Midwestern State University

Iteration # 2 –Software Engineering

Power Point Presentation

Posted 02/19/2024

* Team Name, Project Title, Iteration Team Leader, and Team Members (1 slide)

Use the SAMS (Study Abroad Management System Slides as guidance)

* Mention the Current Business Situation (1 slide-update)
* Business Goals (1 slide-update)
* Wish List (up to 4 slides-list them all)
* Identifying Needs (up to 4 slides-list them all)
* Requirements from Needs and classified as follows:

Functional & Nonfunctional Requirements for the Iteration (up to 12 slides)

* + 1st – 3rd slides must be used to list them.
  + 4-8th slide 🡪 Each Functional and Non Functional requirement must have an explanation or justification of why it was classified as functional or non-functional
* Constraints (up to 8 slides)
  + 1st and 2nd slides must be used to list them.
  + 3-8th slide 🡪 Each Functional and Non Functional requirement must have an explanation or justification of why it was classified as functional or non-functional
* List of Information Techniques that you used to derived requirements (up to 5 slides)
  + 1st slide (you list them all)
  + How did you use these techniques? (2-5th slide)
* Answers to each one of the following questions (8 slides, one question per slide)

The following questions MUST appear on your slides

* 1. What is the business, the current business situation, and how does it operate?
  2. What is the system’s environment or context?
  3. What are existing business processes, their input and output, and how do they relate to each other?
  4. What are the problems with the current system?
  5. What are the business or product goals?
  6. Who are the users of the current and future systems, respectively?
  7. What do the customer and users want, and what are their business priorities?
  8. What are the quality, performance, and security considerations?
* Business Domain Model (1 slide)
  + Define and ID your domain
* How did you collected information about your domain? (up to two slides)
* Results from your brainstorming process (up to two slides)
* Show the classification of: (up to 6 slides)
  + classes
  + attributes / attribute values
  + relationships
    - association, inheritance, aggregation
  + Multiplicity
* Introduce the following Domain Model relationships and elements using a UML Class diagram (as many slides as needed)
  + Association (partial class diagram)
  + Aggregation (partial class diagram)
  + Inheritance (partial class diagram)
  + Multiplicity (partial class diagram)
* Provide a whole/full Sample domain model (here you put together all the partial class diagrams)
* Proof of Version Control (usage – with dates and names)
* Proof of Team Communication (with dates and names)
* Team Member Work Accomplished (up to 1 slide per team member)
* Schedule Update (1 slide)
* Project Demo (1 slide, screen capture video, link to youtube.com)

Must open in VLC and must have audio. You will demonstrate the current status of your project.

* Zip file with code in which shows implemented classes, objects, relationships, your code must be documented (comments)
* All diagrams must be completed using <https://app.diagrams.net/>

Additional Documents to be delivered

* Software Requirement Specifications (See template provided in previous lectures)
* Feasibility Study
  + <https://www.slideshare.net/PasinduTennage/sample-software-engineering-feasibility-study-report>

**This is a more complete iteration, each team member must be prepared to present for 6 minutes/**

**Deadline (Current): Second day of class – Week of Feb 26th - March 1st @ 6:00 am.**