

DEVELOPMENT OF A DOCUMENTATION METHODOLOGY FOR SOFTWARE LIFE CYCLE AND
APPLICATION OF THE SAME USING INVESTMENT PORTFOLIO MANAGEMENT AND MARGIN
TRADING SYSTEM.

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ABSTRACT

DOCUMENTATION is a critical factor in every stage of the Software Life Cycle and it has been a root cause for many system failures. In many instances the failures of software development projects have, in some form, been due to lack of documentation. This factor is equally or more important than Design, Development and Implementation of well engineered systems. In a commercial development environment, some methodology and guideline towards proper *DOCUMENTATION* is very essential for every body to follow.

The ability to implement such Methodology in the real world practical systems is another important aspect. Developed Methodologies should be practically tested before acceptance as standards.

This dissertation proposes and develops such *DOCUMENTATION METHODOLOGY* and practically tests it using an application system in a Merchant Banking environment.

In the process of preparing this dissertation the author looked at a serious problems in the local software industry from a practical viewpoint and tried to develop a pragmatic solution for this well known but unsolved problem of *DOCUMENTATION*.

With the authors experience in the industry the Methodology was proposed with a clear demarcation between Pre-design and Post-design documentation of the Software Life Cycle. This approach was taken to make it possible to separate the design staff from the developmental staff.