



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

Revision #	Date	Name	Descriptions	Contact Info
TNC_PP_0001	8/28/2018	Yrume Fernandez	Created	yrume.fernandez@gmail.com
TNC_PP_0002	10/7/2018	Brian Orwick	Reviewed	orwick12@outlook.com
TNC_PP_0003	10/7/2018	Andrew Christiano	Reviewed	ajchristiano91@gmail.com
TNC_PP_0004	10/7/2018	Julia Sell	Reviewed	selljm14@gmail.com
TNC_PP_0005	10/9/2018	Yrume Fernandez	Modified	yrume.fernandez@gmail.com

Table of Contents

1. Requirement Specifications	4
2. System Specification	4
Operational:	4
Development:	4
3. Software Management	5
4. Project Schedule	5

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

Operational:

The following are the minimum required software interfaces in support of a Python based news indexing system, using Flask, 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 (with PIP and the following modules)
 - i. Flask Module
 - ii. 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

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.

4. Project Schedule

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)

[illegible]