HTCS5601 Requirements Engineering Principles

Week 3 - SDLC Worksheet

This is an individual worksheet that will be done in class.

Name:

These exercises tests your understanding of the slides

Exercise 1 – Phases of the SDLC

Number these phases in order that they need to be done (presently in alphabetical order)

Analysis

Design

Development

Implementation

Operations & Maintenance

Planning

Exercise 2 – Phases of the SDLC.

Below is some of steps that need to be completed in the SDLC. Identify which phase each belongs and number them appropriately.

You can do this exercise in MSWord by moving the rows around.

In the second column identify the phase by putting P for planning, A for analysis, D for design, V for development, I for implementation and O for operations and maintenance.

Within each phase, rearrange the steps in the order that they need to be performed. Alternatively number them.

|  |  |  |  |
| --- | --- | --- | --- |
| 1 |  |  | Write and test programming code |
| 2 |  |  | Conduct a feasibility study |
| 3 |  |  | Install the new systems environment |
| 4 |  |  | Write a requirements document |
| 5 |  |  | Describe end of system activities |
| 6 |  |  | Define the scope and boundary of the project |
| 7 |  |  | Conduct an integrated systems test |
| 8 |  |  | Provide a change management policy |
| 9 |  |  | Train the users |
| 10 |  |  | Write a systems design specification document |
| 11 |  |  | Identify the need or opportunity for a project |
| 12 |  |  | Gather and analyse user requirements |
| 13 |  |  | Prepare a systems conversion plan |
| 14 |  |  | Build and test user interfaces |
| 15 |  |  | Convert data from old system to new system |
| 16 |  |  | Develop a project management plan |
| 17 |  |  | Design the databases |
| 18 |  |  | Build and test databases |
| 19 |  |  | Design user interfaces |
| 20 |  |  | Write the project proposal |
| 21 |  |  | Perform fact-finding techniques |
| 22 |  |  | Build a logical model of the new system |
| 23 |  |  | Install and test new software packages |
| 24 |  |  | Check that requirements are met |
| 25 |  |  | Conduct post implementation review |