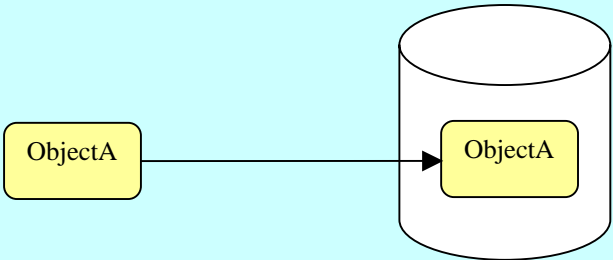
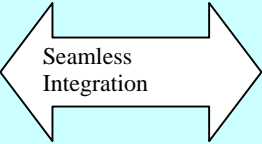
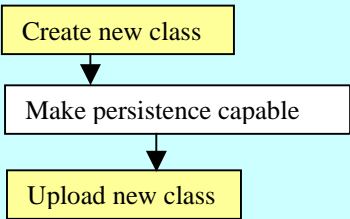
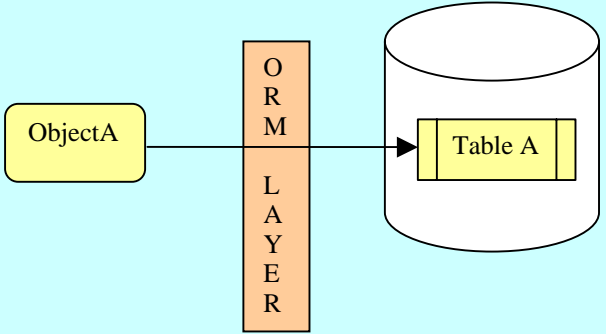
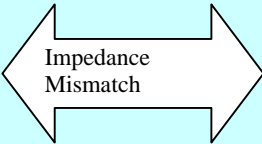
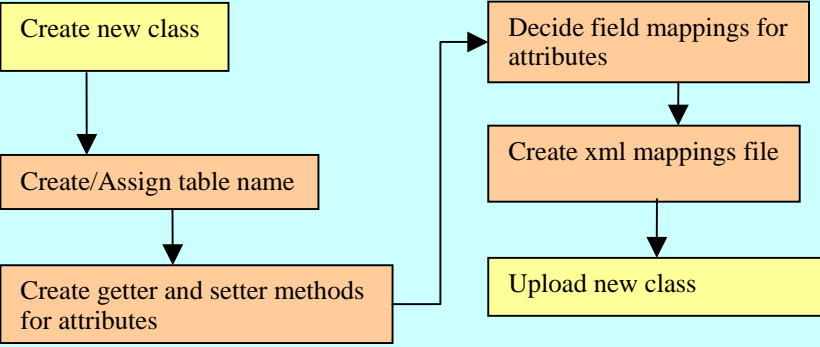




MAPPINGS USING OR AN ODBMS VS ORM TOOLS:		CREATING A NEW CLASSES IN THE MODEL:
<p><b>Using an ODBMS:</b></p> 	<p><b>Examples of ODBMS's:</b> Goods, Db4o, Versant, Gemstone, Objectivity/DB and Prevaler</p> 	<p><b>Creating a new class using an ODBMS:</b></p> 
<p><b>Using an ORM:</b></p> 	<p><b>Examples of ORM Tools:</b> Hibernate, Toplink and ObJectRelationalBridge (OBJ)</p> <p><b>Examples of RDBMS:</b> Oracle, MySQL, Postgres, MS SQL</p> 	<p><b>Creating a new class in the model using ORM:</b></p> 
<p><b>ODBMS Concepts:</b></p> <ul style="list-style-type: none"> <li>— Objects needs to be marked to be <b>persistable</b>.</li> <li>— Made persistent by: postprocessor, preprocessor and modified virtual machine.</li> <li>— Persistent passed on by <b>reachability</b></li> </ul>	<p><b>Questions:</b></p> <ul style="list-style-type: none"> <li>— How to over come the impedance mismatch?</li> <li>— How fast is an ODBMS?</li> </ul>	<p><b>Future Work:</b></p> <ul style="list-style-type: none"> <li>— Benchmark an ODBMS against an ORM with a RDBMS</li> <li>— Measure developer productivity.</li> <li>— Investigate standards.</li> <li>— Investigate ORDBMS's.</li> </ul>