

Team Python

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Current Wiki System and Problems

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- ▶ Users can Log In with existing username and passwords
 - ▶ Cannot create new user account
- ▶ Create Pages with Title, Body, and Tags
 - ▶ No way to customize page beyond text
- ▶ Search for a Page using one tag inputted from User
 - ▶ Cannot search a Page using multiple tags. Makes it difficult to find a particular page

Goals

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- ▶ Increase traffic flow on Wiki web application
- ▶ Decrease complexity
 - ▶ Implementing complex features without increasing complexity
- ▶ Enhance User experience
 - ▶ Customization
 - ▶ Ease of Use

Features – Add the ability to search for pages by multiple tags

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- ▶ User Story/Requirements:

As a user, I want to be able to search by multiple tags so that I can more effectively find pages as their number increases

- ▶ Specifications:

- ▶ New page where users can select any number of the existing tags
- ▶ Once tags selected, may click search to display results
 - ▶ Results are links to pages which contain all of the selected tags

Features – Add the ability to cite sources

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- ▶ Contributors should avoid intellectual property issues and provide reinforcement and justifications for the information they share.
- ▶ Requirements:
 - ▶ As a contributor, I want to be able to easily cite my sources so that they follow a consistent format.
 - ▶ As a user, I want to be able to investigate the accuracy of the information provided so I can be confident that it is correct.

Features – Add the ability to upload images and files

- ▶ To allow Wiki pages to contain images and videos, we must allow contributors to upload files to the page.
- ▶ Contributors may also want to upload PDFs to the page that can be downloaded by users.
- ▶ Requirements:
 - ▶ As a contributor, I want to be able to upload images and diagrams to a Wiki page so I can provide examples.
 - ▶ As a contributor, I want to be able to upload documents for download so users can use them elsewhere.
 - ▶ As a user, I want to be able to download documents so that I can use them elsewhere.
 - ▶ As a user, I want to be able to view images and diagrams so that I can understand the topic better.

Features – Add the ability to create new user account

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- ▶ Requirements: As a user who is new to the platform, I want to create a new account so that I can access and utilize the platform's features and services.
- ▶ Test Plan:
 - ▶ Registration page
 - ▶ Registration submission
- ▶ Specifications:
 - ▶ A sign-up form so that user can register for a new account.
 - ▶ Once the registration is submitted and processed successfully, send a confirmation alert to user and do automatic login.
 - ▶ Otherwise, display errors to user.

Testing Plan

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- ▶ Pytest + Selenium IDE (or similar)
- ▶ Unit tests: Team Members
- ▶ Regression Testing: Team Leader
 - ▶ Weekly: Run all new unit tests with previous, making sure all pass
 - ▶ If any fail:
 - ▶ Re-engineer the failing test implementation

Name of the Game: Numbers

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- ▶ Number of Features: 4
- ▶ Number of Requirements: 8
- ▶ Number of Tests
 - ▶ Unit tests: 14
 - ▶ Acceptance: 7
 - ▶ Integration: 5

Milestones

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- ▶ Design Complete By: 11/10
- ▶ Implementation Complete By: 11/20
- ▶ Testing Complete By: 11/28

Conclusion

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- ▶ Add features that allow for customization for user pages
- ▶ Add features that allow multiple users to have access to their own pages
- ▶ Add features that allow users to register for new account
- ▶ With these additional features implemented, Team Python will increase the ease of use and customization available to users
 - ▶ This will increase traffic flow of web page
 - ▶ More traffic creates greater opportunity for valuable advertisements