

# DAM Course Project

## 2019

2019-10-10

# Goal

- Build a **simple** but **useful** DAM system (more than CMS)
  - determine your application
  - design data model
  - provide services
  - the front-end can be run on mobile device (H5 web or App)
  - (optional) in a Raspberry PI board

# An application

- 3 choices:
  - 2D Image
  - 3D Graphics
  - Music
- Select one platform :
  - Browser based (Recommend, WebGL, H5)
  - App (Android / iOS)
  - PC Desktop (Unity / UE4)

# Data Model

- Database: **SQLite**  
**(or MySQL, MongoDB)**
- Just use designed folder structure in a file system

# Requirements

- The client side of your system must be **web-browser (B/S architecture)**
  - **or with a front-end of mobile app**
- The server side could be in:
  - **Linux (ubuntu, raspberry pi)**
  - **Windows 7/XP**
- The web page must be in **HTML 5**
- **python or Node.JS (recommended)**

# 媒资管理系统[共40分]

- 考察要点：
  - 课程内容 [满分10分]
  - 代码开发 [满分10分]
  - 创意设计 [满分10分]
  - 团队组织 [满分10分]

# 媒资管理系统[共40分]

- 可考虑增加的课程功能
  - DRM，数字版权管理
  - 数字水印
  - 统一格式与媒体格式转换
  - 数据的版本管理
  - 内容计费与设计

# 资源管理小系统[共40分]

- 可考虑增加的一些功能 [酌情加分]
  - 流程管理
  - 云存储
    - 能够打通aliyun oss 或者baidu云盘
- 我没有想到的其他有价值功能



# Organization

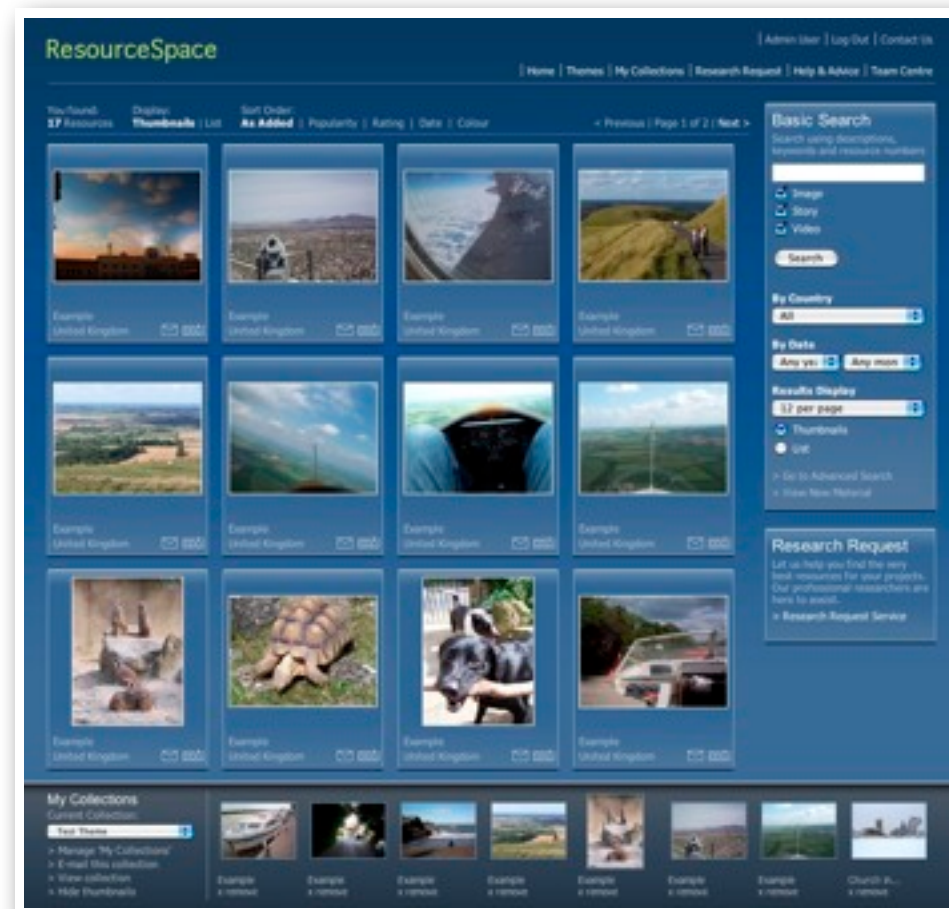
- One project team with 4~5 people
  - 1 leader (designer or architecture)
  - 1~2 programmer
  - 1~2 testing
  - 1~2 content management

# Hand out

- **5** min presentation
- **3** documents on
  - design (1~2 pages)
  - key techniques (1~pages)
  - testing report / user menu (1~2 pages)
- **1** run-able system (with demo video)
  - please hand out **code** as well

# Reference

- Resourcespace: open source DAM  
<http://www.montala.net/resourcespace.php>



# Reference

- <http://www.razuna.com/>
- Content Management System
- CMS + PHP
- <http://www.php-open.com/9.htm>

# Reference

- Flask
- Jinja 2
- Werkzeug
- modwsgi

# The life cycle of your project

Stage 1: idea, organize and design

Stage 2: implementation

Stage 3: maintaining and enhancement

# Help and Support from [www.aliyun.com](http://www.aliyun.com)

1. Online fundamental services:  
VM, HTTPD, DB, cloud storage
2. Technique support
3. Small Award / gift for winner  
phone, VM or pad?

# Important date

- Organization: 2019-10-10
  - 1 minute representation for main idea
- Project representation: 2019-11-xx
  - the 16-th (last) lesson,  
5~10 minute demo
- Final hand out: 2019-11-xx + 10 days