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| PROJECT PLAN & REQUIREMENTS SPECIFICATION  Week 2 Assignment | ABSTRACT  This document was created for UMUC Course, CMSC 495, and describes the software development plan and requirements specification for a group software project.  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: 02 September 2018 |

**Version Control**

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| --- | --- | --- | --- | --- |
| Revision # | Date | Name | Descriptions | Contact Info |
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| TNC\_PP\_0002 | 10/7/2018 | Brian Orwick | Reviewed | orwick12@outlook.com |
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| TNC\_PP\_0005 | 10/9/2018 | Yrume Fernandez | Modified | yrume.fernandez@gmail.com |

Table of Contents

[1. Requirement Specifications 4](#_Toc527056861)

[2. System Specification 4](#_Toc527056862)

[Operational: 4](#_Toc527056863)

[Development: 4](#_Toc527056864)

[3. Software Management 5](#_Toc527056865)

[4. Project Schedule 5](#_Toc527056866)

**PROJECT PLAN**

# Requirement Specifications

This document identifies the requirements specification for a software solution that tracks news stories and provides a user the trustworthiness of the articles. The Trusted News Code (TNC) software will crawl (search the web for) websites to identify and scrape (pull) news articles, count the number of times an article is found on the web, and provide a list of articles prioritized by their trustworthiness (index of the number of times the article was found on the web) and a link to the main article.

# System Specification

## Operational:

The following are the minimum required software interfaces in support of a Python based news indexing system, using Flask, JavaScript and SQLite:

* Processors:
  1. Intel® Core™ i5 processor 4300M at 2.60 GHz or 2.59 GHz (1 socket, 2 cores, 2 threads per core), 8 GB of DRAM
  2. Intel® Xeon® processor E5-2698 v3 at 2.30 GHz (2 sockets, 16 cores each, 1 thread per core), 64 GB of DRAM
  3. Intel® Xeon Phi™ processor 7210 at 1.30 GHz (1 socket, 64 cores, 4 threads per core), 32 GB of DRAM, 16 GB of MCDRAM (flat mode enabled)
* Disk space:
  1. 2 to 3 GB
* Operating systems:
  1. Windows® 10, macOS\*, and Linux\*
* Browsers: Internet Explorer 9 and above, Firefox
* Applications:
  1. Python version 3.7.0 (with PIP and the following modules)
     1. Flask Module
     2. Newspaper3k

## Development:

The following are additional requirements (above the minimum requirements identified under operations) to support a development platform for software developers:

* JetBrains PyCharm
* GitHub-Desktop

# Software Management

The Trusted News Code will be maintained on GitHub at https://github.com/yrumefernandez/CMS495. Members will maintain control versions and any changes to functionality of the baseline software or methods will require a vote by the change control board (CCB). A majority vote (3 out of 4 member) is required to approve any changes. In the event of a tie vote the primary responsible for the section requiring modification will count as two (2) votes.

# Project Schedule

