adapt_authoring module break-down

This document gives a brief outline of how the existing application may be split into modules.

Modules

adapt_authoring: root module

core: app-wide abstract classes/utilities

adapt: handles adapt output

assets: asset management

config: app configuration

frontend: front-end UI

l10n: localisation utility (polyglot)

localauth: username/password authentication

localfs: filesystem storage

logger: message logging

mailer: emailing

mongo: MongoDB

permissions: permissions handling (mostly Express middleware)

roles: role management

server: Express app

tenants: tenant management

users: user management

File map

The below maps the existing source files to their new modules.

```
conf adapt_authoring
```

frontend/src/ frontend

lib/

dm1/

```
mongoose/ mongo
```

importer.js

index.js

types.js

schema/system/

asset.schema assets

basicContent.schema

content.schema

plugin.schema

policy.schema permissions

policyStatement.schema permissions

role.schema roles

subscription.schema x removed x

tenant.schema tenants tenantObject.schema tenants

trackedObject.schema

user.schema users

userPasswordReset.schema users

role/
conf/roles.json ??

AuthenticatedUser.json

CourseCreator.json

ProductManager.json

SuperAdmin.json

TenantAdmin.json

templates/passwordReset/ users

application.js core & server

assetmanager.js assets

auth.js localauth

bowermanager.js

configuration.js config

contentmanager.js

database.js mongo

filestorage.js localfs

frameworkhelper.js adapt

helpers.js core

installHelpers.js core?

logger.js logger

```
mailer.js
                                   mailer
  outputmanager.js
                                   adapt
  permissions.js
                                   permissions
  pluginmanager.js
  rest.js
                                   core/server
  rolemanager.js
                                   roles
  router.js
                                   core/server
  tenantmanager.js
                                   tenants
  usermanager.js
                                   users
plugins/
  auth/local
                                    localauth
  content
  filestorage/localfs
                                    localfs
  output/adapt
                                   adapt
routes/
  config
                                   config
  download
                                   adapt
  export
                                   adapt
  index
                                   frontend
  lang
                                   110n
  loading
                                   frontend
  poll
                                   x removed x
  preview
                                   adapt
test/
                                   moved to each module
Gruntfile.js
                                   frontend
                                   x removed x
index.js
install.js
                                   adapt authoring
server.js
                                   adapt_authoring
upgrade.js
                                   adapt authoring
```