TEC DE COSTA RICA – ESCUELA DE COMPUTACIÓN
IC-7840 PROYECTO
Prof. Dr. Jaime Solano Soto

ERS Iteración 2 (Individual) y 3 (Grupal)

ESPECIFICACIÓN REQUERIMIENTOS SISTEMA

Alumno: _____

Calificación: _____

ASPECTO DEL DOCUMENTO	PONDERAC	OBTENI
1-Introducción	**20**	
1.1-Propósito del documento ERS 2 iterac	2	
1.2-Objetivos del sistema		
1.2.1-Objetivo general	2	
1.2.2-Objetivos específicos 2 iterac (Como Casos Uso)	5	
1.2.3-Criterios de éxito (Uno por cada obj esp)	5	
1.3-Perspectiva del producto por desarrollar 2 iterac (Plantilla Bittner)	4	
1.4-Visión general de la estructura del documento ERS 2	2	
2-Requerimientos funcionales	**45**	
2.1-Contexto del sistema		
2.1.1-Diagrama casos de uso 2 iterac	4	
2.2-Descripción detallada cada CU 2 iterac (ordenados forma descend. por prioridad).		
2.2.1-Caso de uso 1:		
2.2.1.1-Texto (formato Wiegers anexo) del CU	5	
2.2.1.2-Pantalla (s) y/o reporte (s) del CU	5	
2.2.1.3-Diagrama de actividades del CU	5	
2.2.1.4-Diagrama de estados del CU	5	
2.2.1.5-Diagrama secuencia del sistema (DSS)	5	
2.2.1.6-Contratos de operaciones	5	
2.2.1.7-Casos de prueba del CU (Datos entrada y resultados)	5	
2.2.2-Caso de uso 2...n		
2.3- Patrones de requerimientos		
2.3.1- Información	2	
2.3.3- Entidad de datos	2	
2.3.4- Funciones de usuarios	2	

ASPECTO DEL DOCUMENTO	PONDERAC	OBTENI
3-Requerimientos no funcionales	**15**	
3.1-Patrones de requerimientos del producto		
3.1.1-Interfaz local del usuario (descripción, muestra de una pantalla y formato de reportes)	4	
3.1.2-Interfaz Web del usuario (descripción y muestra de una pantalla)	4	
3.1.3- Rendimiento	2	
3.1.4- Flexibilidad	2	
3.1.5- Control de acceso	2	
3.1.6- Comerciales	1	
Apéndices	**20**	
1-Carta recibido del usuario	5	
2-Plan del proyecto actual -Gantt en Project (Debe venir en sólo 1 pág desgloce semanal y no diario)	8	
2-Plan proyecto original(Gantt / Project) (1 pág)	7	

ANEXOS

1- PLANTILLA PARA DESCRIPCIÓN CU (Formato Wiegers)

Use Case ID Created By Date Created	UC-1 Tim 12/4/02	Use Case Name Last Updated By Date Last Updated	Request a Chemical Janice 12/27/02
Actors	Requester		
Description	The Requester specifies the desired chemical to request by entering its name or chemical ID number or by importing its structure from a chemical drawing tool. The system satisfies the request either by offering the Requester a new or used container of the chemical from the chemical stockroom or by letting the Requester create a request to order from an outside vendor.		
Preconditons	1. User's identity has been authenticated. 2. User is authorized to request chemicals. 3. Chemical inventory database is online.		
Postconditions	1. Request is stored in the Chemical Tracking System. 2. Request was e-mailed to the chemical stockroom or to a Buyer.		
Normal Course	**1.0 Request a Chemical from the Chemical Stockroom** 1. Requester specifies the desired chemical. 2. System verifies that the chemical is valid. 3. System lists containers of the desired chemical that are in the chemical stockroom. 4. Requester has the option to View Container History for any container. 5. Requester selects a specific container or asks to place a vendor order (alternative course 1.1). 6. Requester enters other information to complete the request. 7. System stores request and e-mails it to chemical stockroom.		
Alternative	**1.1 Request a Chemical from a Vendor (branch after step 5)**		
Alternative Courses	**1.1 Request a Chemical from a Vendor (branch after step 5)** 1. Requester searches vendor catalogs for a chemical. 2. System displays a list of vendors with available container sizes, grades, and prices. 3. Requester selects a vendor, container size, grade, and number of containers. 4. Requester enters other information to complete the request. 5. System stores request and e-mails it to Buyer.		
Exceptions	**1.0.E.1 Chemical is not valid (at step 2)** 1. System displays message: "That chemical does not exist." 2. System asks Requester whether he wishes to request another chemical or to exit. 3a. Requester asks to request another chemical. 4a. System starts Normal Course over. 3b. Requester asks to exit. 4b. System terminates use case. **1.0.E.2 Chemical is not commercially available (at step 5)** 1. System displays message: "No vendors for that chemical." 2. System asks Requester whether he wishes to request another chemical or to exit. 3a. Requester asks to request another chemical. 4a. System starts Normal Course over. 3b. Requester asks to exit. 4b. System terminates use case.		
Includes	**UC-22** View Container History		
Priority	High		
Frequency of Use	Approximately five times per week by each chemist, 100 times per week by each member of chemical stockroom staff.		
Business Rules	**BR-28** Only staff who are authorized by their laboratory managers may request chemicals.		
Special Requirements	1. The system must be able to import a chemical structure in the standard encoded form from any of the supported chemical drawing packages.		
Assumptions	1. Imported chemical structures are assumed to be valid.		
Notes and Issues	1. Tim will find out whether management approval is needed to request a chemical on the Level 1 hazard list. Due date 1/4/03.		