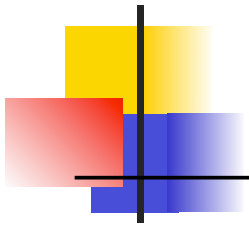
Introduction To Cayenne

Bill Dudney

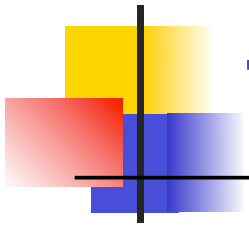
Virtuas Open Source Solutions

Colorado Software Summit



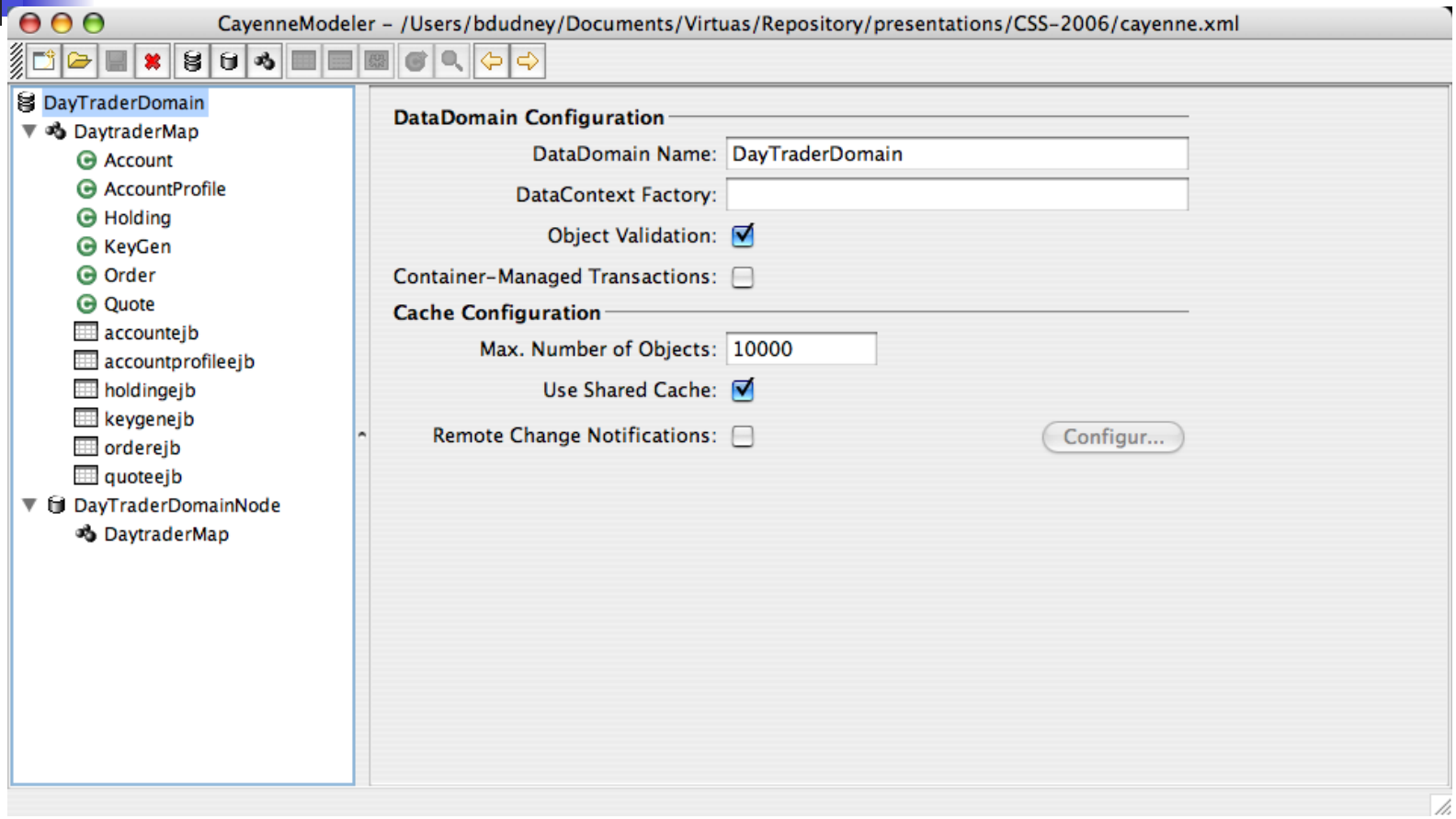
R/O Mapping?

- Mainstream Technology
  - Hibernate
  - TopLink
  - EJB 3
- Long history of success (TopLink started in late 80's)

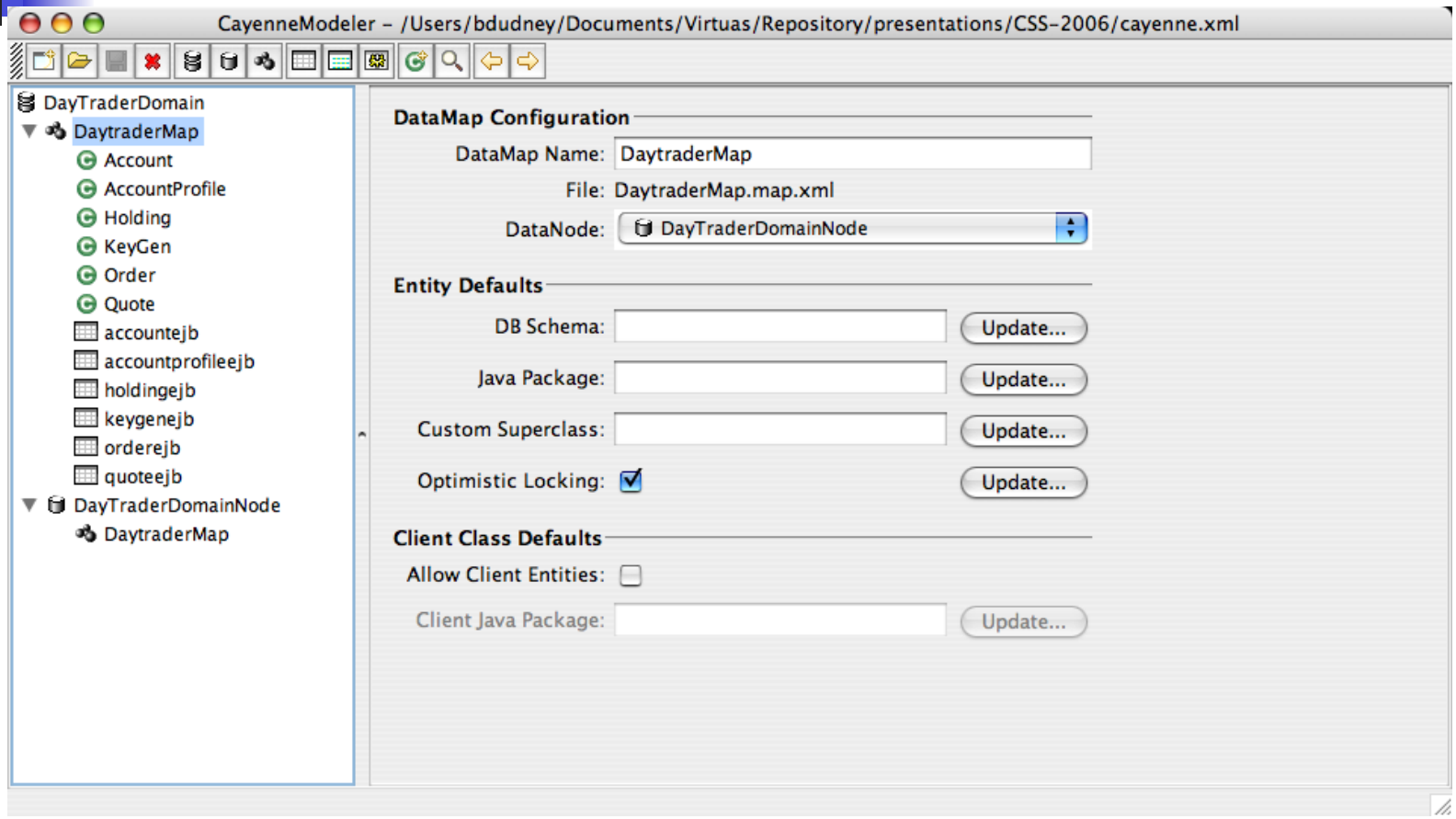


The Successful MDA

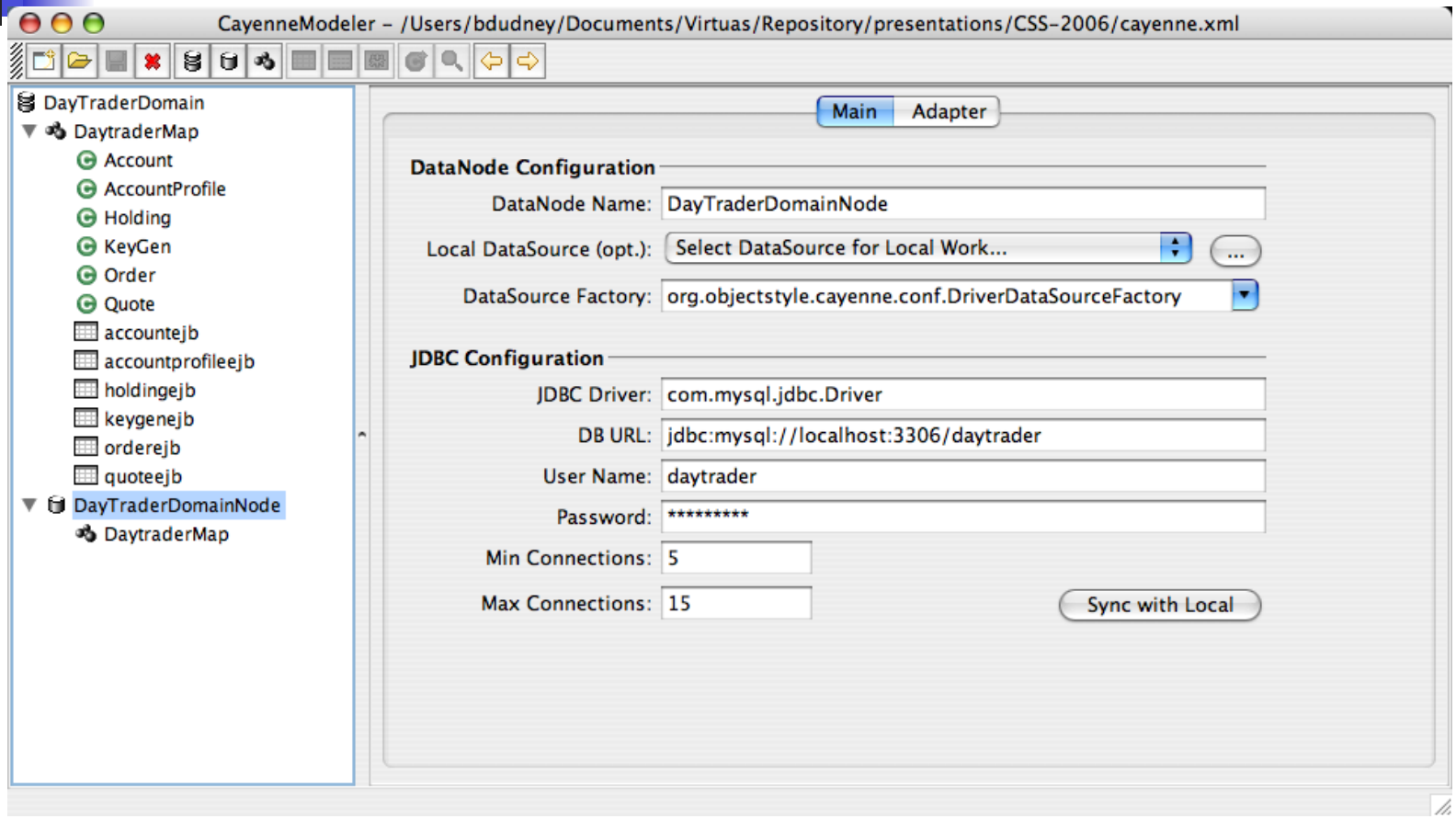
Cayenne Modeling



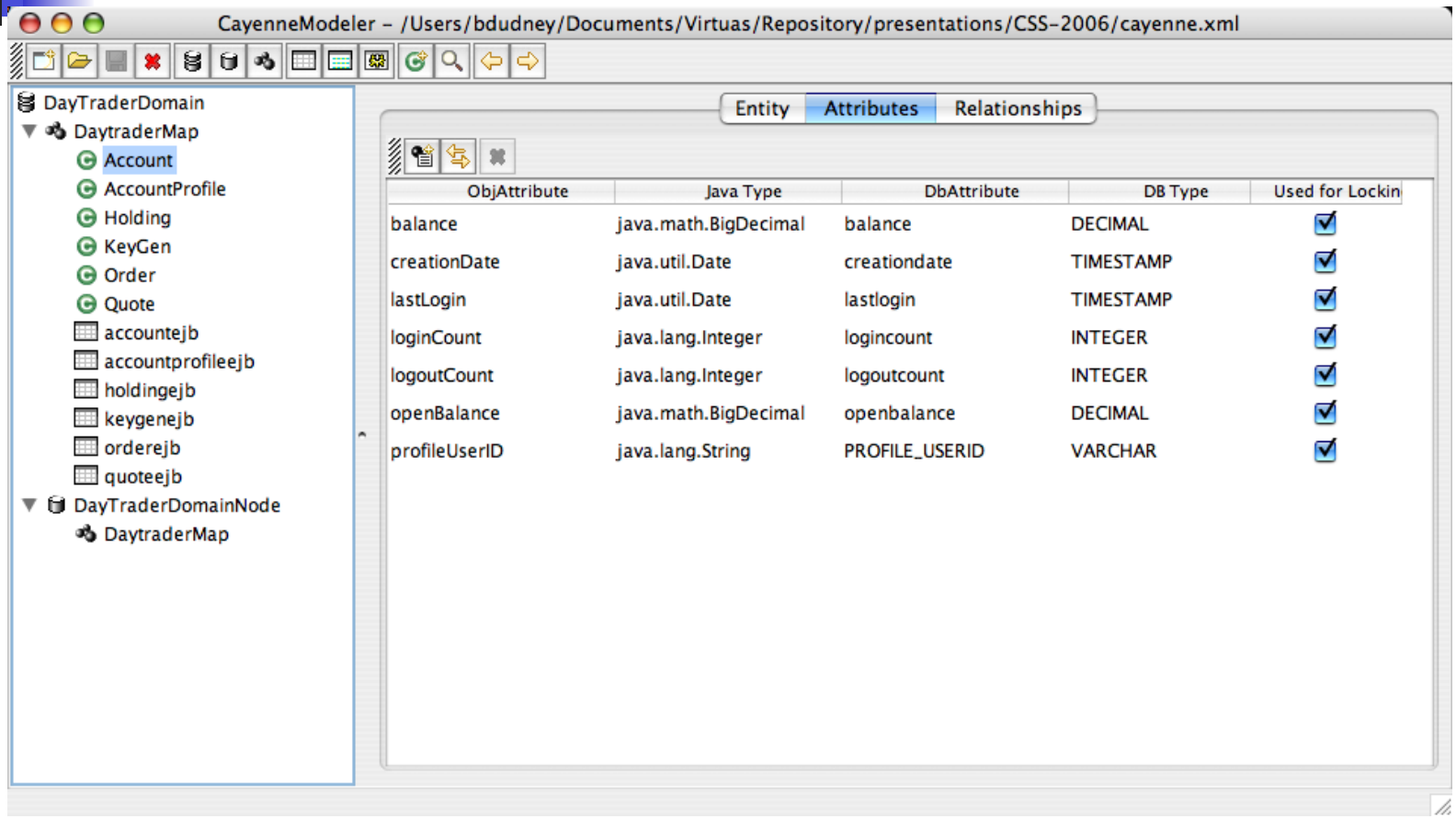
Cayenne Modeling



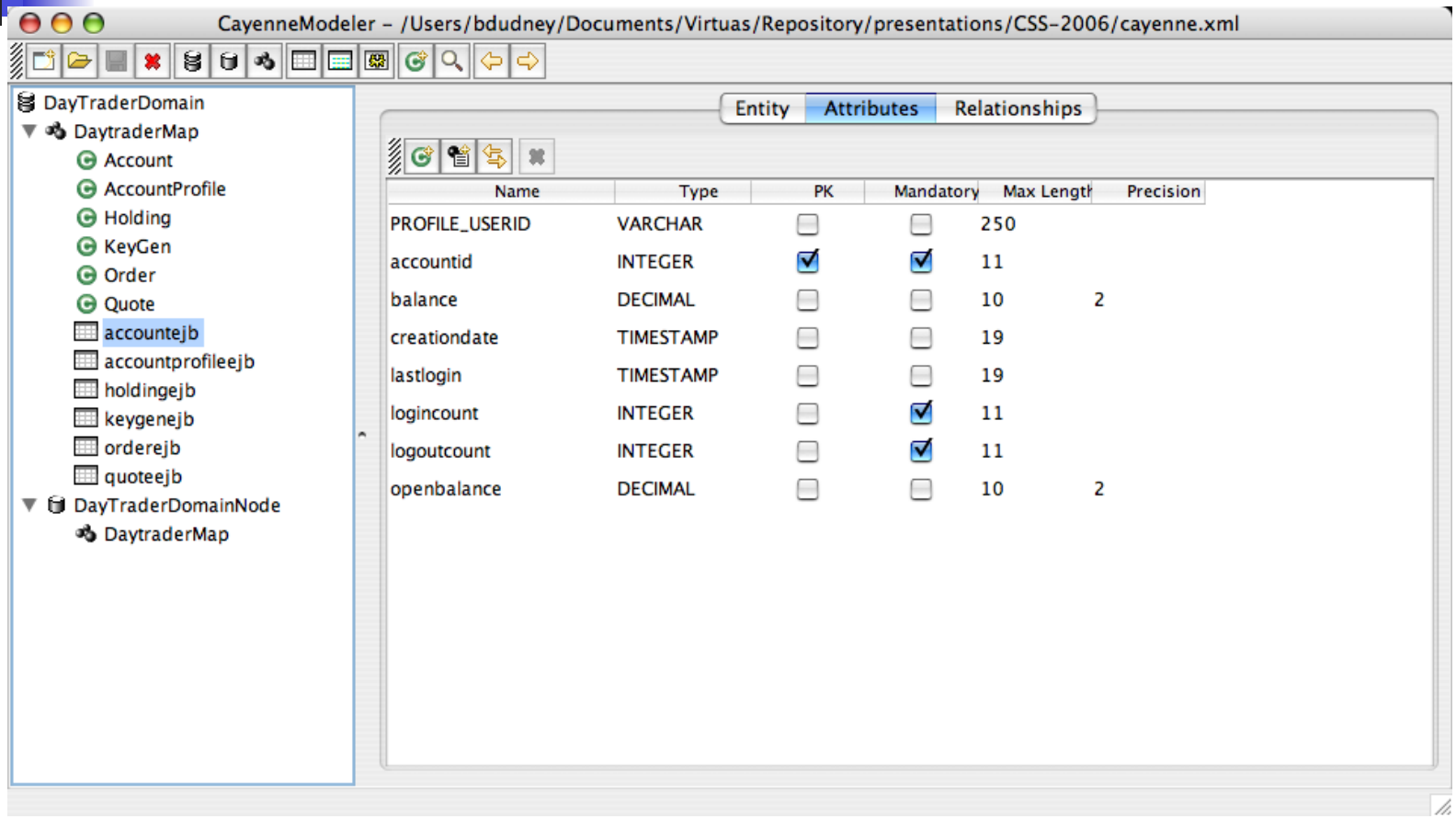
Cayenne Modeling

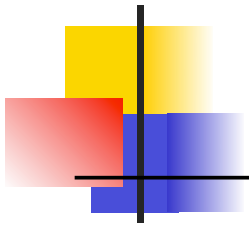


Cayenne Modeling

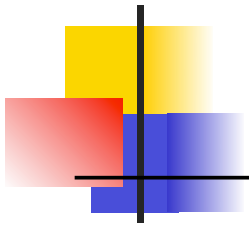


Cayenne Modeling



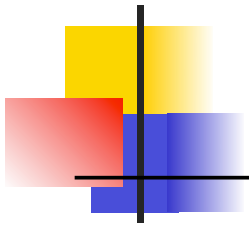


Demo



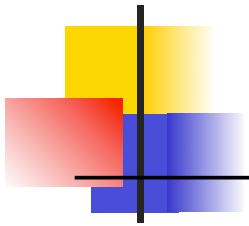
Getting At Data

The Context API



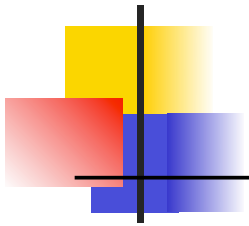
Running Queries

```
public java.util.List performQuery(Query query)
```



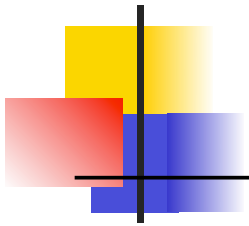
Update

```
public void commitChanges()
```



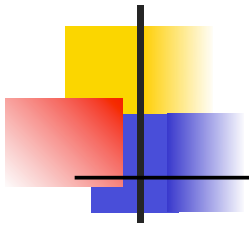
Delete

```
public void deleteObject(java.lang.Object object)
```

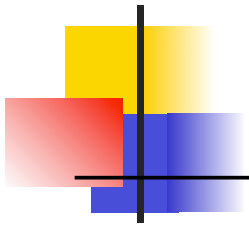


Create

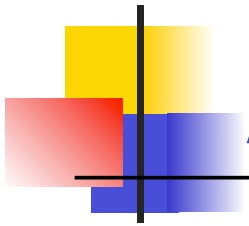
```
public java.lang.Object newObject(java.lang.Class clazz)
public void registerNewObject(java.lang.Object object)
```



Code



Remotely Getting At Data



API Stays the Same

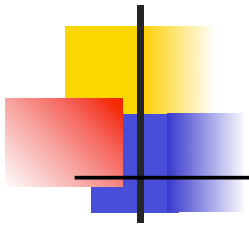
public java.util.List performQuery(Query query)

public void commitChanges()

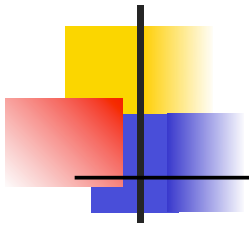
public void deleteObject(java.lang.Object object)

public void registerNewObject(java.lang.Object object)

public java.lang.Object newObject(java.lang.Class clazz)



Code



Conclusion & Questions