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# **Test Plan**

## **for**

# **Oxword Fictionary**

(IEEE 829-1998 Format)

Version 1.1

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Reviewed by Ben Campbell

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# Test Plan Identifier

Oxword Fictionay Test Plan  
Original version 1.0 3/15/2021  
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## Introduction

This master test plan for the Oxword Fictionary App supports the following objectives:

- To define the tools used to test
- To define how the tests will be conducted
- To set expectations and responsibilities for the testers

This plan will be kept accurate and up to date in respect to our project plan and architecture documents. The plan will have to be modified to incorporate additional features upon development.

## Test Items

The systems to be tested include the app functionalities in the user interface and the functionality behind it. Tests will be carried out in a timely manner as functionality is being developed and completed.

All these systems will be tested on android phones.

## Features To Be Tested

Features to be tested include the following:

- Creating new words

- Modifying and deleting words and definitions
- Viewing and searching for words
- Creating/modifying accounts
- Logging into accounts

## Features Not To Be Tested

A desktop, website, or iOS version of the app will not be tested.

## Approach

Testing will be carried out in a separate project and each function of the app will be tested using visual studio's built-in testing functionality. After a function is found to be running as intended, the tester will make a note of it in a testing log.

After the testing is completed and the possible flaws are worked out, an update will be rolled out to the test users for further analysis. Configurations for android systems will be tested as well as our test users' individual versions of phones.

If, while conducting tests, a fundamental error is detected, personnel in charge of the particular feature will be alerted and MTBF(mean time between failure) will be logged.

## Item Pass/Fail Criteria

Items will pass when they perform as intended and as defined in the project plan and when the results are satisfactory to the test users. There must be no critical defects or common errors and the functions must perform with at least a 95% success rate.

Items will fail when functions fail to operate, error or logic problems are detected, or when improvements can be made. The speed of the functions and app in general will be kept in mind for best performance. All items that fail and defects detected will be logged in the log document.

## **Suspension Criteria and Resumption Requirements**

Testing will be suspended if a major flaw is found such as unresponsive UI, crashing at startup, or connection to the database is lost. Testing will resume once the issue is sorted out. Testing will also be halted if, after review, the functionality is deemed fit to be released.

## **Test Deliverables**

This plan will ensure that the test project is delivered as well as a running log file. The log will contain information on the tests, features still needing tests, mean time between failures, and possible issues, incidents and improvements. Milestones will also be recorded in order to track progress and estimate remaining work.

## **Test Tasks**

The initial test task will be to create the test project files and the log document. All functions will be carefully analyzed for mistakes and possible improvements. For every function with possible errors, a test function will be created based on it. All results of the testing will be logged in the log file.

## **Environmental Needs**

n/a

## **Responsibilities**

As lead tester, Marguerite will be responsible for the following:

- Analyzing risks

- Testing features
- Setting the overall test master plan strategy
- Ensuring that key functionality is tested within a timely manner
- Reporting when a feature is tested adequately

Ben will be assisting in these tasks as well as the other team members when their respective functionality is being tested.

## Staffing and Training Needs

n/a

## Schedule

Testing will take place starting in April and will continue throughout the month until the due date, May 3. Testing core functionality will be first and foremost while additional functionality will be tested as it is developed.

In the event there is slippage in the schedule, testing will be halted.

## Risks and Contingencies

The following are risks in respect to this plan:

- Late delivery of required software will push testing back
- Late tests will limit test time for other functionality
- Additional features added later will require testing
- In the event that the project deadlines are not met, the most important functionality will be tested first.
- Other risks due to time constraint will include working overtime, lower quality of end product, and loss of team morale

## Approvals

The test process will be approved as complete by the lead tester, Marguerite and the project manager, Ben. All parties will be involved when their respective parts are being tested. The project after tests will be consistently shown to the test users for further feedback.