pattern.

Def: The java class or component that separates persistence logic from other logics of the application to make persistence logic as flexible logic to modify is called as **DAO**

- ❖ Generally DAO class or contains:
 - Logic to establish the connection
 - Logic to release the connection
 - Logic to perform persistence operations like update, delete, insert etc
 - Some transaction management code (if require)
- ❖ We can develop this DAO class/ component using any persistence logic like JDBC, Hibernate, EJB entity bean component etc.
- ❖ A single DAO class/ component can be used by all business components or each business component can contain their own DAO class/ component. But it is always recommended to use separate DAO class/ component for each business component.

LEARN FROM EXPERT & DIAMOND FACULTIES OF AMEERPET...

JAVA MEANS DURGA SOFT

INDIA'S NO. 1 SOFTWARE TRAINING INSTITUTE

AN ISO 9001:2008 CERTIFIED
DURGA
SOFTWARE SOLUTIONS

#202 2nd FLOOR
www.durgasoft.com

040-64512786
+91 9246212143
+91 8096969696

Ex:

```
// BaseDAO.java
```

```
public class BaseDAO
```

```
{
```

```
    public static Connection getConnection()
```

```
    {
```

```
        ----
```

```
        ----
```

```
    }
```

```
    public int insert(-,-)
```

```
    {
```

```
        ----
```

```
        ----
```

```
    }
```

```
    public List fetch()
```

```
    {
```

```
        ----
```

```
        ----
```

```
}  
  
public static void closeConnection()  
{  
    ----  
    ----  
}  
}  
  
public class BComp1  
{  
    public BComp1()  
    {  
        Connection con =BaseDAO.getConnection();  
    }  
    public void insertRecords()  
    {  
        ----  
        con.insert(-,-);  
        ----  
    }  
    public void fetchRecords()  
    {  
        ----  
        con.fetch(-);  
        ----  
    }  
}
```

www.durgajobs.com
Continuous Job Updates for every hour

Fresher Jobs	Govt Jobs	Bank Jobs
Walk-ins	Placement Papers	IT Jobs
Interview Experiences		

Complete Job information across India

www.durgasoftonlinetraining.com



Online Training
Pre Recorded Video
Classes Training
Corporate Training

Ph: +91-8885252627, 7207212427
+91-7207212428

 **USA Ph : 4433326786**

E-mail : durgasoftonlinetraining@gmail.com

LEARN FROM EXPERTS ...

COMPLETE JAVA

CORE JAVA, ADV. JAVA, ORACLE, STRUTS, HIBERNATE, SPRING, WEB SERVICES,...

COMPLETE .NET

C#.NET, ASP.NET, SQL SERVER, MVC 5 & WCF

TESTING TOOLS

MANUAL + SELENIUM

ORACLE | D2K

MSBI | SHARE POINT

HADOOP | ANDROID

C, C++, DS, UNIX

CRT & APTITUDE TRAINING

AN ISO 9001:2008 CERTIFIED

DURGA
Software Solutions®

202, 2nd Floor, HUDA Maitrivanam,
Ameerpet, Hyd. Ph: 040-64512786,

9246212143, 8096969696

www.durgasoft.com