**CS 6362 Software Architecture and Design**

**Software Project Management Plan for KWIC (Keyword in context) Software System**

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Proposed to

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Table of contents

[1. Introduction](#_mc2vuu2bju5i)........................................................................................................................3

[1.1 Project overview](#_2e8vrfo75nx4)......................................................................................................3

[1.2 Project deliverables](#_9txov5z7ck6m)................................................................................................3

[1.3 Evolution of this document](#_5s77a08ur1nk).................................................................................4

[1.4 References](#_mq12d6wkvhk5)..................................................................................................................4

[1.5 Definitions, acronyms, and abbreviations](#_sd8icvg92xte)....................................................4

[2. Project organization](#_osrku99wmb35)........................................................................................................4

[2.1 Process model](#_9w1ax0qzfkt1)...........................................................................................................4

[2.2 Organizational structure](#_rtizxrvojshg)......................................................................................4

[2.3 Organizational boundaries and interfaces](#_6alo3hkwblgt)...................................................5

[3. Managerial process](#_2l21ibmrbszl)..........................................................................................................5

[3.1 Management objectives and priorities](#_l11dbqtxrzwq)...........................................................5

[3.2 Assumptions, dependencies, and constraints](#_iigliccfopq9).............................................5

[3.3 Risk management](#_lqsseiclqpdy)....................................................................................................5

[3.4 Monitoring and controlling mechanisms](#_2wqnf9r5hfhu)......................................................5

[4. Technical process](#_36vqfxz6cpwg).............................................................................................................5

[4.1 Methods, tools, and techniques](#_eykdnxqbbst6).........................................................................5

[4.2 Software documentation](#_isrfmju0gzxa)......................................................................................5

[4.3 Project support functions](#_7h0lwflzm51x)....................................................................................5

[5. Work elements, schedule, and budget](#_iv4o8mupgpue).....................................................................6

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# **1. Introduction**

## 1.1 Project overview

The KWIC (Key Word in Context) index system shall accept an ordered set of lines, where each line is an ordered set of words, and each word is an ordered set of characters. Any line shall be **“Circularly Shifted"** by repeatedly removing the first word and appending it at the end of the line. The KWIC index system shall output a listing of all circular shifts of all lines in ascending alphabetical order.

## 1.2 Project deliverables

|  |  |  |
| --- | --- | --- |
| **Week/Deliverable** | **Team Leader** | **Deliverable Description** |
| 06/6/2013 | Jacintha Doddi | Project Plan |
| 06/13/2013 |  | Requirements Specification |
| 06/16/2013 |  | Analysis |
| 06/20/2013 |  | Architecture Specification |
| 06/24/2013 |  | Component/Object Specification |
| 06/28/2013 |  | Source Code |
| 06/30/2013 |  | Test Plan |
| 07/02/2013 |  | Final Deliverable |

## 

## 

## 1.3 Evolution of this document

This document will be updated as the project progresses. Updates should be expected in the following sections:

1. *References*
2. *Definitions, acronyms, and abbreviations*
3. *Organizational Structure*
4. *Technical Process*
5. *Schedule*

## 1.4 References

1. Team Website : [www.utdallas.edu/~kxr123330](http://www.utdallas.edu/~vxs120630)
2. Project Scope :<http://www.utdallas.edu/~chung/SA/Project1.pdf>
3. Course Home Page :<http://www.utdallas.edu/~chung/SA/syllabus.htm>

## 1.5 Definitions, acronyms, and abbreviations

# **2. Project organization**

## 2.1 Process model

The Waterfall process model is to be used for this project such that each stage of the waterfall allows us to update the project plan and other deliverables for missing areas or correctness.

## 2.2 Organizational structure

The Team members are:

1. Jacintha Doddi
2. Keerthikumar Ravichandran
3. Jayabharathi Sundararaj

## 2.3 Organizational boundaries and interfaces

Different team leaders are assigned for each phase. During each phase the corresponding team leader will be responsible for coordinating team meetings, updates, communications, and team deliverables.

# **3. Managerial process**

## 3.1 Management objectives and priorities

## 3.2 Assumptions, dependencies, and constraints

## 3.3 Risk management

## 3.4 Monitoring and controlling mechanisms

# **4. Technical process**

## 4.1 Methods, tools, and techniques

The project will be implemented utilizing Waterfall methodology, and tools such as Eclipse, JDK 1.6, Windows 7, Browsers- Firefox, Chrome & IE, SQL Server/Oracle DB/MySQL, Apache and JQuery be utilized. The object oriented architectural style will be used to build a Java applet demonstrating the project.

## 4.2 Software documentation

## 4.3 Project support functions

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# **5. Work elements, schedule, and budget**

The project schedule is as follows:

Cycle 1:

1. Interim Project 1 - 06/20/2013
2. Final Project 1 - 07/02/2013

Cycle 2:

1. Interim Project 2 - 07/23/2013
2. Final Project 2 - 08/01/2013