# Test Plan

Team 3

A. Test Case 0001, Application start, Severity level: Critical

B. Launch the application and wait until it opens.

C. The result should be the application on the initial screen with the text field to make a search for a article.

A. Test Case 0101, Opening application with no internet connection, Severity level: Critical

B. Launch the application without internet connection and saved articles.

C. The result should be a message to the user, informing that the application was not able to connect with internet, but it should not crash.

A. Test Case 0102, Losing internet connection during use with unsaved links, Severity level: Critical

B. With an active internet connection and the application open to an article (refer to 0301), remove internet connection (for example, activate Airplane Mode).  Attempt to open a link that has not been saved in the article.

C. The result should be a message to the user, informing that the application was not able to connect with internet, but it should not crash.

A. Test Case 0103, Losing internet connection during use with saved links, Severity level: Important

B. With an active internet connection and the application open, navigate to an article that has a link to a saved article (refer to 0301 and 0501).  Remove internet connection (for example, activate Airplane Mode).  Attempt to follow the link to a saved article.

C. The saved article should open properly.

A. Test Case 0201, Basic search functionality, Severity level: Critical

B. With the application open, enter any string that includes non-whitespace characters and press the search button.

C. If a direct match is found to the entered string, the article will open.  If there is no direct match, a list of relevant articles should appear.


A. Test Case 0202, Basic search invalid equivalence, Severity level: Important

B. With the application open, enter a string consisting of solely whitespace characters and press the search button.

C. An error message should show up to ask user to type in a valid string.


A. Test Case 0203, Basic search invalid equivalence, Severity level: Important

B. With the application open, leave the search field completely blank and press the search button.

C. An error message should show up to ask user to type in a string.


A. Test Case 0301, View a single article, Severity level: Critical

B. With the application open, enter a valid term on the search field and press the search button.  If the term is not a direct match with an article, a list with articles with the term looked should appear, then choose one.

C. The selected article should appear on the screen.


A. Test Case 0302, Follow links inside articles, Severity level: Critical

B. With the application open, navigate to an article (refer to 0301).  Navigate to a link inside the article and select it.

C. The article linked should appear on the screen.


A. Test Case 0401, Open articles in a new tab, Severity level: Critical

B. With the application open, navigate to an article (refer to 0301).  Navigate to a link inside the article and long select it (i.e. hold down the link).

C. A new tab view will open with the selected article.


A. Test Case 0402, View open tabs, Severity level: Critical

B. With the application open, use gesture to open navigation drawer to the list of tabs.

C. All open tabs are listed.


A. Test Case 0403, Switch between open tabs, Severity level: Critical

B. With the application open, open multiple tabs to different articles (refer to 0401).  Use gesture to see the tabs and select a different tab than the one currently being viewed.

C. The selected tab with the respective article should appear on the screen.


A. Test Case 0404, Switch between open tabs boundary, Severity level: Critical

B. With the application open, open multiple tabs to different articles (refer to 0401).  Use gesture to see the tabs and select the same tab that is currently being viewed.

C. The navigation drawer closes back to the article without needing to reload the article.


A. Test Case 0405, Open a new tab, Severity level: Critical

B. With the application open, use gesture to see the tabs and select "open new tab".

C. The result should be a new tab with the Wikipedia home screen page open, where is possible to do a new search.


A. Test Case 0406, Close a tab, Severity level: Critical

B. With the application open, use gesture to see the tabs and select "close" to close the tab.

C. The tab should disappear and the application should not crash.


A. Test Case 0407, Tab count acceptable minimum boundary, Severity level: Critical

B. With the application open, close all tab views.

C. Application should stay open without crashing with no tabs open.

A. Test Case 0408, Tab count valid equivalence, Severity level: Critical

B. With the application open, open tester's choice number of tabs, in between 1-10.

C. Application should successfully manage the number of tabs tester has chosen.


A. Test Case 0409, Tab count acceptable max boundary, Severity level: Critical

B. With the application open, open 10 tabs (refer to 0405).

C. Application should successfully manage 10 open tabs simultaneously.


A. Test Case 0410, Tab count max boundary exceeded, Severity level: Critical

B. With the application open, open 10 tabs (refer to 0405).  Attempt to open an 11th tab.

C. Application should notify user they have reached their tab limit and should close existing tabs to create new ones.


A. Test Case 0501, Saving articles to view offline, Severity level: Important

B. With the application open, select to save a page, confirm the operation.  Open the saved articles.

C. The article that was saved is listed.


A. Test Case 0502, Offline article functionality, Severity level: Important

B. Ensure at least one article is saved (refer to 0501). Remove access to internet (for example Airplane Mode), then restart the application. Open the saved articles and select the saved page.

C. The page should load properly with any data that would be available in the online version.


A. Test Case 0503, Cancel saving articles to view offline, Severity level: Workaround

B. With the application open, select to save a page, press to cancel the operation.

C. It should just go back to the article without saving the article on memory.


A. Test Case 0504, Cancel saving articles to view offline using back button, Severity level: Workaround

B. With the application open, select to save a page, press the "back" button to cancel the operation.

C. It should just go back to the article without saving the article on memory.

A. Test Case 0505, Saving multiple tabs at once, Severity level: Important

B. With the application open, navigate multiple tabs to different articles (refer to 0301 and 0401). Select to save the tabs.  Open the saved articles.

C. Each article that was open in a tab at the time of saving is listed.


A. Test Case 0506, Deleting saved articles from memory, Severity level: Important

B. Ensure at least one article is saved (refer to 0501). Open the saved articles and choose to delete the saved article.

C. The article will be removed from the list of saved articles and removed from memory.


A. Test case 0601, Share a link to an article, Severity level: Important

B. While the application is running, open an article to begin viewing. Select "share" which will open a window on top of the application. Select any media to share the article to.

C. The article should be shared through the selected media and can be easily found by another client software in the location left.


A. Test Case 0602, Cancel a share link action, Severity level: Workaround

B. When choosing where to share the article (refer to 0601), press the "back" button on Android.

C. The application should go back to the screen before the share option without crashing.


A. Test Case 0701, Multiple language population, Severity level: Important

B. With the application open, select the "Switch Language" button.

C. A list of available languages for the current article should be displayed.


A. Test Case 0702, Switching languages, Severity level: Important

B. With the application open, the article can be viewed in various language. Select the "Switch Language" button.  Select a language from the list shown.

C.The article in selected language should appear on the screen.

A. Test Case 0703, Cancelling switching languages, Severity level: Workaround

B. When attempting to switch languages, press the "back" button on Android.

C. The application should go back to the previous screen without crashing.


A. Test Case 0801, Save tabs on closing, Severity level: Important

B. When the application closes, the opened tabs are saved. Open the application again.

C. All the saved tabs are reopened to the articles the tabs had open upon closing.


A. Test Case 0901, Searching text inside an article, Severity level: Important

B. While an article is open, select "search" and a text input box will make itself visible. Enter text to search for and press return or the search button.

C. All related text should be highlighted in the article and first search result should be selected.


A. Test Case 0902, Cycle through search results, Severity level: Important

B. After searching for text (refer to 0901), select "next".

C. All matched results should be selected one by one, after the last result, the selected search result should back to the first one.


A. Test Case 0903, Searching text inside an article invalid equivalence, Severity level: Important

B. While an article is open, select "search" and a text input box will make itself visible. Do not enter text to search for (leave completely blank), and press return or the search button.

C. Search should properly do nothing.


A. Test Case 1001, Zoom in functionality, Severity level: Important

B. While an article is open, use gesture to zoom in on a location in the article.

C. The section of the article is enlarged without changing the word wrap structure of the article.


A. Test Case 1002, Zoom out functionality, Severity level: Important

B. While an article is open and zoomed in, use gesture to zoom out on a location in the article.

C. The section of the article is shrunk without changing the word wrap structure of the article.


A. Test Case 1003, Zoom out boundary, Severity level: Workaround

B. Open a new article at default viewing size.  Attempt to zoom out farther than the original view allows.

C. The zoom is unsuccessful and the article remains at default viewing size.


A. Test Case 1004, Zoom out boundary from zoom in state, Severity level: Workaround

B. Zoom in to any location in an article.  Attempt to zoom out farther than the original view would allow.

C. The zoom is successful up to the default viewing size, then stops.


A. Test Case 1101, Android version equivalence, Severity level: Critical

B. Attempt to open the application using Android version 4.0.1 or later.

C. Application will open and function normally.


A. Test Case 1102, Android version boundary, Severity level: Critical

B. Attempt to open the application using Android version 4.0.

C. Application will open and function normally.


*** Note here: Android will not allow apps to be installed on incompatible devices (i.e. a 4.0 app on 2.3).  We cannot require testers to have devices with these OS versions and the installation process is not something easily replicated with an emulator.  Therefore we are only testing valid boundaries and equivalence.  For reference sake, the first invalid boundary value would be 3.2.6, and the invalid equivalence would be anything 3.2.6 and below. ***