

# REQUIREMENTS DEFINITION

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## Yale School of Art

Website Design Project

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**Prepared by:**



**Version 1.0**

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Prepared for Yale School of Art by Dream Team Designs

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**Version 1.0**

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## **REVISION HISTORY**

REVISION	SECTION	DESCRIPTION	EDITOR	DATE
1.0		Original Document	KJB	09/26/2015

# EXECUTIVE SUMMARY

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## INTRODUCTION

The Yale School of Art wishes to update its current web presence. The purpose of the Yale School of Art’s website is to showcase the art created by existing students, act as a resource for students to discover upcoming events, and to recruit new students to the school. The goal for the finalized website is a clean, professional design that reflects the existing brand for Yale University while also having its own look and feel as an art school.

## PURPOSE OF THIS DOCUMENT

This document contains all User-level and System-level requirements for this project.

## SPECIFIC TERMS AND ACRONYMS

Terms here are specific to this document. Refer to “Project Glossary” for a more comprehensive list of terms used in this project

TERM OR ACRONYM	DESCRIPTION
CMS	Content Management System – a web based application that allows administrators to create, edit and manage content.
HTML	Hypertext Markup Language – the language used to create websites.
CSS	Cascading Style-Sheets – the language used to create and maintain styles.
FTP	File Transfer Protocol – method of uploading/downloading source files.
SQL	SQL – a special-purpose programming language designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS).
JavaScript/JS	JavaScript – an object-oriented computer programming language commonly used to create interactive effects within web browsers.

## **USER ROLES**

Roles played by various users that interact with the business process or system described below

<b>ID</b>	<b>ROLE</b>	<b>DESCRIPTION OF ROLE AND ACTIVITIES PERFORMED</b>
UR1	Site Admin	People who are authorized to create, edit, manage all aspects of the website
UR2	Faculty Member	School personnel - able to create/edit/manage some/most content
UR3	Student	People presently attending the school, likely submitting photos to the gallery, looking for event information/registration, registering for courses, etc.
UR4	Alum	People who attended the college in the past, likely looking for events or browsing the work of current students
UR5	Potential Student	People considering applying for admittance into the school, likely looking for information such as admissions, financial aid, programs, etc.
UR6	General Visitor	People browsing the site or looking for more information

# PROJECT REQUIREMENTS DEFINITION

## ASSUMPTIONS

Items intended to alert management to factors that might have an effect on the implementation of the requirements. They are not requirements themselves, but help validate the accuracy of the requirements and must be validated as true. Business assumptions are provided to the project team to inform them of key stakeholder expectations. Requirements assumptions are added by the Requirements Lead to transfer business domain knowledge to the project team.

ID	ASSUMPTION STATEMENT
A1	The domain name and hosting will remain with the current provider and under the Yale School of Art's ownership.
A2	Yale School of Art will supply all necessary content by October 7 <sup>th</sup> 2015.
A3	Yale School of Art will provide all required assets such as fonts or color palettes.
A4	Yale School of Art will provide timely and detailed feedback, and signing off on iterations of the site.
A5	Yale School of Art will provide access to any employees that may be relevant to this project for feedback, content, or other information.
A6	Yale School of Art will provide FTP login information and all necessary source files.

## CONSTRAINTS

Anything that puts limits on implementing the requirements. "Constraints can be economic, political, technical, or environmental and pertain to your project resources, schedule, target environment, or to the system itself."

ID	CONSTRAINT STATEMENT
C1	Budget of \$7,000.
C2	The re-design must be completed by the end of December.
C3	Hosting will be retained, therefore the re-design must be able to function on the existing server.
C4	The user's technical experience.

## *Yale School of Art – Requirements Definition*

C5	The user's connection type and speed.
C6	The Yale staff's availability for meetings.

## **DEPENDENCIES**

Any external event, condition, or system that must be in place for a requirement to be valid

ID	DEPENDENCY STATEMENT
D1	Web hosting must remain in effect.
D2	Domain name must remain active and with current provider.
D3	Funding for the project must be approved.
D4	A SQL database must be set up with the proper tables created.
D5	A CMS must be installed and necessary staff must be trained.
D6	Google Analytics must be installed to track clicks.
D7	Content is supplied in proper format by deadlines.
D8	Calendar is installed and tested.
D9	Gallery tool is installed and training is provided.

# REQUIREMENTS

## BUSINESS REQUIREMENTS

Business-level requirements are written from the sponsor's perspective. The business requirements identify the reason why the project is being done as well as the benefits to the business. Business requirements are typically documented early in the project life cycle, or the planning phase of the project, and are frequently documented in the project management deliverables.

ID	BUSINESS REQUIREMENT STATEMENT
B1	Recruit new students to the Art school.
B2	Provide students with a way to view and register for upcoming events.
B3	Implement a gallery where student's work can be showcased.
B4	Establish social media accounts as a means to connect with current and future students.
B5	Create a design that looks professional and maintains the integrity of the Yale name.
B6	Provide a way for select staff to be able to create, edit and manage content for the website.
B7	Advertise staff bios and expertise to support the message of quality education.
B8	Create a student facing interface that allows students to upload photos to submit for the gallery.

## USER AND FUNCTIONAL REQUIREMENTS

User-level requirements are written from the user role's perspective. Functional requirements are written from the system's (features or functions) perspective. What must the system do to support the user role?

The 'Review Date' column is used to track the most recent date that the requirement was validated

### PRIORITY

<b>H</b>	<b>High</b>	<b>MUST have</b>
<b>M</b>	<b>Medium</b>	<b>Should have</b>
<b>L</b>	<b>Low</b>	<b>Nice to have / could live without</b>



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REQ ID #	USER AND FUNCTIONAL REQUIREMENT STATEMENTS	USER ROLE ID COMMON ID	PRIORITY H/M/L	COMMENTS
Goal U1	Create, edit and manage content.			
U1.1	I want to be able to manage the content on the website.	UR1, UR2	H	
U1.1F1	A CMS would support a user that wants to create, edit and maintain content.			
Goal U2	Recruit new students.			
U2	I want to be able to apply online for the school.	UR3	H	
U2.1F1	An online enrollment/application form would support a user that wishes to have the ability to apply online.			
Goal U3	View and register for upcoming events.			
U3	I want to be able to view and register for events at the school.	UR2, UR3, UR4, UR5, UR6	M	
U3.1F1	A calendar of events would benefit any user that wishes to see what's coming up.			
U3.1F2	An online registration form attached to each event would support a user who wishes to register for upcoming events.			
Goal U4	Galleries showcasing student work.			
U4	We want to display student work on the site.	UR3, UR4		
U4.1F1	An online gallery with permissions for students to upload images to would support users who wish to showcase student work.			

## CONCLUSION

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Presently the Yale School of Art website leaves a lot to be desired. The site is being presented as a Wiki / content source and students have the ability to update the site as they please as well as change the background image for each page. As a result, the website looks unprofessional and does not reflect the fact that the Yale School of Art is a prestigious Ivy League school and likely causes potential students to question the type of education they would receive if they attended the university.

There are many opportunities to improve the existing site. Some of the areas that can be improved include: a better online application/enrollment form; an easier method for viewing upcoming events and registering for them; dedicated faculty and student interfaces on the site; a better photo gallery for showcasing student work; and a means for authorized personnel to create, edit, and manage content on the website.

With improvements to the selected areas as well as the implementation of new features, conversion from a potential student to an enrolled student will surely occur at an increasing rate.