WBIT 4030

Data Driven Web Application Project Proposal

Submitted by:
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Submitted to:
Professor Canedo

1. INTRODUCTION

WBIT 4030 is a capstone course that requires students to complete an Information Technology project. My goal is to complete an information technology project that explores my interest in technologies such as APIs (Application Program Interfaces), databases, programing languages, and cloud computing. a data-driven web application. As a Network IT specialist since 2004, I've witnessed the increasing importance of the before mentioned technologies. For example, knowledge of programming language is becoming essential to automating the interactions with network routers and switches. In addition, interactions with network routers and switches leverage APIs.

2. OVERVIEW

The goal of the project is to develop a data driven Web-application. The development of the data driven Web-application requires using GitHub, Heroku, Django or Flask web design framework, Python program language, APIs, and SQL server database.

2.1 Project Information

- **Title**: Web Application
- **Objective**: Working System that meet written specifications.
- **Start Date:** February 3, 2020
- **Finish Date** May 1, 2020
- **Key Milestones:** Setup Cloud computing Test Environment- **3 March**

  Design features and functions of the data driven web-application-**17 March**

  Convert system specifications into a working data driven web-application-**31 Mrach**

  Meeting with Stakeholder- **11 April**

  Meeting with Stakeholder- **19 April**

Present demo video and data driven web-application to stakeholders for finals-**30 April**

- **Success Criteria** A functional Data Driven Web Application that meet all requirements or goals.

3.Project Scope

This section provides an overview of the tasks required to complete the project.

- Identify the need for a data driven web-application
  - Consult with Stakeholder discover potential systems projects.
- Determine systems requirements
- Design features and functions of the data driven web-application
  - Logical – describe feature and functions independently of specific technology or computer platform
  - Physical – convert logical design into technology-specific system specifications
- Convert system specifications into a working data driven web-application
  - Code, test, and install Web Interface
  - Code, test, and install Web Backend
  - Code, test, and install Web Database
- Present web-application to stakeholders for approval and feedback

3.1 Project Methodology

The project will be achieved by following a generic version of the SDLC (Systems development Life Cycle) methodology. The SDLC used in this project will have the following phases.

- Planning
- Analysis

- Design
- Implementation
- Maintenance

4. ROLES AND RESPONSIBILITIES

This section provides the primary Points of Contact (POC) and roles and responsibilities for the project.

- **Project Manager**
  - POC: Ralph Anderson Jr
  - Phone: 912-980-2472
  - Position: Student
  - Email Address: randers4_gsou@go.view.usg.edu
- **Project Sponsor**
  - POC: Mr. Jose Canedo
  - Position: Instructor
  - Email Address: Canedo_Jose_CSU@go.view.usg.edu