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| TEST PLAN AND ICD  Week 5 Assignment | ABSTRACT  This document was created for UMUC Course, CMSC 495, and analyzes aspects of the (TNC)  Group 3 Members  Name: Christiano, Andrew  Name: Fernandez, Yrume  Name: Orwick, Brian  Name: Sell, Julia  Class: CMSC 495 - Current Trends and Projects in Computer Science Professor: Dr. Hung Dao  Due: 21 September 2018 |

**Version Control**

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| Revision # | Date | Name | Descriptions | Contact Info |
| TNC\_0001 | 9/21/2018 | Brian Orwick | Created | Orwick12@outlook.com |
| TNC\_0002 | 9/21/2018 | Andrew Christiano | Revisions | ajchristiano91@gmail.com |
| TNC\_0003 | 9/21/2018 | Julia Sell | Revisions | selljm14@gmail.com |
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**Test Plan**

In accordance with the event-trace diagrams, we have created test plans that will ensure each test case corresponds with the event-trace diagram. All requirements, scenarios, and error handling are covered.

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| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected result** | **Actual result** | **Pass/Fail** |
| 1 | 1,2,3,4,5,6,7 | An administrator runs the TNC program to start the web application so that users can access the TNC website. | The TNC program is running, waiting for connections from users on port 5000, displaying all connections in the console window where TNC was started from. |  |  |
| 2 | 1,2,3,4,5,6,7 | User opens website, allows to load. User clicks on news article and gets sent to it | DB is queried, scraper will scrape recent articles to place in DB. Ratings are assigned to all articles. Front end pulls articles from DB for user to view. |  |  |
| 3 | 1,2,3,4,5,7 | User opens website, then immediately closes window | DB is queried, scraper will scrape recent articles to place in DB. Ratings are assigned to all articles. |  |  |
| 4 | 8 | The administrator tests the TNC program by acting as a user, navigates to TNC website, and disables their internet connection while scraper is operating. | A message stating “contact the TNC administrators” is presented. |  |  |
| 5 | None (this test is to ensure the TNC site is not accessible when it should not be) | An administrator exits the TNC program. | The TNC finishes, and an exit code is presented. No users can now connect to the web application. |  |  |

**Interface Control Document**

The ICD shows all data and their types passed through the classes (subsystems)

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| Main to Web | |  | | | |  |
| **Name** | **Type** | **Value Range** | | | **Default Value** | |
| host | String | “0.0.0.0” to “255.255.255.255” | | | "0.0.0.0" | |
| port | int | 0-65535 | | | 5000 | |
|  |  |  | | |  | |
| DB to Web | |  |  |  | |  |
| **Name** | **Type** | **Value Range** | **Default Value** |  | |  |
| url | String | " " | " " |  | |  |
| date | String | " " | " " |  | |  |
| rating | int | 1-10 | 5 |  | |  |
| content | String | " " | " " |  | |  |
| other\_articles | list | [] | [] |  | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Scraper to DB | |  |  |
| **Name** | **Type** | **Value Range** | **Default Value** |
| url | string | " " | " " |
| date | string | " " | " " |
| rating | int | 1-10 | 5 |
| content | string | " " | " " |
|  |  |  |  |