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| **Test Case**  **Project Name:** Pandemic Tracker | |
| **Test Case ID:** TEST-DB-001-1 | **Test Designed by:** Maria Jaramillo |
| **Test Priority:** High | **Test Designed date:** 9 May 2020 |
| **Module Name:** Update database | **Test Executed by:** One or two developers |
| **Test Title:** Query Correctness | **Test Execution date:** 9 May 2020 |
| **Description:** This tests for the correctness of input for the Database queries  **Objective:** The objective of this test is to ensure that queries are implemented in accordance to the scraper module.  Specifically, we want to ensure that   * Queries are written with correct datatypes * Updates are not done unnecessarily | | |  |
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| **Pre-conditions:** Scraper has been implemented to ensure that the country names match the database. | |
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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Test correctness of queries: Go to website | Database data | Website renders country data | Error message saying that mySQL cannot accept arguments %d. | Fail | MySQL needs string (%s) arguments even if database takes integers |
| 2 | Do not re-scrape if scraped in the last day: Go to website | Database data | Code checks if last date scraped was today so no re-scraping is done. | No re-scraping is done | Pass |  |

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| Post-conditions: After the database calls the scrapers, it updates the database and allows the website to render. There will be no errors given my SQL and the website does not rescrape within the same day. |

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| **Test Case**  **Project Name:** Pandemic Tracker | |
| **Test Case ID:** TEST-DB-001-2 | **Test Designed by:** Maria Jaramillo |
| **Test Priority:** High | **Test Designed date:** 9 May 2020 |
| **Module Name:** Update database | **Test Executed by:** One or two developers |
| **Test Title:** Query Correctness | **Test Execution date:** 9 May 2020 |
| **Description:** This tests for the correctness of input for the Database queries  **Objective:** Make sure country names from scrapers match and that there are no puplicate entries.  Specifically, we want to ensure that   * Updates do not lead to duplicates * Country names match for all the scrapers | | |  |
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| **Pre-conditions:** Scraper has been implemented to ensure that the country names match the database. | |
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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Check for duplicates in database: Go to website | Database data | Database shows no duplicate entries | Database has no duplicated results | Pass |  |
| 2 | Country names from scrapers match country names in database: Go to website | Browser console | Scraper matches names from database | Scraper matches country names successfully | Pass |  |

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| Post-conditions: After the database calls the scrapers, it updates the database and allows the website to render. All countries are updated in accordance to the website scrapers (i.e no difference between US or USA). In addition, there are no duplicate countries. |