# Analysis Documentation

## CITE Business Rules for Software Development

CITE Managed Services (CITE MS) develops software for a range of clients. CITE MS has employees but they utilise external contractors when necessary and all of them must adhere to the company policy.

CITE MS uses Software Development Life Cycle (SDLC) as a process to design, develop, test, and maintain high quality applications. To ensure that any software that will be developed will be adequately documented and tested before it is used for sensitive client information, the SDLC should at least address the following areas:

* Preliminary analysis or feasibility study
* Risk identification and mitigation
* Systems analysis
* Design specification
* Development
* Quality assurance
* Implementation
* Post-implementation maintenance and review

Coding standards must be followed when developing applications for or at CITE MS. To ensure security is rigorously maintained for the production system while the development and test environments can maximise productivity with fewer security restrictions, there must be a separation between the production system, development and test environments. Also, development and test staff must not be permitted to have access to production systems.

## CITE Managed Services Quality Assurance

CITE MS has established processes that evaluate project performance, assure that quality standards are being followed, and that the deliverables comply with customer requirements. A Quality Management System (QMS) has been implemented which comprises a complex set of engineering and managerial activities that ensure quality of delivered software throughout the entire workflow. QMS Tasks and Objectives are the following:

* Elaboration and implementation of procedures and regulations for software development process based on industry standards and best practices;
* Product lifecycle monitoring to ensure compliance with established processes and guidelines
* Product quality verification and validation to ensure that it complies with clients’ business needs and expectations;
* Establishment of an effective collaboration between all project team members.

## Acme Entertainment Pty Ltd Development Requirements

Acme Entertainment have commissioned the movie database project and CITE MS have presented a prototype. However, its user interface is designed primarily for desktop computers and Acme requires it to function correctly on major platforms (desktop computer, tablet, and cell phone). To accomplish this task, the interface must utilise either adaptive or responsive design. The project can be hosted on the cloud or a suitable local server.