**System Design Specification**

**for**

**Project Title: aaa**

**Project Code: aaannn**

**Version: x.x**

**Date: dd/mm/yy**

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# Document Management

*When completing this document, please mark any section that is not required as ‘N/A’. A brief description of why the section is not required should also be included.*

## Contributors

Please provide details of all contributors to this document.

|  |  |  |
| --- | --- | --- |
| **Role** | **Unit** | **Name** |
| Systems Analyst Designer (Owner) |  |  |
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## Version Control

Please document all changes made to this document since initial distribution.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Version** | **Author** | **Section** | **Amendment** |
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# OVERVIEW

Provide a general overview of the system design so that anyone reading this section is able to gain an understanding of what functionality is provided and how this functionality will be technically implemented.

# DEVELOPMENT TOOLS AND STANDARDS

## Development Tools

Specify which technologies will be used to develop the application, eg Oracle 9i, Cold Fusion MX, Oracle Forms, Business Objects, Java, PL/SQL etc.

## Development Standards

Tick the appropriate box to indicate the standards being followed for this application:

|  |  |
| --- | --- |
| **Standard** | **√ indicates compliance** |
| Database Design |  |
| Cold Fusion |  |
| Java |  |
| Uportal Development |  |
| Accessibility |  |
| Web Style Standards |  |
| Supported Web Browsers |  |
|  |  |
|  |  |

# SYSTEM PROCESSES

Take each process specified in the Business Requirements Document (BRD) and state how it will be implemented technically (please make reference to the corresponding paragraph number in the BRD). Where applicable, a specification of each screen which makes up a process should be provided (ie a screenshot and descriptions of every data item displayed).

All paragraphs should be numbered to assist cross referencing in testing stages.

# USER INTERFACE

## Transactional Interface

Use this section to link to an application prototype built by a Designer. The screens should be built in conjunction with the business partner.

If this section is not applicable then please state why.

## MyEd Interface

*Where a MyEd channel is being used to deliver some or all of the transactional interface, provide design details here.*

*Note that a Channel Publishing Template (one per channel) should be completed and linked to this document. The information in this template will form the basis of the channel publishing information used in MyEd when building channels.*

## Reporting Interface

Where applicable, please state how reporting is to be delivered, eg Webi, HTML.

The design of any pre-written reports should be specified, and if Webi is to be used, the Universe should be defined (ie classes/measures/dimensions and source data).

# APPLICATION SECURITY

This section relates to application rather than physical security which is covered in the Technical Architecture Document (TAD).

## Authentication

## Authorisation

Include application, menu and page authorisation and any application roles.

## Business Objects

Include any specific object/row authorisation.

# DATABASE DESIGN

Insert an Entity-Relationship Diagram of the system. If new tables have been added to an existing system then highlight these in your ER Diagram (full diagram of existing system not needed).

Full specifications should be provided for all new tables/views/columns in the system (ie name, datatype, mandatory, default values, constraints).

# APPLICATION INTERFACES

Provide technical details of any inputs to the system from other applications and any outputs from the system to other applications. Full data specifications should be included. Identify possible impact on existing processes.

# DATA

## Data Migration

Include any mappings between existing systems and the new system

## Archiving Policy

# IMPLEMENTATION

Specify any implementation issues that should be considered when creating an implementation plan at the Build stage.