

client:

```
User u = ...  
userDao.register(u);
```

```
public interface UserDao {  
    void register(User u);  
    boolean login(String un , String pwd);  
}
```

```
public class UserDaoJdbcImpl implements UserDao {  
    public void register(User u) {  
        try {  
            // code  
        } catch (SQLException ex) {  
            log them  
        }  
    }  
}
```

client:

```
try {  
    User u = ...  
    userDao.register(u);  
} catch (SQLException ex) {  
    ex.printStackTrace();  
    sout(ex.getMessage());  
}
```

```
public interface UserDao {  
    void register(User u) throws SQLException;  
}
```

```
public class UserDaoJdbcImpl implements UserDao {  
    public void register(User u) throws SQLException {  
        // code  
    }  
}
```

|

client:

```
try {  
    User u = ...  
    userDao.register(u);  
} catch (PersistenceException ex) {  
    ex.printStackTrace();  
    sout(ex.getMessage());  
}
```

```
public interface UserDao {  
    void register(User u) throws PersistenceException;  
}
```

```
public class UserDaoJdbcImpl implements UserDao {  
    public void register(User u) throws PersistenceException {  
        try {  
            // code  
        } catch (SQLException ex) {  
            throw new PersistenceException("user with email already exists!!!", ex);  
        }  
    }  
}
```

```
public class UserDaoMongoImpl implements UserDao {  
    public void register(User u) throws PersistenceException {  
        try {  
            // code  
        } catch (MongoDBException ex) {  
            throw new PersistenceException("user with email already exists!!!", ex);  
        }  
    }  
}
```