

Sumerian Project  
Requirements Development Process  
CS 491

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## Contents

<b>1</b>	<b>PURPOSE</b>	<b>4</b>
<b>2</b>	<b>STAKEHOLDERS</b>	<b>4</b>
<b>3</b>	<b>PROCESS</b>	<b>4</b>
3.1	ELICITATION . . . . .	4
3.2	ANALYSIS . . . . .	4
3.3	SPECIFICATION . . . . .	5
3.4	VALIDATION . . . . .	5
<b>4</b>	<b>VERIFICATION</b>	<b>6</b>
<b>5</b>	<b>EXIT CRITERIA</b>	<b>6</b>
<b>6</b>	<b>REFERENCES</b>	<b>6</b>

### 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
- Cuneiform group 1.

# 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.

**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