



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

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Class: CMSC 495 - Current Trends and Projects in
Computer Science

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Version Control

Revision #	Date	Name	Descriptions	Contact Info
TNC_0001	8/28/2018	Yrume Fernandez	Created	yrume.fernandez@gmail.com

PROJECT PLAN

1. 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.

2. System Specification

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

- Processors:
 - a. 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
 - b. Intel® Xeon® processor E5-2698 v3 at 2.30 GHz (2 sockets, 16 cores each, 1 thread per core), 64 GB of DRAM
 - c. 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:
 - a. 2 to 3 GB
- Operating systems:
 - a. Windows® 10, macOS*, and Linux*
- Browsers: Internet Explorer 9 and above, Firefox
- Applications:
 - a. Python version 3.7.0
 - b. JavaScript
 - c. SQLite version 3.24.0

3. 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.

Excel Gantt Chart

Group 3

Project Management Team

Christiano, Andrew; Fernandez, Yrume; Orwick, Brian; Sell, Julia

Project Lead: Yrume Fernandez

Today's Date: 8/31/2018 (vertical red line)

Start Date: 8/20/2018 (Mon)

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