


CS673 Software Engineering
Team X - Project Name
Tests Report

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Revision history

<u>Version</u>	<u>Author</u>	<u>Date</u>	<u>Change</u>
0	Group	06-14-2021	Initial version
<u>1</u>	Group	06-22-2021	Added code coverage info.

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Introduction

In this section, give a summary of this test report document.

This document will describe the testing activities performed during development of PassMan, such as the testing tools, testing categories and the result obtained from the test.

Test Summary

In this section, you will summarize what was tested and what happened, based on each test type. For example, you may have the following tests

- Unit Tests
 - Since most of our application depends on flask logic we are not having unit to unit test
- Integration tests
 - We use Python's unittest framework to test multiple endpoints, features, and workflows.
- System Tests
- Acceptance Tests
 - We manually conducted some [Acceptance tests](#)
- Regression Tests

Tests Reports

In this section, you will give a detailed description of each test case performed and the result. You shall list what are existing tests developed in the previous semester and what are new tests developed currently.

Here is a sample template that can be used for each test case. For system tests or acceptance tests, you may also include some screenshots.

- New or old:
- Test items: (what do you test)
- Test priority (high/medium/low)
- Dependencies (to other test case/requirement if any):
- Preconditions: (if any)

- input data:
- Test steps:
- Postconditions:
- Expected output:
- Actual output:
- Pass or Fail:
- Bug id/link: (this should link to your github issue id)
- Additional notes:

(You can use an additional spreadsheet for this section as well)

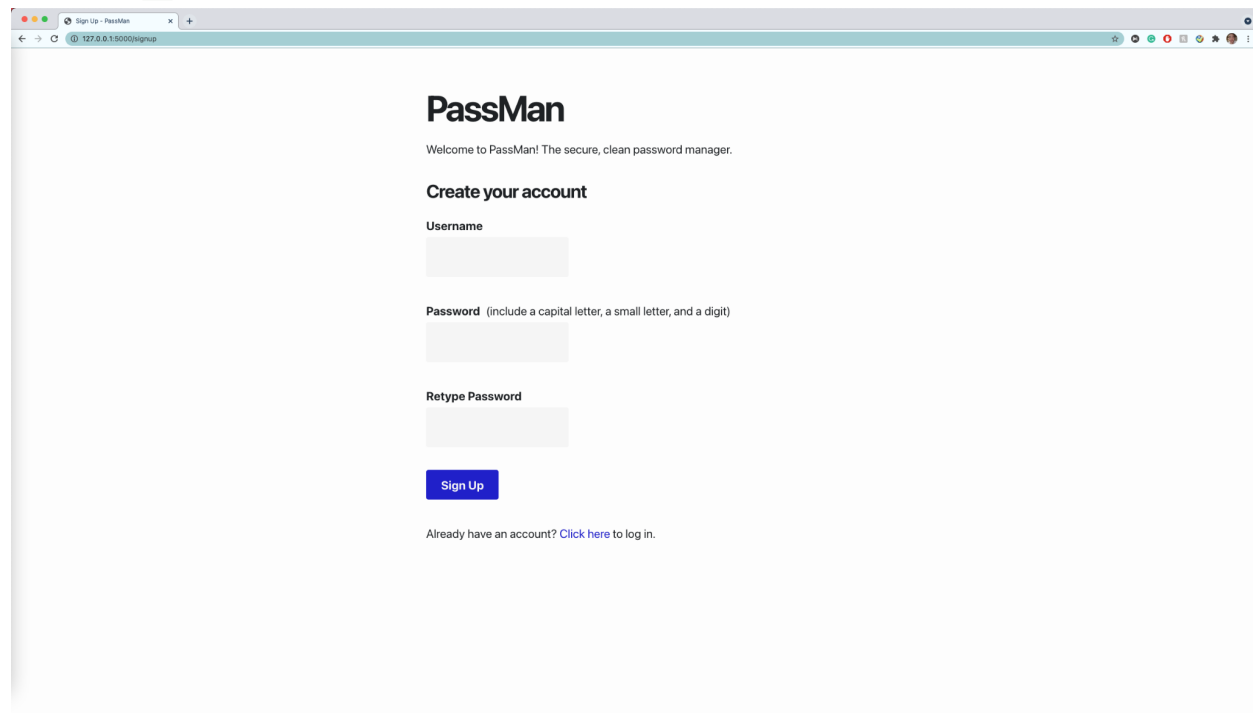
Test Case 0: (Manual acceptance tests)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
0	Manual test	Iteration 2	Iteration 2	High	Manual acceptance test	To test to see if the application is work from a user perspective	All tests passed; no failures were found.
Signup							
As a user I want to be able to have a signup page for pass man so that I could create my account							✓
As a user I want to be able to sign up an account for pass man with unique ID so that I know its my account							✓
As a user I want to be able to sign up an account for pass man with password so that I could keep all my password safe							✓
As a user I want to be able to successfully sign up for a pass man account so that I could start using pass man							✓
Login							
As a user I want to be directed to login page initially so that I could login into my account							✓
As a user I want to be able to have a option to sign up an account if I don't have an account initially so that I could use pass man							✓

As a user I want to be able to login into my passman account so that I could use pass man	✓
Application	
As a user I want to be able to logout of my passman so that I could keep it safe	✓
As a user I want to be able to add new account information so that I could store more account inside passman	✓
As a user I want to be able to delete unwanted vault items so that I could keep only the information I needed	✓
As a user I want to be able to delete unwanted vault items so that I could keep only the information I needed	✓

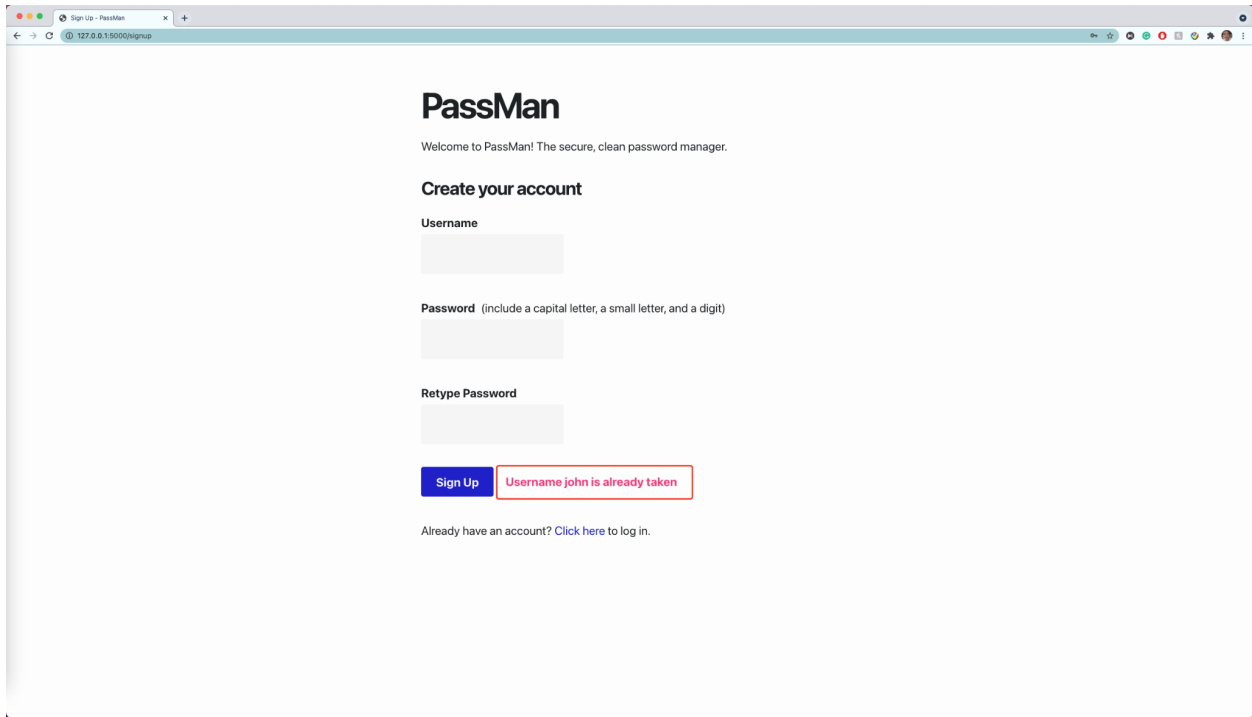
Signup

As a user I want to be able to have a signup page for pass man so that I could create my account - ✓



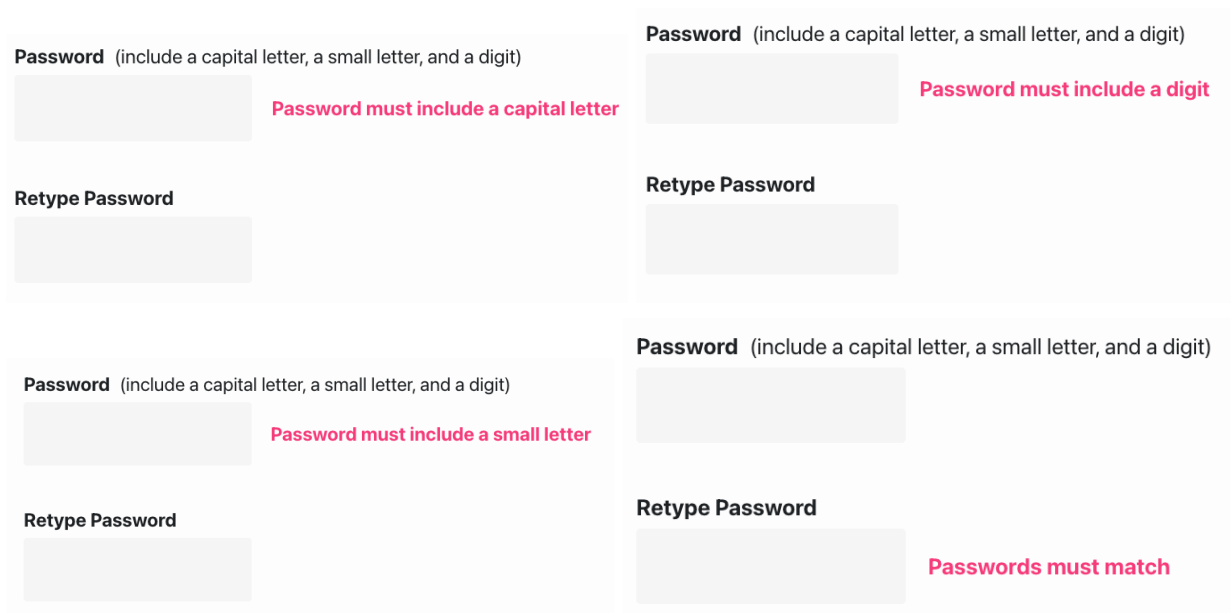
The screenshot shows a web browser window with the URL "127.0.0.1:5000/signup". The page has a white background with the "PassMan" logo at the top. Below the logo, it says "Welcome to PassMan! The secure, clean password manager." and "Create your account". There are three input fields: "Username", "Password (include a capital letter, a small letter, and a digit)", and "Retype Password". A blue "Sign Up" button is at the bottom. A link "Click here to log in." is also present.

As a user I want to be able to sign up an account for pass man with unique ID so that I know its my account - ✓



The screenshot shows a web browser window with the URL "127.0.0.1:5000/signup". The page title is "PassMan" and the subtitle is "Welcome to PassMan! The secure, clean password manager." The main heading is "Create your account". Below this, there are three input fields: "Username", "Password (include a capital letter, a small letter, and a digit)", and "Retype Password". A blue "Sign Up" button is present, and a red error message "Username john is already taken" is displayed next to it. At the bottom, there is a link: "Already have an account? [Click here](#) to log in."

As a user I want to be able to sign up an account for pass man with a secure password so that I could keep all my password safe - ✓



This block contains two sets of mockups for password validation messages. Each set includes a "Password" field and a "Retype Password" field.

Top Set:

- Password (include a capital letter, a small letter, and a digit):** The field is empty. A red message "Password must include a capital letter" is shown to the right.
- Retype Password:** The field is empty. A red message "Password must include a digit" is shown to the right.

Bottom Set:

- Password (include a capital letter, a small letter, and a digit):** The field is empty. A red message "Password must include a small letter" is shown to the right.
- Retype Password:** The field is empty. A red message "Passwords must match" is shown to the right.

Password (include a capital letter, a small letter, and a digit)

Password must be at most 25 characters long

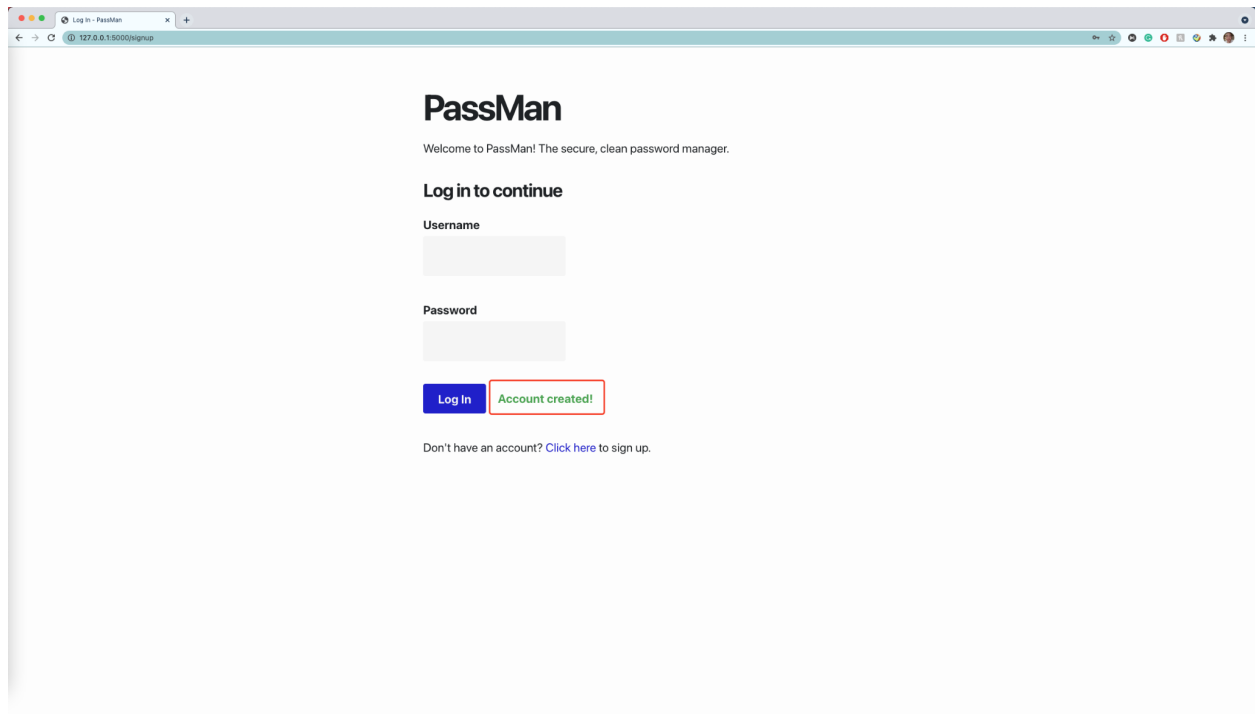
Retype Password

Password (include a capital letter, a small letter, and a digit)

Password must be at least 6 characters long

Retype Password

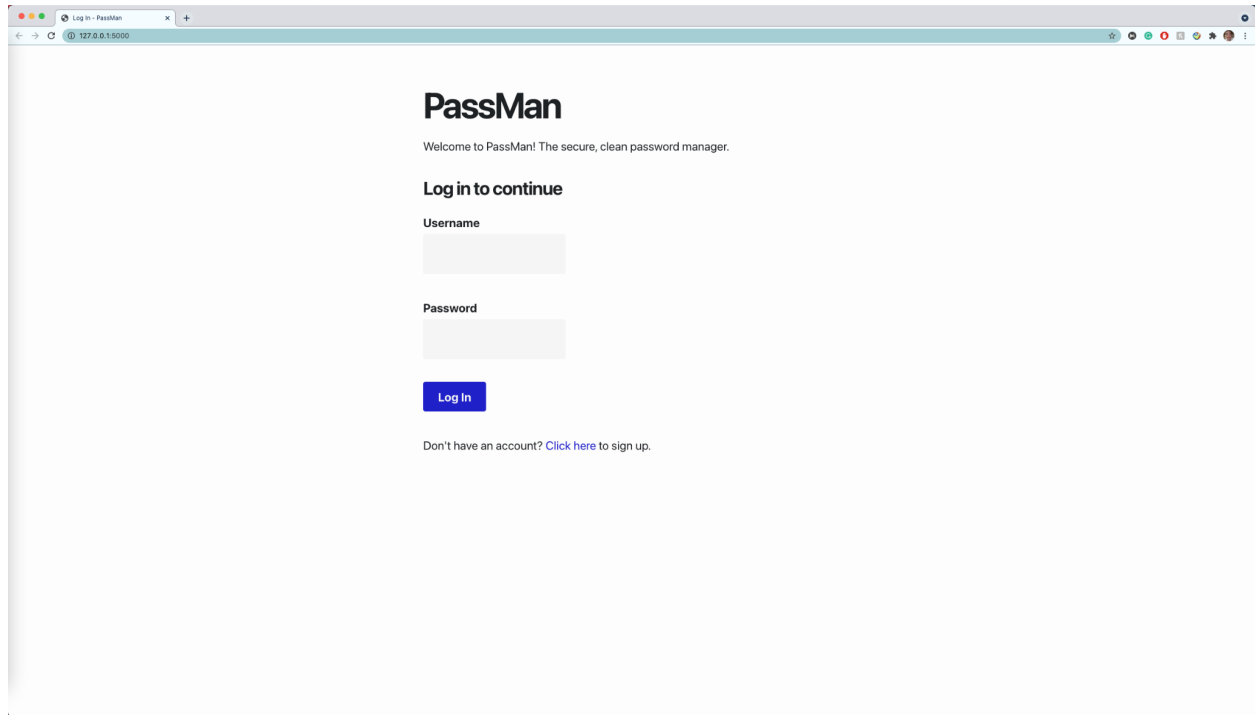
As a user I want to be able to successfully sign up for a pass man account so that I could start using pass man - 



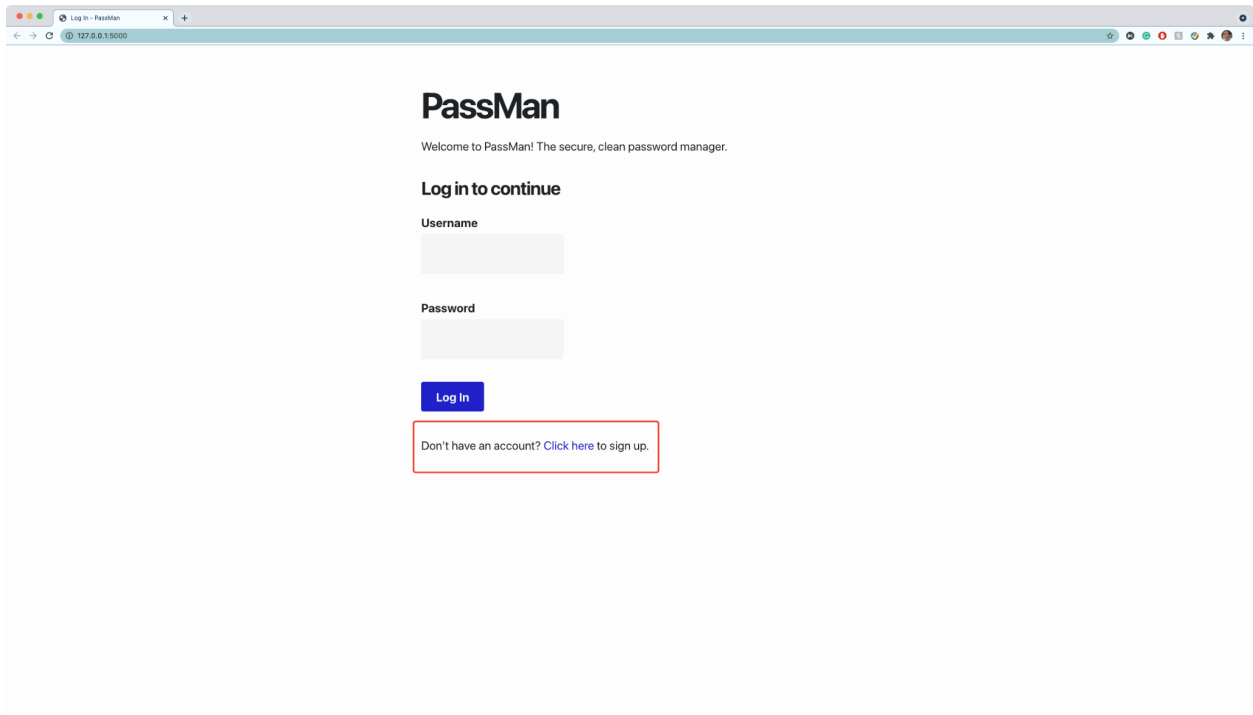
The screenshot shows a web browser window with the title "Log In - PassMan". The address bar shows "127.0.0.1:5000/signup". The page content includes the "PassMan" logo, a welcome message "Welcome to PassMan! The secure, clean password manager.", and a "Log in to continue" section. This section has input fields for "Username" and "Password". Below these fields is a blue "Log In" button and a green "Account created!" message. At the bottom, there is a link "Click here" to sign up.

Login

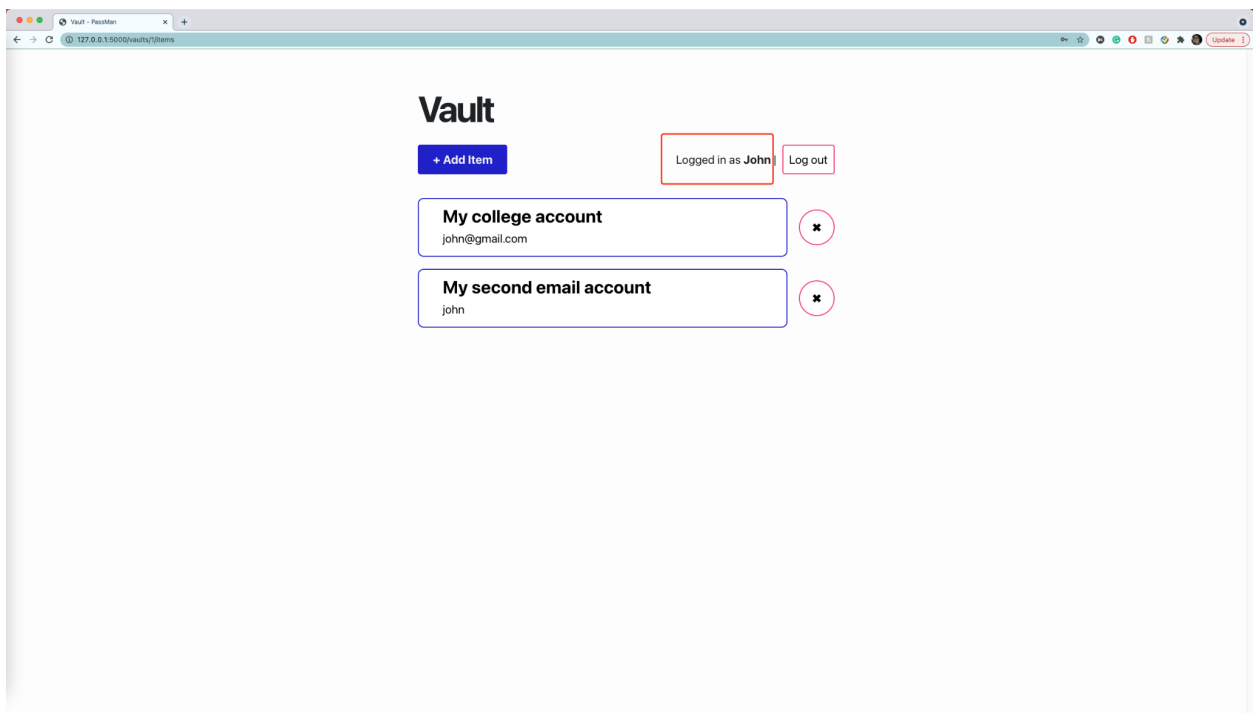
As a user I want to be directed to login page initially so that I could login into my account -

As a user I want to be able to have a option to sign up an account if I don't have an account initially so that I could use pass man - 

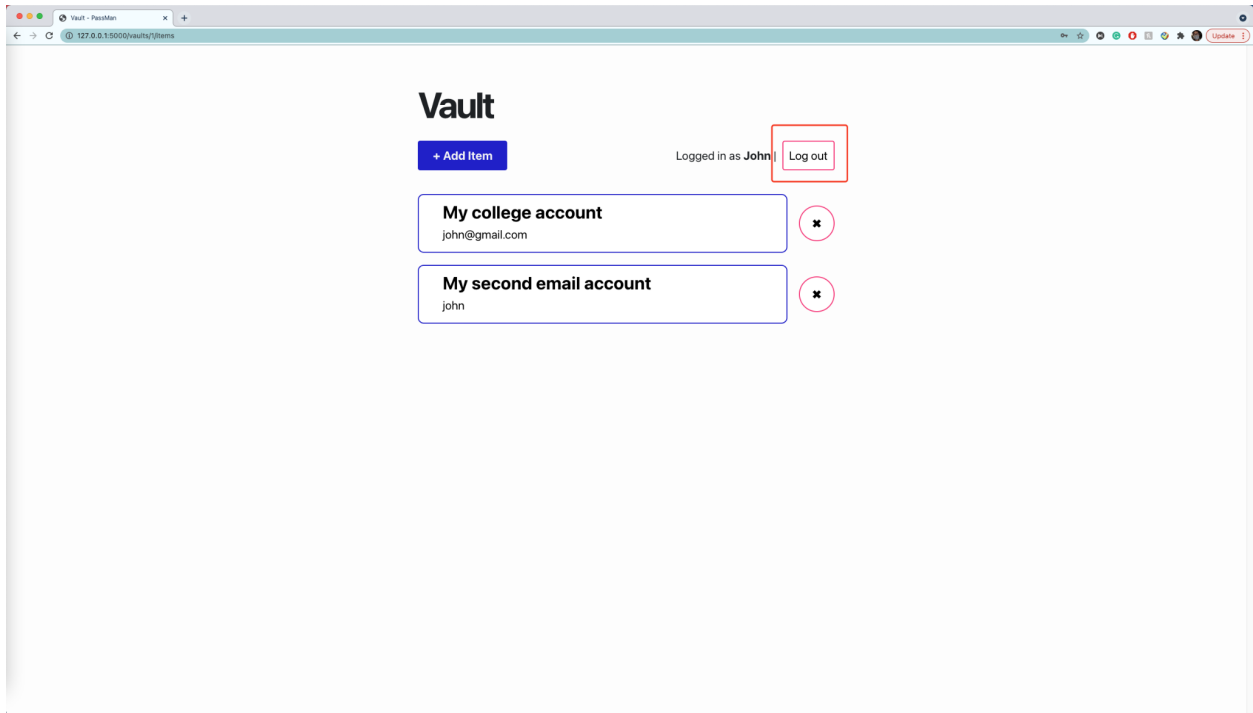



As a user I want to be able to login into my passman account so that I could use pass man - 

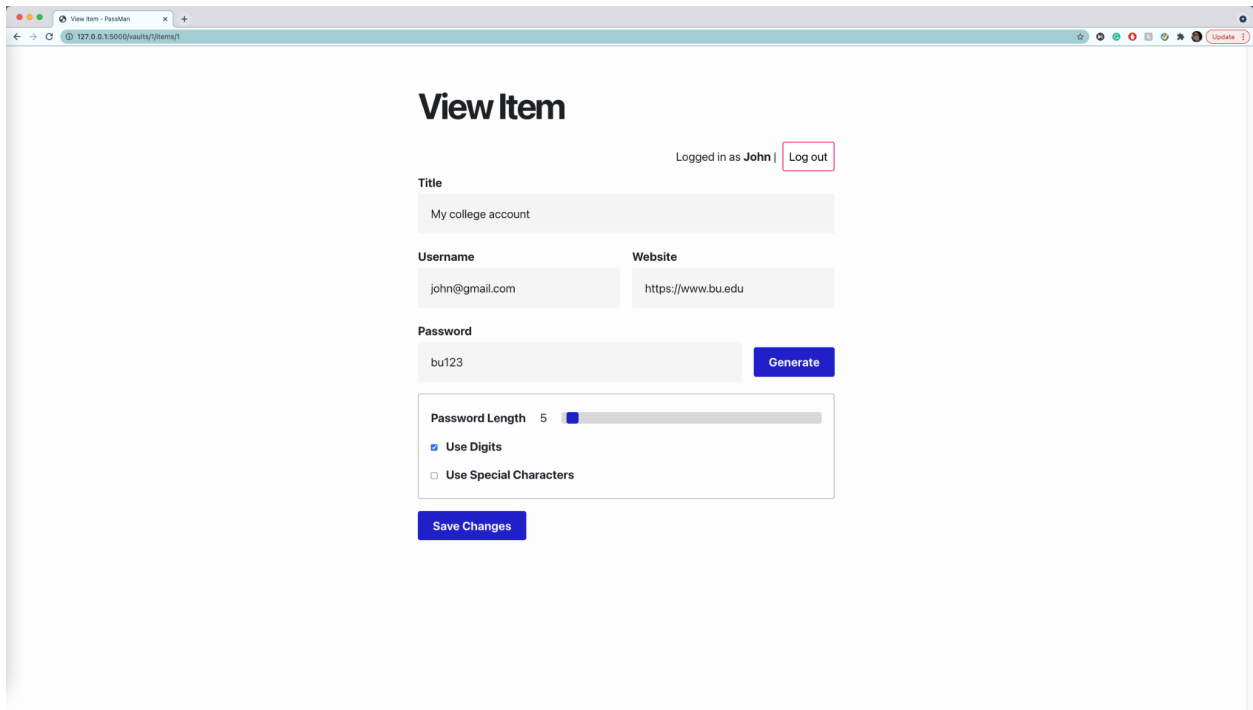


Application

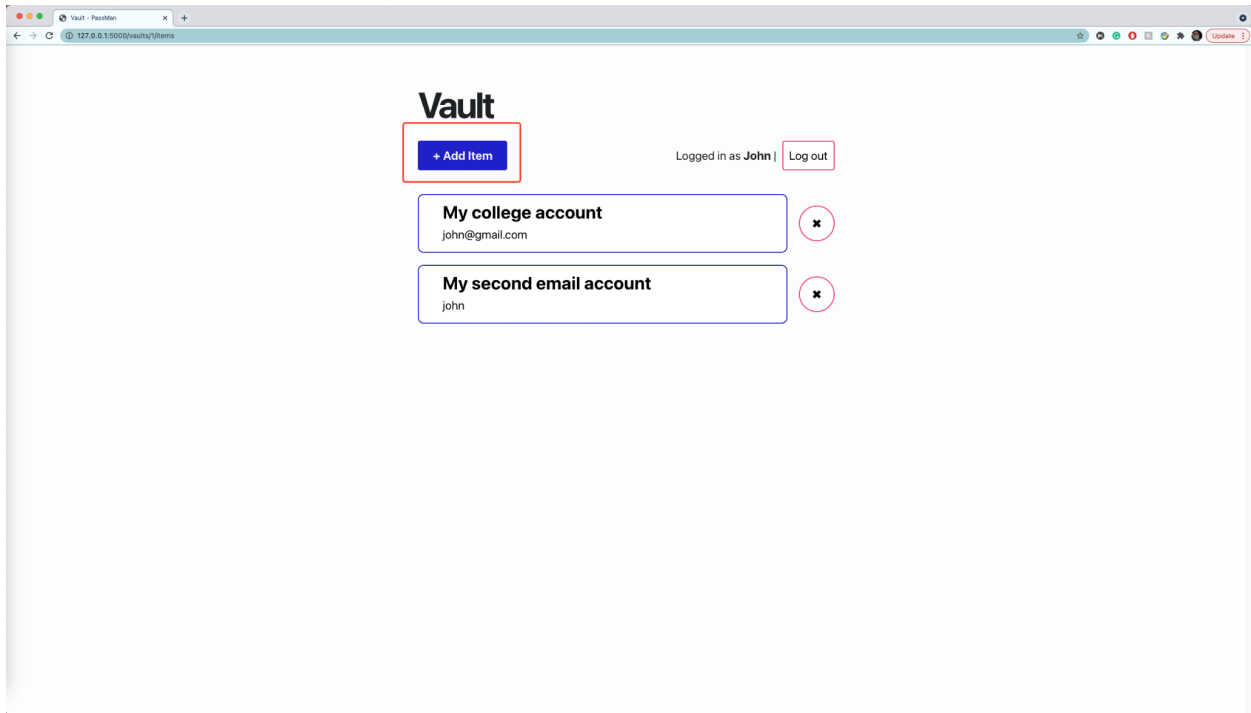
As a user I want to be able to logout of my passman so that I could keep it safe - 



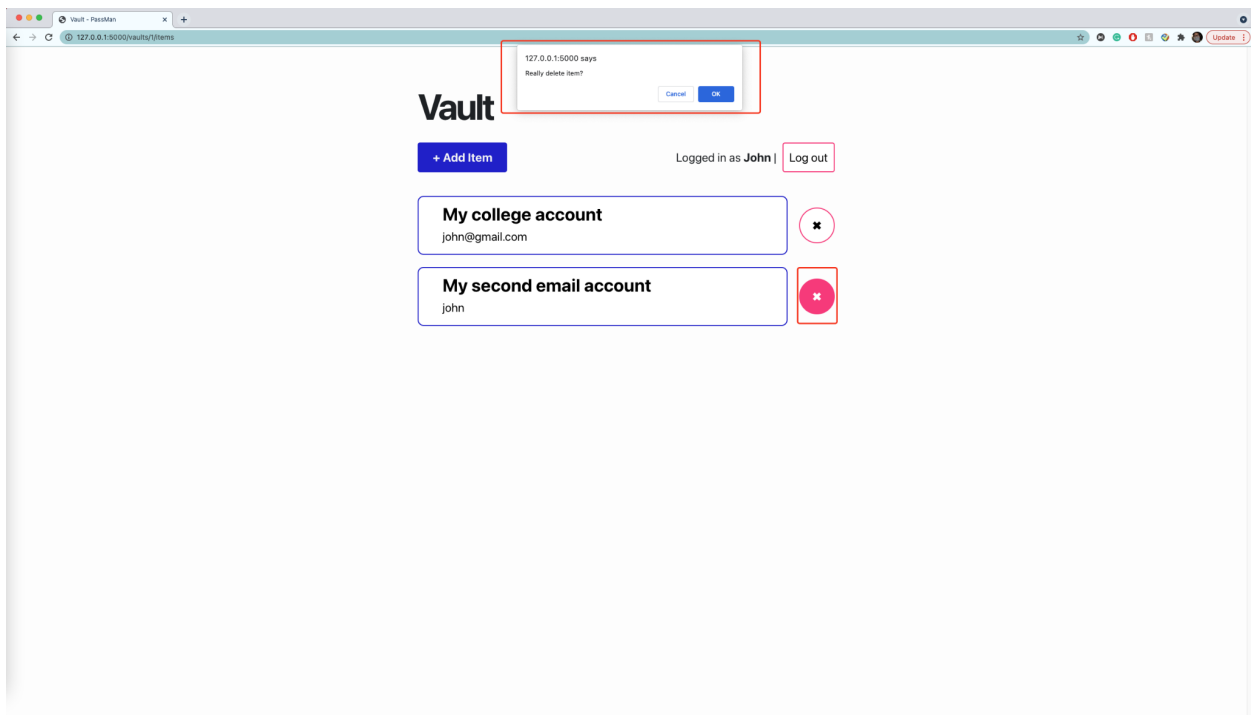
As a user I want to be able to edit my password in the vault so that I can keep the latest information - 



As a user I want to be able to add new account information so that I could store more account inside passman - ✓



As a user I want to be able to delete unwanted vault items so that I could keep only the information I needed - ✓



Test Case 1: test signup (automated)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
1	test sign up	Iteration 1	Iteration 2	High	Integration	To test to see if all the sign up features a working fine	All tests passed.

test_signup_empty_password (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_empty_retype_password (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_empty_username (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_mismatched_retype_password (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_password_missing_capital_letter (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_password_missing_digit (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_password_missing_small_letter (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_password_too_long (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_password_too_short (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_renders (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_success (app.tests.endpoints.test_signup.TestSignup) ... ok
 test_signup_taken_username (app.tests.endpoints.test_signup.TestSignup) ... ok

Comments: None.

Test Case 2: test login (automated)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
2	test login	Iteration 1	Iteration 2	High	Integration	To test to see if all the login features a working fine	All tests passed.

test_login_case_insensitive_username (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_empty_password (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_empty_username (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_renders (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_success (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_wrong_password (app.tests.endpoints.test_login.TestLogin) ... ok
 test_login_wrong_username (app.tests.endpoints.test_login.TestLogin) ... ok

Comments: None.

Test Case 3: test before request (automated)

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ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
3	test before request	Iteration 2	Iteration 2	High	Integration	To test to see if all the vault and request features a working fine	All tests passed.

test_item (app.tests.endpoints.test_authentication_check.TestAuthenticationCheck) ... ok
test_items (app.tests.endpoints.test_authentication_check.TestAuthenticationCheck) ... ok
test_vaults (app.tests.endpoints.test_authentication_check.TestAuthenticationCheck) ... ok

Comments: None.

Test Case 4: Test User (automated)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
4	Test User	Iteration 3	Iteration 3	High	Integration	Test all the potential features of users, creat, duplication error, and find	All tests passed.

test_create (app.tests.models.test_user.TestUser) ... ok
test_create_duplicate_username (app.tests.models.test_user.TestUser) ... ok
test_find_by_id (app.tests.models.test_user.TestUser) ... ok
test_find_by_username_password (app.tests.models.test_user.TestUser) ... ok

Comments: None.

Test Case 5: Test Vault (automated)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
5	Test User	Iteration 3	Iteration 3	High	Integration	Tests to see vault features are working fine.	All tests passed.

test_create (app.tests.models.test_vault.TestVault) ... ok
test_find_by_id (app.tests.models.test_vault.TestVault) ... ok
test_find_by_invalid_id (app.tests.models.test_vault.TestVault) ... ok
test_find_by_invalid_user (app.tests.models.test_vault.TestVault) ... ok
test_find_by_user (app.tests.models.test_vault.TestVault) ... ok

Comments: None.

Test Case 6: Test Vault Item (automated)

ID	Title	Created in	Updated in	Priority	Test Type	Test Objective	Test Notes
6	Test User	Iteration 3	Iteration 3	High	Integration	Test to see if the vault item feature are working fine	All tests passed.

test_create (app.tests.models.test_vault_item.TestVaultItem) ... ok
test_delete (app.tests.models.test_vault_item.TestVaultItem) ... ok
test_find_by_id (app.tests.models.test_vault_item.TestVaultItem) ... ok
test_find_by_vault (app.tests.models.test_vault_item.TestVaultItem) ... ok
test_update (app.tests.models.test_vault_item.TestVaultItem) ... ok

Comments: None.

Testing Metrics

In this section, you shall report any metrics used for the evaluation, e.g. coverage, defects rate, etc.

Code coverage report

The below information was generated using the [instructions documented here](#).

Name	Stmts	Miss	Branch	BrPart	Cover
app__init__.py	20	0	0	0	100%
app\app.py	19	7	8	1	56%
app\blueprints\registrations__init__.py	34	0	10	1	98%
app\blueprints\sessions__init__.py	26	3	6	0	91%
app\blueprints\vault__init__.py	14	7	2	0	44%
app\blueprints\vault_item__init__.py	42	28	12	0	26%
app\constants.py	9	0	0	0	100%
app\db.py	38	4	4	0	90%
app\helpers\application_helper.py	26	0	13	0	100%
app\helpers\db_helper.py	13	0	0	0	100%
app\models\user.py	45	0	6	0	100%
app\models\vault.py	37	0	4	0	100%
app\models\vault_item.py	56	1	4	0	98%
app\tests__init__.py	0	0	0	0	100%
app\tests\endpoints__init__.py	0	0	0	0	100%
app\tests\endpoints\test_authentication_check.py	14	0	0	0	100%
app\tests\endpoints\test_login.py	33	0	0	0	100%
app\tests\endpoints\test_signup.py	55	0	0	0	100%
app\tests\models__init__.py	0	0	0	0	100%
app\tests\models\test_user.py	42	0	0	0	100%

app\tests\models\test_vault.py	86	0	4	0	100%
app\tests\models\test_vault_item.py	132	0	4	0	100%
app\tests\test_base.py	17	0	0	0	100%
<hr/>					
TOTAL	758	50	77	2	92%

Manual acceptance testing

- Open bug count: 0
- Closed bug count: 0

Automated testing

- Open bug count: 0
- Closed bug count: 0

Metric ID	Metric Description	Process Improvement
pd-1	Open bug count	Analyze the bug and communicate with developer for improvement
pd-2	Closed bug count	Use as an indication how much bug have closed
pd-3	Product complexity	product complexity (LOC, # of files, # of classes, # of methods, cyclomatic complexity, etc.) from 1- 10

Metric ID	Metric Description	Process Improvement
pc-1	user story accepted	Reflect team productivity, if decreases additional time need to be spend to compete the before new stories stars
pc-2	Testing coverage	Check if we have tested all of the code from 1- 10

Metric ID	Iteration 0	Iteration 1	Iteration 2	Iteration 3
pd-1	0	0	0	0
pd-2	0	0	0	0
pd-3	1	6	8	10
pc-1	0	2	8	11
pc-2	0	1	10	10

References