|  |  |
| --- | --- |
|  | |
| CAESAR-logo.png | |
| System Design Model | |
| Version: 1.0  21/10/2009 | |
|  | |
| Authors: | Reviewers: |
| George Ng | Matthew Close |
|  | Mark Isherwood |
|  | Jamie Stevens |
|  | Paul Hames |
|  |  |

|  |
| --- |
|  |

**Executive Summary**

This document outlines the system design for the Students at Risk Project. The content contained in this document is designed to represent the design models as understood by CAESAR (Coordinated Assistant Enterprises Students at Risk)

Table of Contents

[1 Introduction 4](#_Toc246914145)

[1.1 Purpose 4](#_Toc246914146)

[1.2 Scope 4](#_Toc246914147)

[1.3 System Description 4](#_Toc246914148)

[2 Sequence Diagrams 5](#_Toc246914149)

[2.1 SD01 Maintain Student 5](#_Toc246914150)

[2.1.1 SD0101 Add Student 5](#_Toc246914151)

[2.1.2 SD0102 Search Student 6](#_Toc246914152)

[2.1.3 SD0103 View Student 7](#_Toc246914153)

[2.1.4 SD0104 Edit Student 8](#_Toc246914154)

[2.1.5 SD0105 Archive Student 9](#_Toc246914155)

[2.2 SD02 Maintain User 10](#_Toc246914156)

[2.2.1 SD0201 Edit Permissions 10](#_Toc246914157)

[2.2.2 SD0202 Add User Availability 11](#_Toc246914158)

[2.2.3 SD0203 Delete User Availability 12](#_Toc246914159)

[2.3 SD03 Maintain CSV File 13](#_Toc246914160)

[2.3.1 SD0301 Import CSV File 13](#_Toc246914161)

[2.4 SD04 Maintain Meeting 14](#_Toc246914162)

[2.4.1 SD0401 Add Meeting 14](#_Toc246914163)

[2.4.2 SD0402 Record Meeting 15](#_Toc246914164)

[2.5 SD05 Generate Reports 16](#_Toc246914165)

[2.5.1 SD0501 View All Students 16](#_Toc246914166)

[2.5.2 SD0502 View Student by Teacher 17](#_Toc246914167)

[2.5.3 SD0503 Custom Search 18](#_Toc246914168)

[2.6 SD06 Prompt User with Updates 19](#_Toc246914169)

[2.6.1 SD0601 New Student at Risk 19](#_Toc246914170)

[2.6.2 SD0602 Prompt User Outstanding Records 20](#_Toc246914171)

[3 Class Diagram 21](#_Toc246914172)

[4 Database Design 22](#_Toc246914173)

# Introduction

## Purpose

The purpose of this document is to provide detailed design models for the Student at Risk System created by CAESAR software.

## Scope

This document provides an overview of the functionality of the proposed system in graphical formats. The System Diagrams, class diagram and database provided in this document will help the stakeholders gain a better understanding of the system’s structure and functions.

## System Description

Swinburne required CAESAR software to develop an application which will enable Users to add, track and maintain students who are making unsatisfactory progress in their studies.

The system will enable:   
•Students identified as “at risk” are logged by a teacher,   
•Creation of appointments by administration staff between the staff and the student.   
•Attendance of “at risk” students and appointment outcomes to be recorded.  
•An ongoing issue tracking record to be maintained  
•Data connectivity to existing systems  
•Automatic appointment scheduling in groupwise

# Sequence Diagrams

## SD01 Maintain Student

### SD0101 Add Student



### SD0102 Search Student



### SD0103 View Student



### SD0104 Edit Student



### SD0105 Archive Student



## SD02 Maintain User

### SD0201 Edit Permissions



### SD0202 Add User Availability



### SD0203 Delete User Availability



## SD03 Maintain CSV File

### SD0301 Import CSV File



## SD04 Maintain Meeting

### SD0401 Add Meeting



### SD0402 Record Meeting



## SD05 Generate Reports

### SD0501 View All Students



### SD0502 View Student by Teacher



### SD0503 Custom Search



## SD06 Prompt User with Updates

### SD0601 New Student at Risk



### SD0602 Prompt User Outstanding Records



## Class Diagram



## Database Design

