

## Feature - Unit testing of added content

- Programmer: Ronnie Hoover
- Date: 4/18/18

## Problem Definition

New content added the wiki required unit tests to ensure continued functionality.

## Requirement

Test features added by the `ArchivePage` and `RestorePage` objects, as well as from the added function of `SearchHistory`.

Ensure that any testing does not leave pages within the database.

## User Stories

User story 1 - As a developer I would like to ensure that my teams code is properly being tested so that we have a better metric as to whether changes in the code cause any issues.

## Design

### User Story 1

#### Interface

- Test Classes: `test_core.WikiTestCase`, `test_web.TestArchivePage`, and `test_web.TestRestorePage`
- Action: Assert cases for specific functions.

#### Detailed Design

- Tests created are ran alongside prior standing tests.

## Implementation

- `test_store` stores an example markdown file to the database, then asserts that the content is accurate.
- `test_restore` stores an example markdown file, stores an alternate version of the same file to emulate a new commit of the same page. Then attempts to restore the first commit and asserts the original content matches
- `test_restoreDeleted` stores an example markdown file, then restores it to a new file. Then asserts that the file is present.
- `test_searchHistory` retrieves the current dictionary of changes, then asserts that the number of pages is equal to the number of distinct pages.