March 16, 2016

Capstone Project Overview

Unit 1:

Objectives and scope:

* Needs
* Requirements
* Specifications
* Resources required to deliver the product, including human resources, time, funds, space and tools.
* Deliverables
* Milestones
* Task
* Set up teams and assign roles to each team member. Use a project management tool to configure the preceding information into a project plan.
* Identify resource, including time, human resources, and cost, and consider how to integrate each team member’s responsibility with the overall needs of the project.
* Understand and start preparing for the individual skill assessment.

Unit 2:

Project Planning:

* Learn and gather technical skills for the development of the project
* Begin working on capstone project software application
* Identify the major milestones and individual task
* Determine the programming language to sue for the software application
* Deliver the preliminary project plan **Milestones, tasks, timelines, and major deliverables for review.**
  + Deliverables:
    - Submit the team project sheet identify the following
    - Team member names
    - Team member responsibilities
    - Team project identification
    - Programming language
    - Preliminary project plan

Unit 3:

Application Development:

* Use Microsoft office Project or a similar project management tool to produce a Gantt Chart identifying how project resources are allocated
* Produce the requirements definition document identifying the system specifications, such as input, output, storage and control functions.
* Deliver a preliminary data flow diagram using Microsoft Visio or other graphical application
* Continue working on the software application coding
  + Deliverables:
    - Submit the following
    - A Gant chart generated by MS Project or similar tool
    - Requirements definition document
    - Data Flow Chart