

Sumerian Project
Requirements Development Process
CS 491

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Revision History

Revision	Description	Date
1.0	Initial Document	5/9/2014

1 PURPOSE

The purpose of the Requirements Development document is to solidify a concrete process that ensures both the customer and the developers embark on a valuable and feasible project. A formal process is helpful to all parties and decreases chances of miscommunication greatly.

2 STAKEHOLDERS

- Dr. Garfinkle of WWU History Department
- Aran Clauson
- Sumerian Texts continuation group.

3 PROCESS

3.1 ELICITATION

Purpose: Obtain a direction from the customer.

Entry Criteria: Have a customer with a need or want.

Tasks:

Write a Vision and Scope Document
Define requirement development process
Define vision and scope
Identify user classes.
Identify use cases.
Identify system events and responses.
Observe users performing their jobs

Exit Criteria: All requirements have been assessed and are documented.

Work Products:

Vision and Scope Document.
Use cases document.

3.2 ANALYSIS

Purpose: Assess feasibility of customer request.

Entry Criteria: We know what the customer wants.

Tasks:

Draw context diagram
Create prototype
Analyze feasibility
Prioritize requirements
Model the requirements

Apply quality function deployment
Assess reuasability and potential for expansion

Exit Criteria: All requests have been approved and finalized by group.

Work Products:

Context Diagram
Prioritized Requirements
Risk and Opportunity Study

3.3 SPECIFICATION

Purpose: To formally document the customer requirements.(TODO: reword)

Entry Criteria: The statement of work has been received and all requests have been approved by group.

Tasks:

Adopt SRS template
Identify sources of requirements
Uniquely label each requirement
Record business rules
Specify quality attributes

Exit Criteria: All requests have been approved and finalized by group.

Work Products:

SRS
Supplementary Specification

3.4 VALIDATION

Purpose: To ensure our specification meets our customer's needs and is a feasible project.

Entry Criteria: Completed Specification

Tasks:

Validate SRS
Define Acceptance Criteria
Test requirements

Exit Criteria: All documents approved by team and customer.

Work Products:

Requirements Validation Plan
Prototype

4 VERIFICATION

Team will review documents and ensure correctness. The documents will be submitted to the customer for approval.

5 EXIT CRITERIA

Documents approved by customer.

6 REFERENCES

Software Requirements 2nd Edition, Karl E Weigers (p. 45) Microsoft Press, Redmond, Washington, 2003

Algae Counting Team Requirements Development Process V1.0