

MEet and You

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Test Plan

Test Policy

In Scope

- Unit Testing
- Integration Testing
- End to End Testing

Out of Scope

- Penetration Testing
- Performance Testing
- Regression Testing
- Accessibility Testing

General Test Policy

Unit Testing

All the components related to a class, such as its methods and constructors, must pass unit tests before more thorough testing can be performed. In order to pass the unit test, each method must have a valid result based on the pass or failure scenarios. The goal of all tests is to have all of our tests return their expected values. Unit tests will be performed in each sprint with each completion of a new function, a set of functions, or the completion of classes.

Each component that undergoes unit testing should not take longer than 5-10 seconds for the test suite to be completed. This value will be subject to change, but as the code is reoptimized, the runtime.

Integration Testing

Integration testing is utilized to determine whether the various components of our website are compatible and work together as designed. It will not be system-wide testing but will be required on various features coupled together or requiring various components.

It ensures that we have a web application with components that work together well at the feature level.

Test Plan

End to End Testing

Testing the application from the front end to the back end; ensures that all the components and the incorporated features work as intended. It tests the flow as we transition from one scenario in one end to another. It does not focus on the communication of the two modules.

Test Plan

Feature Level Scenarios

Datastore Access

Test Creation Time Estimate:

Test Execution Time Estimate:

Total Testing Time (TTT):

Datastore access includes the ability to create, delete, update, and read application data.

Datastore is indispensable to the functionality of the application due to its influence over other features. As such, effective end-to-end testing is required to validate the integrity of application data.

End-to-End Testing

- **Expected Outcome(s)**
 - The system can create and store application data.
 - The system can delete existing stored data.
 - Existing data within the system can be modified.
 - The ability to read data from the system is supported.
- **Failing Outcome(s)**
 - The ability to create and store data is not present within the system.
 - Data within the system cannot be deleted, updated, or read.

Logging/Archive

Test Creation Time Estimate:

Test Execution Time Estimate:

Total Testing Time (TTT):

Logging as well as archiving will be well tested along with our various features. The specific tests for logging can be narrowed to end-to-end testing in order to verify data is logged to the database.

End-to-End Testing(Logging)

- **Expected Outcome(s)**
 - Personal user data is recorded unless the user opts out
 - Errors and telemetry based data is properly logged
- **Failing Outcome(s)**
 - Data/Actions are not logged into the database.
 - Data/Actions are inaccurately logged into the database.

Test Plan

End-to-End Testing(Archive)

- **Expected Outcome(s)**
 - Logs with extended lifespans are archived when one-day criteria are met.
- **Failing Outcome(s)**
 - Logs are not archived when the time conditions are met.
 - The logs are not properly carried over into the archives.
 - The log does not provide enough contextual information.

Login

Test Creation Time Estimate:

Test Execution Time Estimate:

Total Testing Time (TTT):

Integration Testing

- The user will attempt to log in to the system using the appropriate username and password associated with their account.
 - Expected Outcome(s)
 - The system will verify that the username and password entered are associated with an account in the database and allow the user further access to the web app's features.
 - Failing Outcome(s)
 - The system will display an error message if the user enters a username and password that does not have a corresponding account.

End-to-End Testing

Test Plan

Logout

Test Creation Time Estimate:

Test Execution Time Estimate:

Total Testing Time (TTT):

Test Plan

User Access Control:

Test Creation Time Estimate:

Test Execution Time Estimate:

Total Testing Time (TTT):

End to End Testing

- User attempts to delete their account
 - **Expected Outcome(s)**
 -

Test Plan

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