

CS544 EA Hibernate

Optimization

Optimization

- Premature optimization is the root of all evil
 - Donald Knuth (most important person in Algorithms)
 - See: https://en.wikiquote.org/wiki/Donald_Knuth

- Don't optimize until you have problems
 - Then test to make sure you fixed the right thing

Analyze Problems

- When you do experience problems:
 - Check the generated SQL to see what's happening

```
operties>
property name="javax.persistence.jdbc.user" value="root"/>
org.hibernate.dialect" value="org.hibernate.dialect.MvSOL5InnoDBDialect" />
<!-- Useful for analyzing problems -->
cproperty name="hibernate.show sql" value="true" />
property name="hibernate.format sql" value="true" />
<!-- 2nd Level Caching -->
property name="hibernate.cache.provider class" value="org.hibernate.cache.NoCacheProvider"/>
property name="hibernate.id.new generator mappings" value="false" />
property name="hibernate.hbm2ddl.import_files" value="test.sql" />
</properties>
```

Optimization

- First we will talk about LAZY and EAGER loading
 - And we will describe common problems

- To solve problems we'll look at:
 - Standard JPA ways to solve problems
 - Hibernate extensions to solve problems