

# MaroonPrint

## Data Design Document

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo  
Faculty Member  
Department of Computer Science  
College of Engineering  
University of the Philippines, Diliman

Submitted by:

Lee, Kristine-Clair  
Magno, Hannah Mae  
Wu, Jeremy Jin Qian

In partial fulfillment of Academic Requirements  
for the course  
CS 191 Software Engineering I  
of the  
1<sup>st</sup> Semester, AY 2014-2015

### ***Unique Reference:***

The documents are stored in the <https://maroonprint.tumblr.com/project-deliverables>.

[File Reference in project repository, preferably link.]

### ***Document Purpose:***

The purpose of this document is to help the developers by creating a model of the data in a more implementation specific representation, as represented in this document.

### ***Target Audience:***

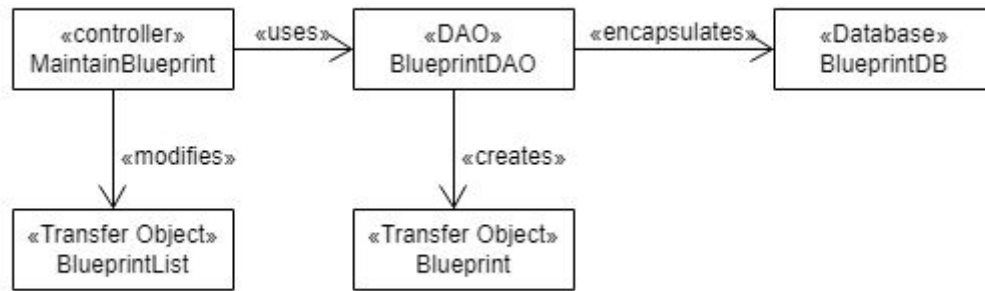
University of the Philippines Diliman engineering students, faculty, and other personnel and also people who are assigned in maintaining the fire exits.

### ***Revision Control***

#### *History Revision:*

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Contribution/Modification</i></b>
10/17/2018	Kristine-Clair Lee	1.0	Initial Document; Added data design; Filled out tables for DAO and TransferObject
10/22/2018	Jeremy Jin Qian Wu	1.1	Made the table. edited the format.
10/22/2018	Hannah Mae Magno	1.2	Populated data for the tables

*Data Design:*



*Data Access Object (DAO) or DBClasses:*

Class Name	Description
BlueprintDAO	This data access object is responsible for getting blueprint data from the database.

*TransferObject or Persistent Classes:*

Class Name	Description
BlueprintList	This transfer object or persistent class is responsible for holding a list of all blueprints.
Blueprint	This transfer object or persistent class list is responsible for holding a blueprint record.

**Database Name:** BlueprintDB

**Description:** This is the database that contains all the blueprint records for the MaroonPrint system.  
The following are the list of table:

Tables	Descriptions
Building	It contains the record of all the buildings belonging to engineering in UPD.
Blueprint	It contains the record of all the blueprints per building.

### Logical Database Design:

#### Building

ID	Name
INT	VARCHAR(100)
1	College of Engineering
2	Electrical and Electronics Engineering Institute
3	Department of Computer Science
4	Institute of Civil Engineering
5	Department of Mining, Metallurgical, and Materials Engineering
6	Department of Chemical Engineering

#### Blueprint

ID	Name	Date_Updated	Description
INT	VARCHAR(250)	DATE	VARCHAR(250)
3	DCS 2nd Floor	October 15, 2018	This blueprint contains the 2nd floor of the building.
3	DCS 3rd Floor	October 15, 2018	This blueprint contains the 3rd floor of the building.