

CSCE 156 PROJECT

CCC Invoice System Documentation

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Document describing *CCC* System design implementing an
Invoice Manager.

Revisions and Updates

Version	Description	Author(s)	Date
<i>0.1.0</i>	Data converter between old system to new readable system format (XML/JSON)	Jacob Charles Alexis Kennedy	02-13-2013
<i>0.2.0</i>	Data Summary Return	Jacob Charles Alexis Kennedy	N/A
<i>0.3.0</i>	Database creation for Object data	Jacob Charles Alexis Kennedy	N/A
<i>0.4.0</i>	API for Object databases	Jacob Charles Alexis Kennedy	N/A
<i>0.5.0</i>	Data organization and sorting for portfolio database	Jacob Charles Alexis Kennedy	N/A
<i>0.6.0</i>	TBD	Jacob Charles Alexis Kennedy	N/A
<i>1.0.0</i>	Release for version one of CCC Finance Invoice Manager system	Jacob Charles Alexis Kennedy	N/A

Note: Bug updates will not be included in this log!

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1 Introduction

Project notes, and information to better understand the document.

1.1 Document Purpose

The purpose of this document is show an overview the technical design of the Cinco Computer Consultants (CCC) Invoice System.

Main points:

- Inform the link of the functional requirements and detailed Technical Design Document
- Show the functionality of each component, and show the relationships between entities of components along with their grouping
- Provide the framework of the development process and design

This document is intended for the technical minded person. Over time the document will be updated as the development process progresses. Each major, and minor update will be noted. However, bug fixes will not be included. Note that software version *x.x.x* is sorted as *Major.Minor.bug* patches.

1.2 Project Scope

Cinco Computer Consultants provides various products to companies. An invoice system to support the business model will be designed by the principals and guidelines as stated by the document.

1.3 Acronyms, Abbreviations, and Terms

Definitions

Term	Value
<i>API</i>	Application Program Interface
<i>CCC</i>	Cinco Computer Consultants
<i>JSON</i>	JavaScript Object Notation
<i>SQL</i>	Structured Query Language

<i>UML</i>	Unified Modelling Language
<i>XML</i>	Extensible Markup Language

1.4 Document Organization

For organization, this document has been split into the following:

Sections

Section Name	Description
<i>Introduction</i>	Project notes, and information to better understand the document

2 Design Overview

2.1 Approach

2.2 Architectural Goals and Constraints

2.3 Design Principles

3 Database Design

3.1 Entity Relation Model

3.2 Tables

3.3 Reporting Solution

4 Object Model

5 Data Structure