**MILESTONE EVALUATION SHEET**

**MILESTONE NO.**

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|  | **2** |

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| **DATE:** | **COURSE NO.: ISMG 6060** |
|  | **INSTRUCTOR:** [**Ersin Dincelli**](https://ucdenver.instructure.com/courses/395441/users/283799) |

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| **TEAM NO. OR NAME** | **TEAM MEMBERS** |
|  | **Yash Nigam** |
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| **Student comments:** |
| **Cost Benefit analysis, use case point estimation worksheet and break even analysis graph are attached along with the milestone 2 word doc.** |
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| **Instructor comments:**   |  | | --- | | **1. Executive summary:** | | In this section, it is better to include the structure of your proposal with all the primary results from each section. Executives will go to the corresponding section only when they have doubt with your results. | | **2. System request:** | | Need to list the name of the project sponsor. | | Usually, having the project sponsor from the top-level of the company will bring the project more support. | | Need to revise your system request according to my comments. | |

**Score: 10**

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| System Proposal Template |

**Executive summary**

Contract information from all the clients will be consolidated in a single database to reduce manual efforts and track real time status. This database will also have candidate section with all their information which will be updated continuously. Going forward employees from all the department will be working through the same database cutting out the dependency on each other. Real time interaction with the client will be enabled using analytics and dashboards so that the customer can see the transparency in the process. The new request system will enable the clients to directly submit the request in the system and it will be further taken care by PSSM, including contract manger, placement manager and arrangement manager.

# System Request Template

| System Request: | Professional and science staff management (PSSM) |
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| Project Sponsor: | Contract Manager, Placement manager **Professional and science staff management (PSSM)** |
| Business Need: | The project will enable multiple users to login into a common system simultaneously, one automated system will be implemented reducing the duplicate workload caused by paper requests and electronics requests and responses. Interactive dashboard will be implemented to keep a track of placement records. The contract manager, placement manager and arrangement manager should be able to communicate well with a consolidated database. |
| Business Requirements: | -Analytics to keep real time placement record on a dashboard -Real time interaction with clients for their requirements through interactive service portal -Immediate response system to alert the client and prospective employee during each step -Customer service unit to help clients and employees to resolve any doubts or clarifications -A client facing database will enable the clients to put in a request and as the request processes, the contract manager will get the notification in real time |
| Business Value: | This new consolidated system will reduce the manual effort and keep the real time information for all contracts, notify the contract manager and clients if the contract is coming to an end. It will also manage the candidate database and upgrade it continuously for clients to directly look for candidates of their own choice. With next phase an application will be implemented with this consolidated system enabling all the departments to fetch employee data, contract data and the placement status .It will give PSSM a competitive advantage over other staffing agencies. |
| Special Issues or Constraints: | -With the proposed system we will eliminate the redundancy and automate the entire information system for anyone with the PSSM login credentials and our clients -The integrated system will be deployed in modules, starting with the client facing portal to put in requests and answer any generic questions with automated customer service page. -For integration, technical expertise will be required for DevOps and analytics, along with that, customer service representatives will need training with the new integrated system. |

**Evolutionary Work-plan and work breakdown structures**

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| Evolutionary WBS Template for the Enhanced Unified Process |

|  | Duration | Dependency |
| --- | --- | --- |
| **I. Business Modeling** |  |  |
| a. Inception  1. Understanding current scenario 2.Uncover business process problems  3.Identification of potential projects | 1 day  0.5 day  0.5 day |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **II. Requirements** |  |  |
| a. Inception 1. Identification of requirement analysis techniques 2. Identification of requirements gathering techniques  3. Identification of functional and nonfunctional requirements  A. Perform JAD sessions  B. Perform document analysis  C. Conduct interviews  1. Interview project sponsor  2. Interview inventory system contact  3. Interview special order system contact  4. Interview ISP contact  5. Interview CD Selection Web contact  6. Interview other personnel  D. Observe retail store processes 4. Analyze current systems 5. Create requirements definition  A. Determine requirements to track  B. Compile requirements as they are elicited  C. Review requirements with sponsor | 0.5 day  0.5 day         3 days  5 days    0.5 day  0.5 day   0.5 day   0.5 day  0.5 day  1 day  1 day   4 days   1 day  5 days   2 days | II.a.1, II.a.2       II.a.3.A II.a.3.A  II.a.3.A II.a.1, II.a.2 II.a.3, II.a.4  II.a.5.A  II.a.5.B |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **III. Analysis** |  |  |
| a. Inception 1. Identify business processes 2. Identify use cases | 3 days  3 days | III.a.1 |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **IV. Design** |  |  |
| a. Inception 1. Identify potential classes | 3 days | III.a |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **V. Implementation** |  |  |
| a. Inception |  |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **VI. Test** |  |  |
| a. Inception |  |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **VII. Deployment** |  |  |
| a. Inception |  |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **VIII. Configuration and Change Management** |  |  |
| a. Inception 1. Identify necessary access controls for developed artifacts 2. Identify version control mechanisms for developed artifacts | 0.5 day  0.5 day |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **IX. Project Management** |  |  |
| a. Inception 1. Create workplan for the inception phase 2. Create system request 3. Perform feasibility analysis A. Perform technical feasibility analysis B. Perform economic feasibility analysis C. Perform organizational feasibility analysis  4. Identify project effort 5. Identify staffing requirements 6. Compute cost estimate 7. Create workplan for first iteration of the  elaboration phase 8. Assess inception phase | 1 day  1 day   1 day   2 days  2 days  0.5 day   0.5 day  0.5 day  1 day  1 day | IX.a.2        IX.a.3   IX.a.4  IX.a.5  IX.a.1  IX.a1 .a, II.a, III.a  IV.a, V.a, VI.a  VII.a, VIII.a,  IX.a, X.a, XI.a  XII.a |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **X. Environment** |  |  |
| a. Inception 1. Acquire and install CASE tool 2. Acquire and install programming environment 3. Acquire and install configuration and change management tool 4. Acquire and install project management tools | 0.5 day  0.5 day   0.5 day    0.5 day |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **XI. Operations and Support** |  |  |
| a. Inception |  |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |
| **XII. Infrastructure Management** |  |  |
| a. Inception 1. Identify appropriate standards and enterprise models 2. Identify reuse opportunities, such as patterns,  frameworks, and libraries 3. Identify similar past projects | 1 day   0.5 day      1 day |  |
| b. Elaboration |  |  |
| c. Construction |  |  |
| d. Transition |  |  |
| e. Production |  |  |

**Risk Assessment and feasibility analysis**

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| **Risk** | The new consolidated database system might be a risk factor due to its introduction |
| **Likelihood of risk** | Medium probability |
| **Potential Impact** | Time will be consumed and delay in quality assurance |
| **Ways to address this risk** | The risk can be mitigated by appointing a systems analyst and an architect to design the database and train the team. |

Feasibility Analysis Executive Summary

Technical Feasibility: Can We Build It?

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| **Familiarity with Functional area: Less familiarity generates more risk** |
| * **PSSM is familiar with the functional side of the proposed system, they are clear with its operation and implementation** |
| **Familiarity with Technology: Less familiarity generates more risk** |
| * **They are familiar with the technology, the database consolidation, retrieval, extraction and the dashboard analytical side is well planned and sorted out. With the new system, the technical specialty has to be taken care by experts and external help will be required, medium familiarity.** |
| **Project Size: Large Projects have more risk** |
| * **PSSM has a large project which will be deployed in phases, this is a medium to high risk project.** |
| **Compatibility: The harder it is to integrate the system with the company’s existing technology, the higher the risk** |
| * **The system will be compatible as there is no such as-in system available, everything is created from scratch keeping up with business requirements and stakeholder demands.** |

# Economic Feasibility: Should We Build It? ****With the right amount of return on investment, the project is economically feasible****

# Intangible Costs and Benefits ****-The system will be needing maintenance cost -PSSM will have to spend money to hire experienced architects to design the database -Biggest benefit will be the competitive edge over the competitors -Robust and flawless system will attract more clients and upfront cost can be increased, resulting in profit****

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# Organizational Feasibility: If We Build It, Will They Come?

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| **Strategic Alignment** |
| Stakeholders |
| * Is the project strategically aligned with the business?  **Yes** |
| * Project Champion(s) Clients, PSSM employees and stakeholders |
| * Senior Management |
| * Users |
| * Other stakeholders |

# Additional Comments

Cost benefit analysis  


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