

This paper details the use of object-oriented database db4objects (db4o), ASP.NET 3.5, MVC architecture, and the Visual Studio IDE (Integrated Development Environment) to develop a three tier web application. The major contribution of this paper is to show how a three tier web application can be easily developed and deployed by taking advantage of an object-oriented database instead of using ADO.NET or Datasets that access traditional relational databases. A sample web application called the “Fee Management Tool” is developed to illustrate how a db4o database can be used as a back-end database and how the Visual Studio 2008 IDE can be used to run the db4o plug-in. The benefits and some concerns about db4o are also discussed at the end of the paper.