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| PROJECT ANALYSIS  Week 3 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: 10 September 2018 |

**Version Control**

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| Revision # | Date | Name | Descriptions | Contact Info |
| TNC\_0001 | 9/4/2018 | Brian Orwick | Created | Orwick12@outlook.com |
| TNC\_0002 | 9/5/2018 | Yrume Fernandez | Added Input | Yrume.fernandez@gmail.com |

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# Outside Systems

The News Code (TNC) software connects to and sends a get-request using Hyper-Text Transfer Protocol (HTTP) to the trusted news sources hard coded into the source code. It requires internet connectivity using either internet protocol (IP) version four or six (IPV4 / IPV6) and checks for HTTP Status Code 200 before requesting information from website. The following is a list of trusted sources that are hardcoded for TNC to check:

* <https://www.foxnews.com>
* <https://www.usatoday.com>
* <https://www.cnn.com>
* <https://www.bbc.com>



# Input Data

TNC does not require any input data from a user. A user will navigate to the TNC Server Web Page (which initiates code execution) and receive statistical information on articles posted within the list of trusted news sources. TNC takes input data from web pages that are part of a hardcoded list of trusted news websites. This data is then parsed and structured for storage and retrieval using the SQLite Data Base that is part of the system.

# Output Data

TNC will parse through data collected from trusted news sources, and will export the data in accordance with data structure to a local SQLite Data Base (DB). This database will house all the required information to statistically analyze the trustworthiness of posted articles. The following provides information on the structure of the database table used during execution of the TNC:

|  |  |  |  |
| --- | --- | --- | --- |
| NEWS ARTICLE (TABLE NAME) | | | |
| ID (TEXT) | NUMBER (INT) | NAME (TEXT) | COUNT (INT) |
| Web-Page URL | Article Number | Article Name | Article Count |

# Data Processing



# Subsystem Requirements

TNC Software requires connections to local database (SQLite DB) which provides a structure to maintain information for analysis. This DB also provides the capability of running analysis on articles while the system is offline. It also requires access to local systems networking services to retrieve the required information from external websites while online.

# Data Interface

# Potential Risk and Mitigation

# Future Enhancements