

Milestone 5

Team Name:

-Software Team Awesome

Team Members:

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User Acceptance Test Plans

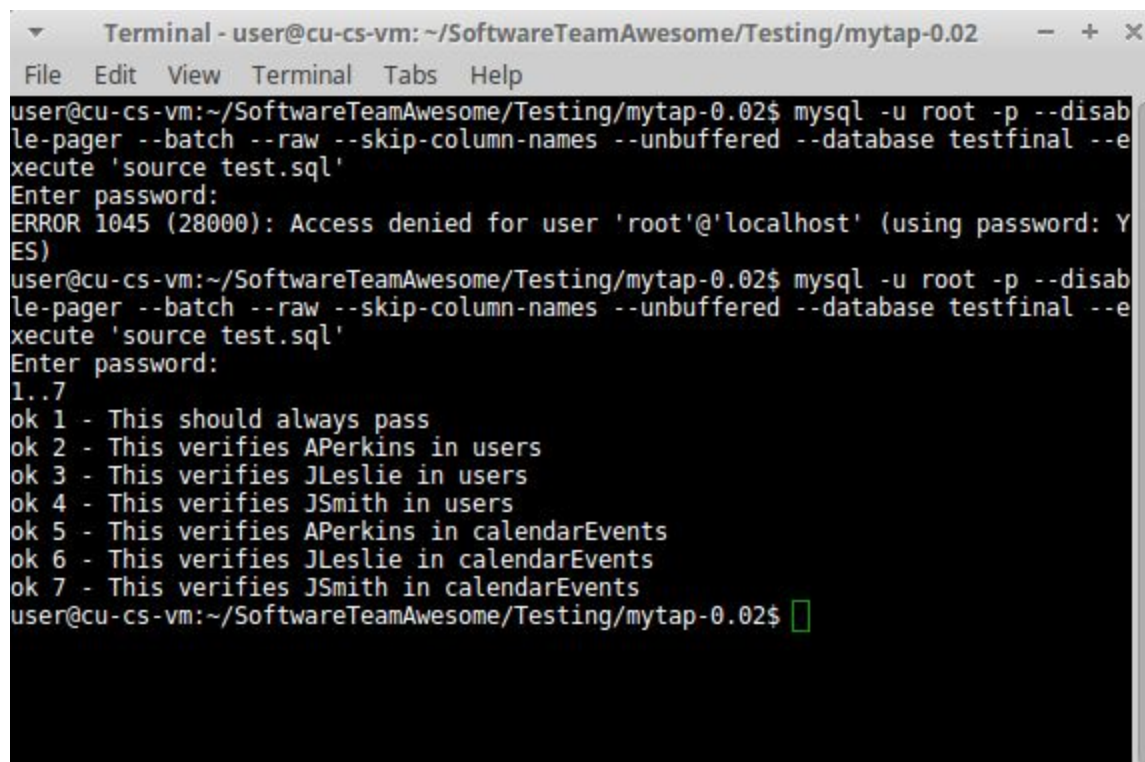
Create a document that describes how at least three features within your finished product will be tested. The test plan should include specific test cases (user acceptance test cases) that describe the data and the user activity that will be executed in order to verify proper functionality of the feature.

- Test account creation
 - Go to the sign in page and enter username and password to create an account. In the users table, check that the account username and password exist in the table and that all usernames are unique. If they aren't unique, return an error message saying to choose another username. Then user need enter others username again until the username is unique.
- Test login functionality
 - Login to the website. It will redirect to the "make appointments" page. Try to book an appointment. The username information will be linked to the server so the user does not have to input account information again.
- Check that appointment books(database testing)
 - Choose an appointment from a list of available appointments on the website. Check that the appointment time slot is no longer in the "available appointments" database, and make sure it is now in the "booked appointments" table that is linked to the user account information.

Automated Test Cases

Provide a link to the tool you use to automate testing, or explain how to run the automated test cases or schedule time with the TAs to demonstrate your automated tests. Provide a copy of the output showing the results of the automated test cases running.

- Local database testing:
 - The MySQL databases were tested locally using the MyTAP testing suite. Pictured below are the results of several of the test cases that were used to verify the successful operation of the testing suite, and to verify the existence of the default users in each of the database's tables.

A terminal window titled "Terminal - user@cu-cs-vm: ~/SoftwareTeamAwesome/Testing/mytap-0.02" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal shows two failed attempts to run a MySQL command as root, followed by a successful execution of a test script. The output of the test script shows seven successful test cases.

```
Terminal - user@cu-cs-vm: ~/SoftwareTeamAwesome/Testing/mytap-0.02
File Edit View Terminal Tabs Help
user@cu-cs-vm:~/SoftwareTeamAwesome/Testing/mytap-0.02$ mysql -u root -p --disab
le-pager --batch --raw --skip-column-names --unbuffered --database testfinal --e
xecute 'source test.sql'
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: Y
ES)
user@cu-cs-vm:~/SoftwareTeamAwesome/Testing/mytap-0.02$ mysql -u root -p --disab
le-pager --batch --raw --skip-column-names --unbuffered --database testfinal --e
xecute 'source test.sql'
Enter password:
1..7
ok 1 - This should always pass
ok 2 - This verifies APerkins in users
ok 3 - This verifies JLeslie in users
ok 4 - This verifies JSmith in users
ok 5 - This verifies APerkins in calendarEvents
ok 6 - This verifies JLeslie in calendarEvents
ok 7 - This verifies JSmith in calendarEvents
user@cu-cs-vm:~/SoftwareTeamAwesome/Testing/mytap-0.02$
```

- Login testing

In order to test the login functionality, multiple attempts were intentionally completed incorrectly. As shown below, the website shows an error if either the username is blank, if the password is blank, or if the password does not match the given password for the user. If the password matches the username, the website displays no errors and logs the user in successfully.

The image displays three sequential screenshots of a web application's login interface, each showing a different error state. Each screenshot features a black header bar with a home icon on the left and 'Sign Up' and 'Login' links on the right. The login form itself is a light blue box with two input fields, 'Username' and 'Password', and a 'Log In' button below them.

- Top Screenshot:** Shows the login form with both the 'Username' and 'Password' fields empty. Above the form, a red error message reads: 'Username is required' and 'Password is required'.
- Middle Screenshot:** Shows the login form with 'A' entered in the 'Username' field and 'a' in the 'Password' field. Above the form, a red error message reads: 'Username not found'.
- Bottom Screenshot:** Shows the login form with 'aParker' entered in the 'Username' field and 'aParker' in the 'Password' field. Above the form, a red error message reads: 'Username & Password do not match'.

- Automated testing:
 - The automated testing of our local database tests is performed using Travis CI, a continuous integration service that executes tests automatically when files are pushed to the linked GitHub repository. Unfortunately our automated testing has not built successfully yet, so pictured below is a screenshot of the build logs from a failed build. The failure is expected to be the result of inaccuracies in the .travis.yml file, but it is currently unclear how to resolve this. Nonetheless, once the automated testing is able to function successfully, it will be able to verify the existence of user information every time files are pushed to our GitHub repository, ensuring that our storage of user information is never compromised.
 - Link to the Travis CI build log(s):
<https://travis-ci.org/kygo4925/SoftwareTeamAwesome/builds/369924371>

The screenshot displays a Travis CI build log for a project named 'SoftwareTeamAwesome'. The log shows the build environment setup, including the installation of Ruby and Bundler. The build fails at line 567 with the command 'mysql -u root -e 'CREATE DATABASE testfinal;'' due to an 'Access denied for user 'root'@'localhost' (using password: NO)' error. The log also shows the command 'mysql -u root -e 'UPDATE user SET password=PASSWORD('password') WHERE user='root';\nFLUSH PRIVILEGES;\n' | mysql -u root' being executed. The build is stopped at line 563.

```

1 Worker information
6 mode of '/usr/local/clang-5.0.0/bin' changed from 0777 (rwxrwxrwx) to 0775 (rwxrwxr-x)
7 Build system information
414 removed '/etc/apt/sources.list.d/basho_riak.list'
415 Network availability confirmed.
416
417 127.0.0.1 localhost nettuno travis vagrant
418 127.0.1.1 travis-job-c5c31caf-cf4d-4b3c-a8f4-9f18b0506c86 travis-job-c5c31caf-cf4d-4b3c-a8f4-9f18b0506c86 ip4-loopback trusty64
419
420 W: http://ppa.launchpad.net/couchdb/stable/ubuntu/dists/trusty/Release.gpg: Signature by key 15866BAFD98CC4F3C1E80FC7D09548E1C17EA857 uses weak digest algorithm (SHA1)
421 $ git clone --depth=50 --branch=master https://github.com/kygo4925/SoftwareTeamAwesome.git kygo4925/SoftwareTeamAwesome
422 Adding APT Sources (BETA)
423 $ sudo service mysql start
424 Disabling Gradle daemon
425 $ mkdir -p ~/.gradle && echo "org.gradle.daemon=false" >> ~/.gradle/gradle.properties
426
427 $ rvm use default
428 $ ruby --version
429 ruby 2.4.1p111 (2017-03-22 revision 50853) [x86_64-linux]
430 $ rvm --version
431 rvm 1.29.3 (latest) by Michal Papis, Piotr Kuczynski, Wayne E. Seguin [https://rvm.io]
432 $ bundle --version
433 Bundler version 1.16.1
434 $ gem --version
435 2.7.6
436
437 $ echo "USE mysql:\nUPDATE user SET password=PASSWORD('password') WHERE user='root';\nFLUSH PRIVILEGES;\n" | mysql -u root
438 $ mysql -u root -e 'CREATE DATABASE testfinal;'
439 ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
440
441 The command "mysql -u root -e 'CREATE DATABASE testfinal;'" failed and exited with 1 during .
442
443 Your build has been stopped.
  
```