

FYP Proposal Form September 2005

Developer: Justin Spiteri

Title	An Extensible Transaction Model Based Framework
Lecturer	Mr. Patrick Abela
Subject Areas	Transaction Handling, Transaction Models
Summary	This project will involve the research and application of transaction models to a system which will be implemented, with the sole purpose of handling compound transactions which may also have a long lived nature.
Description	The main idea of this project is the concept of handling complex transactions in as efficient a manner as possible, by exploiting the power of formal currently available transaction models, or the amalgamation of one or more into a custom based model. This model will be implemented into a transaction handling engine which will offer the possibility of handling all the intricate problems, interdependencies, and other issues of compound long lived transactions, thus solving a problem which is existent in today's real world remote transaction business. The transaction handling services, will possibly be offered remotely (web service), over multiple platforms. The project can be classified as Research & Development, since a generous amount of effort will be dedicated to researching transaction models (possibly together with transaction performance enhancing heuristics) before implementation of the actual software commences.
Deliverables	Documents, Software, Presentation, etc.
Prerequisites	Good programming knowledge, .NET or Java Technology, sound research about transaction models and their operation.
Resources	Various research references and development in one of the above languages mentioned languages.
References	The Ansa Project (www.ansa.co.uk) Microsoft MSDN Various Java Technology based sites Mr. Patrick Abela More to follow...

Lecturer's Signature:

Student's Signature:

Mr. Patrick Abela

Justin Spiteri (143083M)