CLIENT MANAGEMENT PROJECT

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In 2003, Susan Jenkins a student in the Bachelor of Information and Communications Technology (Applied) degree, undertook an Industry project for an orthotics business in Palmerston North. This project performed the analysis for the development of an extensive reporting database.

In 2005, Gareth Griffiths completed the second phase of the project – implementation of the proposed solution.

While the original analysis was performed using the Yourdon systems analysis methodology, it was decided that the final application would be best implemented in JADE, taking an object-oriented approach to development. This meant that the initial analysis was modified and adapted to use the Unified Modelling Language (UML) to model the system.

As part of the initial project, a prototype was created using the waterfall approach. Again Gareth, based on observation and further discussion with both the sponsor and academic sponsor, was required to scrap the prototype and development methodology. He did so in favour of an evolutionary prototyping methodology in which more frequent consultation with the sponsor was required to further pinpoint the extensive requirements and develop the analysis documentation.

The final outcome of the project was the delivery of a functional application developed solely in JADE. The application contains 60 forms that allow users to create, read and update records in the database. The application also includes 22 reports for business and government reporting.

In addition to the modification and development of the analysis and development of the application, Gareth created a report discussing version control methods and tools and a paper comparing the relational and object-oriented analysis methodologies.

Like it's predecessor, this project has led to the recommendation of the creation of another project in which the application undergo stringent testing and conversion of existing data to the new JADE application