**Tester: Khadija Isabella 025282**

**Unit Test: Function 3 – from link to zip file**

**White Box Testing:**

**Test #1**

Date: 12th December 2018

Function: download\_test.php **!!!!!CHANGE THIS LATER!!!!!**

Description: To test whether or not the downloaded dump from the checkbox value corresponds with the manually downloaded dump from URL page.

Percentage of succesful downloads: **64%**

|  |  |  |  |
| --- | --- | --- | --- |
| URL | Dump Size (manually downloaded from URL page)  Expected Output: | Dump Size (stored in checkbox value)  Actual Output: | Match? (Y / N) |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-geo\_tags.sql.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-geo_tags.sql.gz) | 805 bytes | 1 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-pages-articles-multistream-index.txt.bz2](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-pages-articles-multistream-index.txt.bz2) | 954 KB | 955 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-stub-articles.xml.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-stub-articles.xml.gz) | 8.9 MB | 9,155 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-articles2.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-articles2.xml.gz) | 12.9 MB | 13, 217 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki20180720-langlinks.sql.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-langlinks.sql.gz) | 28.1 MB | 28,782 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-articles6.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-articles6.xml.gz) | 35.8 MB | 36,645 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-pages-articles.xml.bz2](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-pages-articles.xml.bz2) | 41.9 MB | 42,883 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-meta-current4.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current4.xml.gz) | 58.5 MB | 59,856 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-stub-meta-history.xml.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-stub-meta-history.xml.gz) | **119.1 MB** | **Fatal error:** Allowed memory size of 134217728 bytes exhausted (tried to allocate 65028096 bytes) | N |
| https://dumps.wikimedia.org/iowiki/20181201/[iowiki-20181201-pages-meta-history.xml.7z](https://dumps.wikimedia.org/iowiki/20181201/iowiki-20181201-pages-meta-history.xml.7z) | **87.3 MB** | **Fatal error:** Allowed memory size of 134217728 bytes exhausted (tried to allocate 65028096 bytes) | N |
| https://dumps.wikimedia.org/nowiki/20181201/[nowiki-20181201-categorylinks.sql.gz](https://dumps.wikimedia.org/nowiki/20181201/nowiki-20181201-categorylinks.sql.gz) | **79.0 MB** | **Fatal error:** Allowed memory size of 134217728 bytes exhausted (tried to allocate 65028096 bytes) | N |
| https://dumps.wikimedia.org/arwiki/20180920/ [arwiki-20180920-pages-logging3.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-pages-logging3.xml.gz) | **71.6 MB** | **Fatal error:** Allowed memory size of 134217728 bytes exhausted (tried to allocate 65028096 bytes) | N |
| https://dumps.wikimedia.org/arwiki/20180920/ [arwiki-20180920-stub-meta-current6.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current6.xml.gz) | **62.8 MB** | **Fatal error:** Allowed memory size of 134217728 bytes exhausted (tried to allocate 65028096 bytes) | N |
| https://dumps.wikimedia.org/iowiki/20181201/[iowiki-20181201-stub-meta-history.xml.gz](https://dumps.wikimedia.org/iowiki/20181201/iowiki-20181201-stub-meta-history.xml.gz) | 61.6 MB | 63,028 KB | Y |

Bug #1: File size exceeded the maximum memory capacity due to memory limit of our local host

Test: **Failed**

**Test #2**

Date: 12th December 2018

Function: get\_download\_link.php

**Description: Bug #1 Fixed**

|  |  |  |  |
| --- | --- | --- | --- |
| URL | Dump Size (manually downloaded from URL page)  Expected Output: | Dump Size (stored in checkbox value)  Actual Output: | Match? (Y / N) |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-geo\_tags.sql.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-geo_tags.sql.gz) | 805 bytes | 1 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-pages-articles-multistream-index.txt.bz2](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-pages-articles-multistream-index.txt.bz2) | 954 KB | 955 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-stub-articles.xml.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-stub-articles.xml.gz) | 8.9 MB | 9,155 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-articles2.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-articles2.xml.gz) | 12.9 MB | 13, 217 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki20180720-langlinks.sql.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-langlinks.sql.gz) | 28.1 MB | 28,782 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-articles6.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-articles6.xml.gz) | 35.8 MB | 36,645 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-pages-articles.xml.bz2](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-pages-articles.xml.bz2) | 41.9 MB | 42,883 KB | Y |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-meta-current4.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current4.xml.gz) | 58.5 MB | 59,856 KB | Y |
| <https://dumps.wikimedia.org/brwiki/20180720/>[brwiki-20180720-stub-meta-history.xml.gz](https://dumps.wikimedia.org/brwiki/20180720/brwiki-20180720-stub-meta-history.xml.gz) | **119.1 MB** |  |  |
| https://dumps.wikimedia.org/iowiki/20181201/[iowiki-20181201-pages-meta-history.xml.7z](https://dumps.wikimedia.org/iowiki/20181201/iowiki-20181201-pages-meta-history.xml.7z) | **87.3 MB** |  |  |
| https://dumps.wikimedia.org/nowiki/20181201/[nowiki-20181201-categorylinks.sql.gz](https://dumps.wikimedia.org/nowiki/20181201/nowiki-20181201-categorylinks.sql.gz) | **79.0 MB** |  |  |
| https://dumps.wikimedia.org/arwiki/20180920/ [arwiki-20180920-pages-logging3.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-pages-logging3.xml.gz) | **71.6 MB** |  |  |
| https://dumps.wikimedia.org/arwiki/20180920/ [arwiki-20180920-stub-meta-current6.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current6.xml.gz) | **62.8 MB** |  |  |
| https://dumps.wikimedia.org/iowiki/20181201/[iowiki-20181201-stub-meta-history.xml.gz](https://dumps.wikimedia.org/iowiki/20181201/iowiki-20181201-stub-meta-history.xml.gz) | 61.6 MB | 63,028 KB | Y |

**Boundary Value Analysis for File Size**

Function: get\_download\_link.php

|  |  |  |
| --- | --- | --- |
| **Invalid**  **(min - 1)** | **Valid**  **(min, +min, -max, max)** | **Invalid**  **(max +1)** |
| If user does not select a file/tick a checkbox | 0 – 62.0 | 62.0+ |
|  |  |  |
| URL | Dump Size | Pass / Fail |
| https://dumps.wikimedia.org/arwiki/20180920/[arwiki-20180920-stub-meta-current4.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current4.xml.gz) | 58.5 MB | Pass |
| https://dumps.wikimedia.org/arwiki/20180920/ [arwiki-20180920-stub-meta-current6.xml.gz](https://dumps.wikimedia.org/arwiki/20180920/arwiki-20180920-stub-meta-current6.xml.gz) | **62.8 MB** | Fail |
| https://dumps.wikimedia.org/iowiki/20181201/[iowiki-20181201-stub-meta-history.xml.gz](https://dumps.wikimedia.org/iowiki/20181201/iowiki-20181201-stub-meta-history.xml.gz) | 61.6 MB | Pass |

**Test #3**

Date: 12th December 2018

Function: get\_download\_link.php

Description: to test whether or not the number of ticked checkboxes corresponds with the number of files downloaded

URL Page: <https://dumps.wikimedia.org/brwiki/20180720/>

|  |  |  |  |
| --- | --- | --- | --- |
| No. of ticked checkboxes | No. of files downloaded  Expected Output: | No. of files downloaded:  Actual Output: | Match?  (Y / N) |
| 5 | 5 | 5 | Y |
| 10 | 10 | 10 | Y |
| 15 | 15 | 15 | Y |
| 20 | 20 | 20 | Y |
| 25 | 25 | 25 | Y |

Test: **Passed**