# Test Plan

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## Functional Requirements Testing

### Front Controller Subsystem Test Plan :

- Test front controller with home page request.

- Test front controller with a secondary page request.

- Test front controller with no page name and observe if it defaults to the home page.

- Test front controller with a page name that doesnt exist and observe if error page displays.

### Login Subsystem Test Plan :

- Test access to the administration area for non-authorized users, non-authorized users should be presented with a login page.

- Test whether valid login redirects to Page Management Subsystem.

- Test authentication of valid user email and password combination gains access to administration area.

- Test authentication of invalid user email address that does not gain access to administration area.

- Test whether logging out destroys user session and redirects to login subsystem.

### User Management Subsystem Test Plan :

- Test whether all authenticated users are listed.

- Test ability to create a user for further functional tests.

- Test ability to update user password.

- Test whether updating a user account to inactive denies access to administration area.

- Test ability to delete a user.

**Page Management Subsystem Test Plan :**

- Test whether all pages are listed.

- Test ability to create a new page for further functional tests.

- Test ability to update page name.

- Test ability to update page title.

- Test ability to update page content.

- Test ability to delete page.

# Non-functional Requirements Testing

**PHP Unit Testing :**

- PHPUnit will be used for all PHP unit tests.

**Javascript Unit Testing :**

- QUnit will be used for all Javascript unit tests.

**HTML Testing :**

- All HTML will be validated with an industry standard HTML validator.

**CSS Testing :**

- All CSS will be validated with an industry standard CSS validator.