MEDIA ASSET MANAGEMENT

CDEEP

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PROJECT OVERVIEW

- A professional software repository which allows users to store any digital asset.
- Software will centrally store and manage all digital assets.
- Dynamic organization structure.
- Gives the limited access to users with tracking feature.
- One place for all your queries.
- Videos + Documents + Images + Slides + Audio.

RECAP

- Why use a framework.
- Various PHP frameworks available.
- Why use YII.
- GII AND CRUD.
- Form for organisation registration.
- OU structure represented by JSTREE.

TASK ASSIGNED FOR THIS WEEK

- Database connection of JSTREE.
- ER Diagram.
- Views, Layouts of various forms for registration and adding information.
- Admin Module.
  - Manage OU
  - Add and manage tags
  - Add and manage categories
  - Add and manage roles
  - Add and manage users
  - Add and manage permissions
- Add Asset Module(File Upload)
- Online Viewer and Editor.
- User Module.
- SMTP Mail.

CONTROL FLOW

⇒ Registration of organisation
⇒ Email Verification by Organisation
⇒ Mail to Admin to reject or accept
⇒ If accept, Mail to org with details
⇒ Login
⇒ Change Password
⇒ Admin Module
⇒ Add Departments to OU

CONTROL FLOW

⇒Add and Manage Tags

⇒Add and Manage Categories

⇒Add and Manage Role

⇒Add and Manage Users

⇒Add and Manage Module

⇒Add and Manage Permissions

⇒Add and Manage Assets

⇒Online view and edit

ORGANISATIONAL UNIT

- **Represented by JSTREE**
  - Tree graphic manipulation of an Active Record with Nested Set behaviour using JSTREE plugin.
  - GII Model and Crud templates generates a graphical user interface (tree) for nested set model administration.
  - With the help of JSTREE and FANCYBOX plugins, all CRUD operations on a nested set model are done with nested behaviour. Features include : Create, Rename, Delete, Update, Properties, Drag and Drop
  - Works using nested set implemented using pre post tree traversal algorithm.
  - Table Attributes : Department id, Department name, Root, Left, Right, Level, Org id

ADMIN MODULE

- Manage OU : Organisation can add, rename, move, delete departments and sub departments.
- Add tags and categories.
- Can add and manage roles.
- Can add and manage users, assign role to them.
- Can add and manage Modules.
- Can add and manage Permissions.
- Can assign Role based permissions to modules.

CHECK OUT

- Online viewer for PDF.
- Using QPDFJS Extension.
- Embedded PDF file in web using pdf.js library.

- Online editor.
- Using YII Wheels extension.
- Embedded editor.

PROBLEMS FACED

- Has a large codebase thus can lead to frequent bouts to find the proper function.
- SMTP Extension for mail send.
- Getting data from checkboxes in C Grid View.
- Coding errors in some extensions
  (Example: C File Upload).

FURTHER ENHANCEMENTS

- SMTP Mail
- Folder Structure for each Organisation.
- Encryption of uploaded files.
- User Module with limited access and permissions.
- Check in(Upload option + Version Maintenance)
- Log4php

REFERENCES AND IMPLEMENTATION

- **Agile Web Application Development with Yii1.1 and PHP5 PDF**

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- www.getyiistrap.com

- http://yiiwheels.2amigos.us/

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- http://www.yiiframework.com/extension/qpdfjs/

Thank you

CDEEP: MAM