

# **Software Architecture and Design**

## **Project 1**

### **KWIC Software Architecture for Web-based Search Engine**

#### **Document 3 User Manual**

**CS 6362 - Software Architecture**

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# Table of Contents

<b>1. INTRODUCTION .....</b>	<b>3</b>
<b>2. USER INTERACTION .....</b>	<b>3</b>
<b>3. CONCLUSION.....</b>	<b>6</b>
<b>REFERENCES.....</b>	<b>6</b>

# Table of Figures

<b>FIGURE 1 FIRST SCREEN.....</b>	<b>3</b>
<b>FIGURE 2 USER INPUT.....</b>	<b>4</b>
<b>FIGURE 3 SYSTEM OUTPUT.....</b>	<b>5</b>

# 1. INTRODUCTION

The KWIC software system accepts a set of lines, circularly shifts them by repeatedly removing the first word and appending it at the end of the line, and generates at the output a list of lines in ascending alphabetical order.

# 2. USER INTERACTION

- Click on the option “Applet implementation” on the main page of the KWIC software system and the Main screen will appear for user to input the Lines.

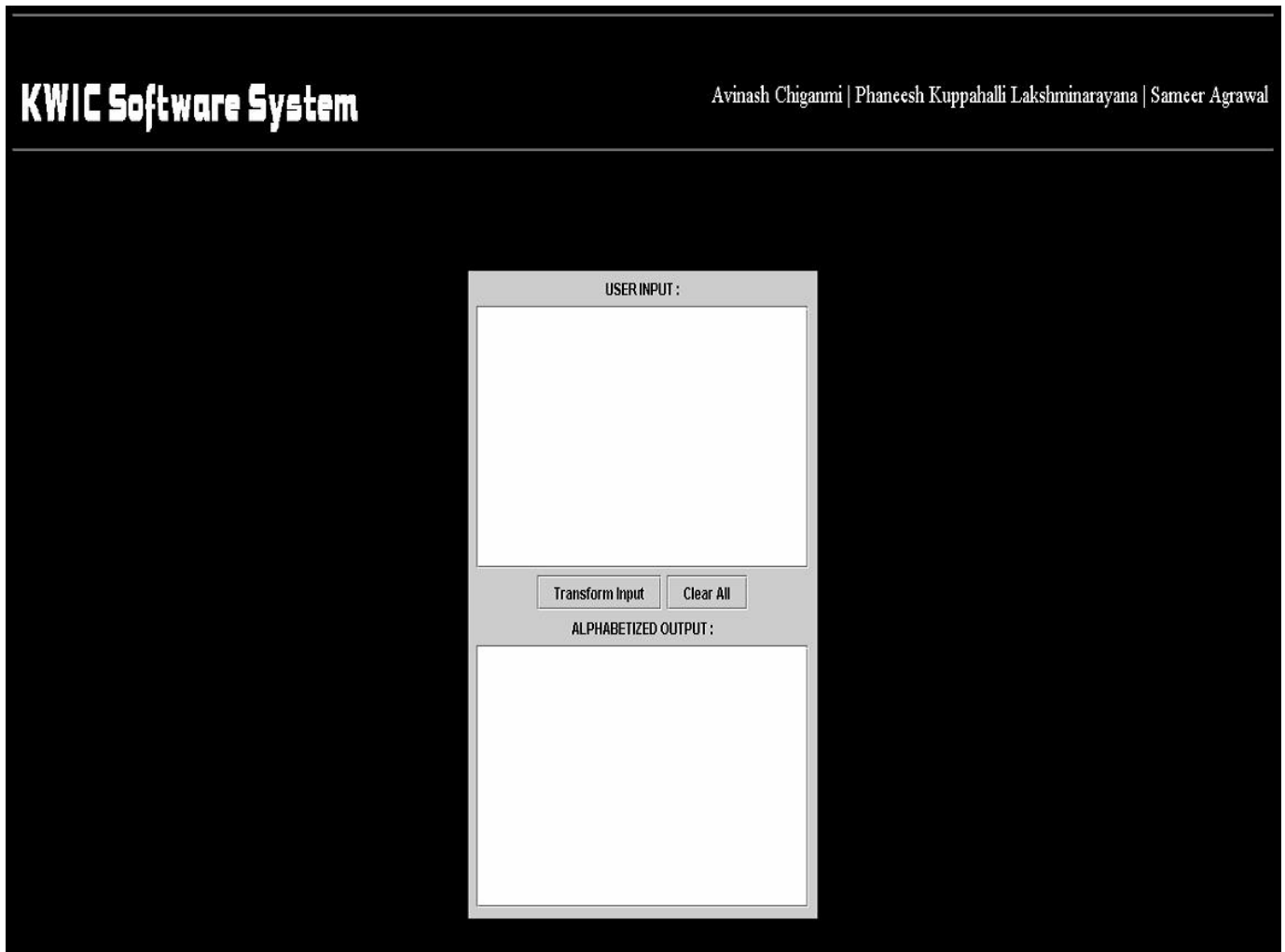
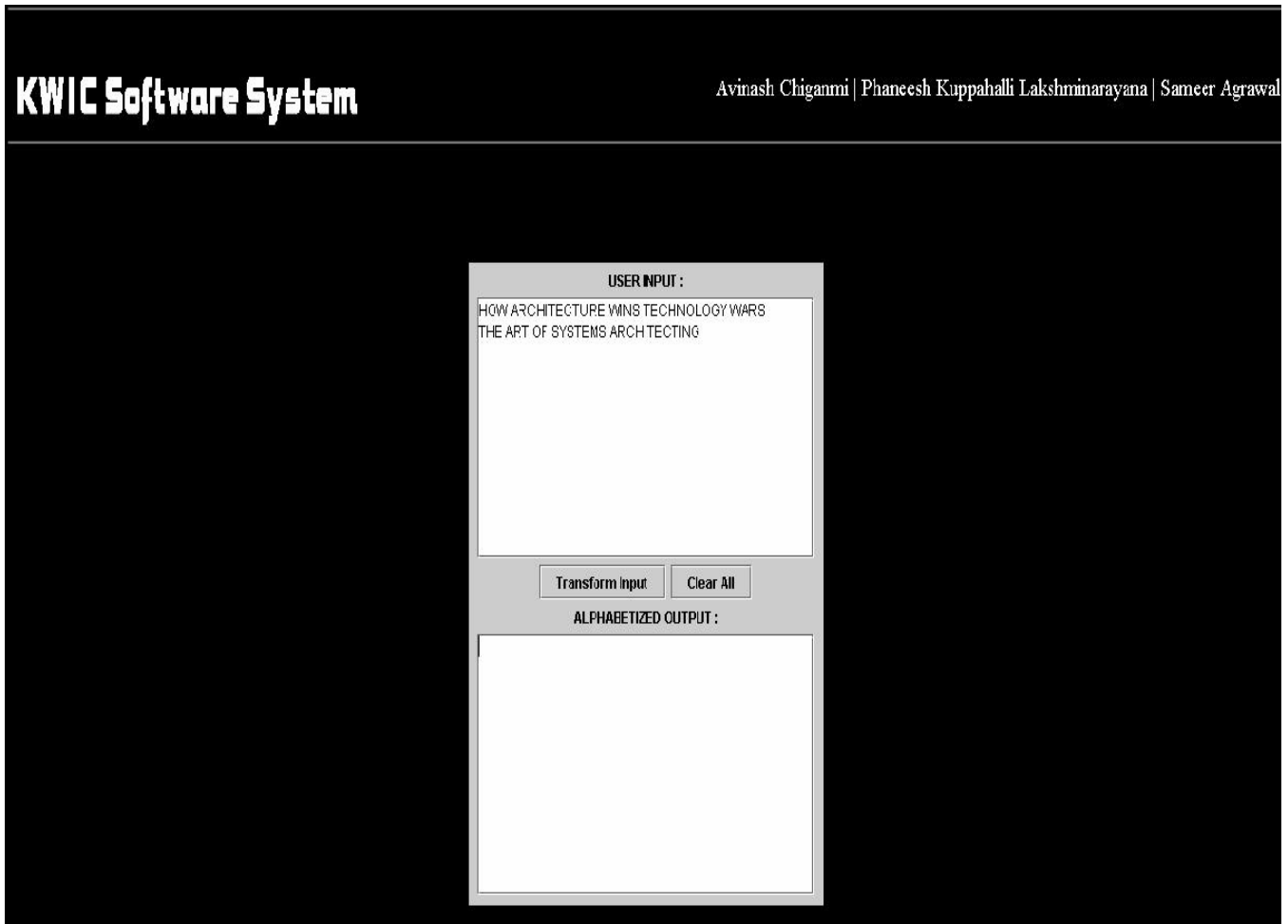


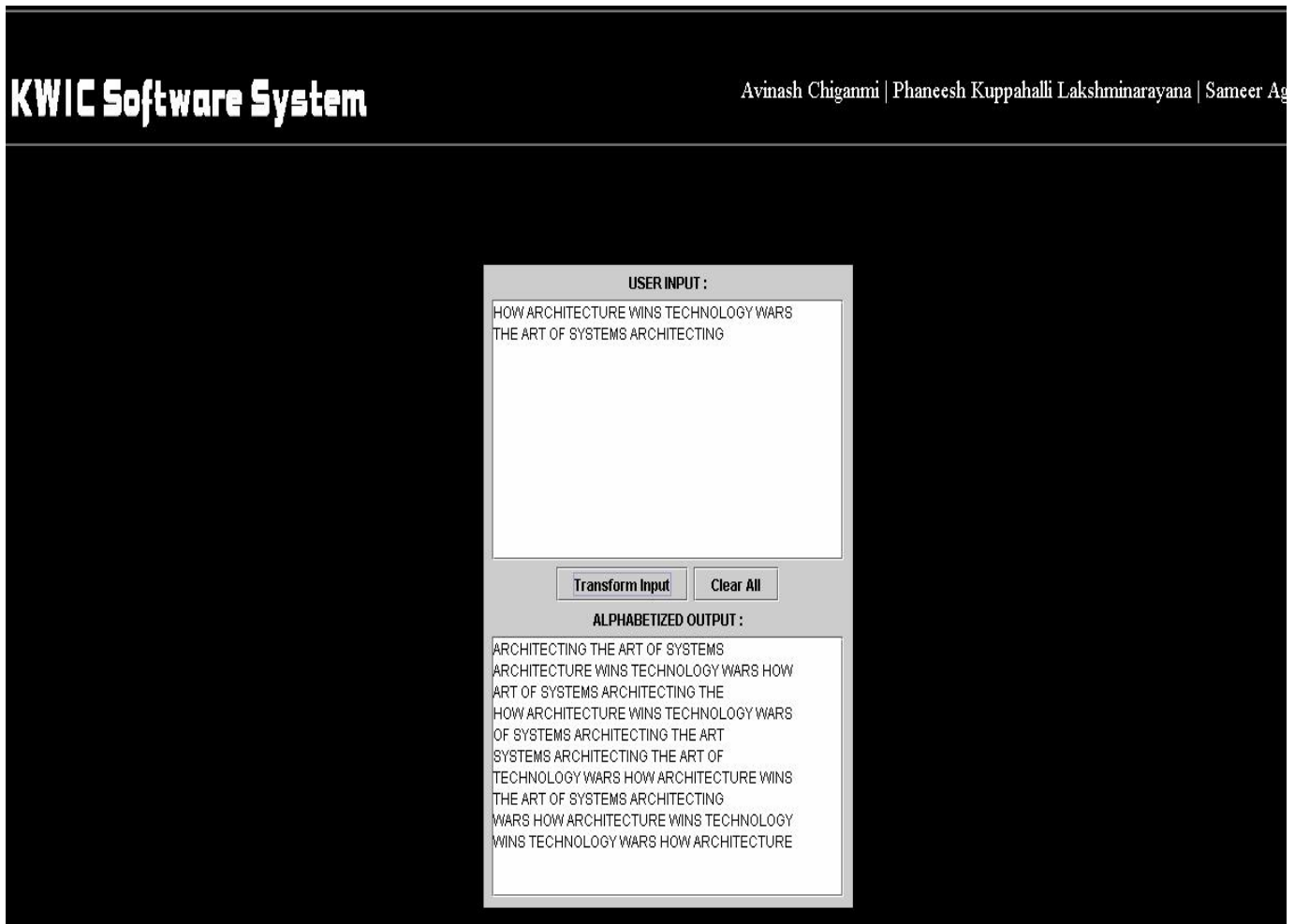
Figure 1 First Screen

- Enter the Input in the “User Input” Text Area. Your input can be a set of lines:
  - The words in the input lines should be separated by a space.
  - After entering every line hit the Enter key.



**Figure 2 User Input**

- After entering the input, the User clicks on the “Transform input” button and the shifted and sorted output will be generated in the text area “Alphabetizer Shift”



**Figure 3 System Output**

**Address of the Website:**

<http://www.utdallas.edu/~pxk039000/SAD/Home.html>

<http://www.utdallas.edu/~aac041000/Courses/SAD/Project1/Home.html>

<http://www.utdallas.edu/~sxa037200/SAD/Home.html>

**System Requirements:**

You will need a Java enabled browser to run this system.

### **3. CONCLUSION**

This document describes the typical interaction between the user and the system. The screenshots have been provided to give a better view of the system.

### **REFERENCES**

- [1] Shaw, M, Garlan, D, *Software Architecture: Perspectives on an Emerging Discipline*, Prentice Hall, 1996.
- [2] The Java Tutorial, “The Java Tutorial A practical guide for programmers”, March 11, 2004, <http://java.sun.com/docs/books/tutorial/>