

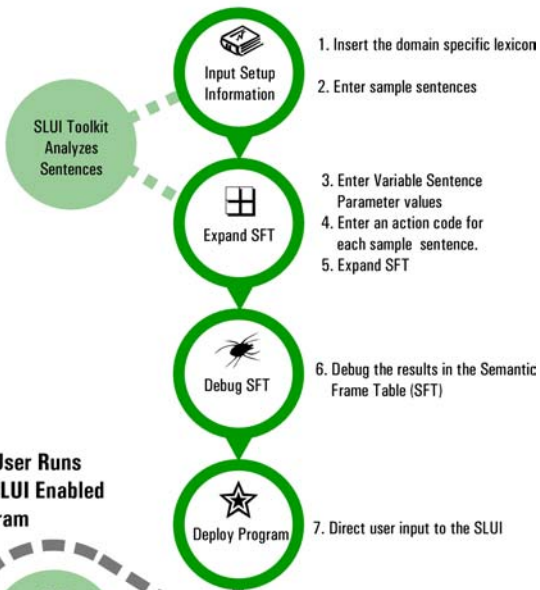


## Introduction:

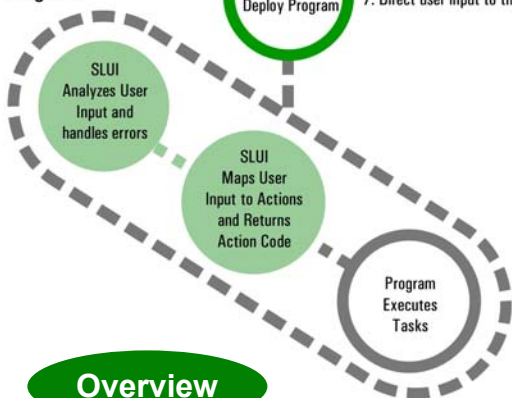
SLUI-enabled programs can be created in 7 steps. This Quick-Start Guide describes how to use the SLUI Toolkit to quickly get you up and running. Refer to the SLUI Toolkit Documentation for a detailed description of the Toolkit functions and for information on how to make the SLUI-enabled Application robust.

The 7 steps are categorized into 4 main system processes: Input Setup Information, Expand SFT, Debug SFT, and Deploy Program.

### Steps For Programmer



### End User Runs the SLUI Enabled Program



### Overview

Description	Ex	SFT Field
Action linked to the concept	Function Call	Action
Type of sentence	Yes – No Question	Sentence Type
The main verb in a sentence	Send	Predicate
The doer of the action	BCL Computers (You)	Argument 1 (Subject)
the object that receives the action of the verb	Shirt	Argument 2 (Direct Object)
an object indirectly affected by the action of the verb	Web User (Me)	Argument 3 (Indirect Object)
An object that has properties	Shirt	Modifier 1 (Head)
Properties of the object in Modifier 1	Blue	Modifier 1 (Comp)

1	Action	Sentence Type	Predicate	Subject (Arg1)	Object1 (Arg2)	Object2 (Arg3)	Mod1 Head	Mod1 Comp
void	is available	YESNO_QUESTION	send	bcl_computers	shirt	web_user	shirt	blue

Field values of an SFT  
Example Sentence: "Will you send me a blue shirt?"



## Spoken Language User Interface Toolkit

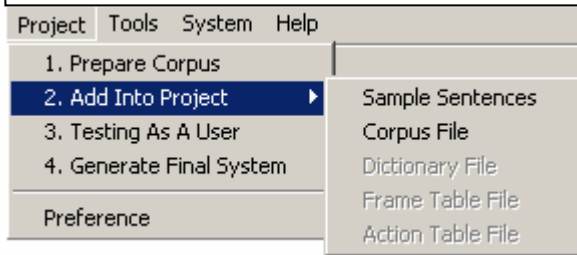
### Quick-Start Guide

BCL Computers  
Confidential

September 20, 2001



## Input Setup Information



### 1. Insert Domain Specific Lexicon

Click the [Dictionary File] menu item.

Select a custom domain specific dictionary file.

### 2. Insert Sample Sentences

Click the [Sample Sentences] menu item.

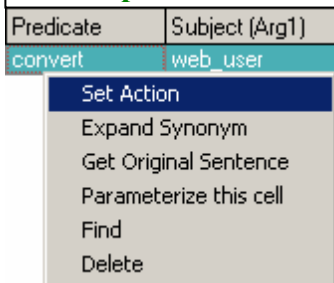
Enter a sentence in the "Insert Sample Sentence" window.

-or-

Click the [Corpus File] menu item.

Select a corpus file.

## Expand SFT



### 3. Enter VSP

Right-click a field in the semantic frame and select [Parameterize this cell] from the context menu.

Enter general category information and words that belong in that category in the "Parameterize this Cell" window.

### 4. Enter Action Codes

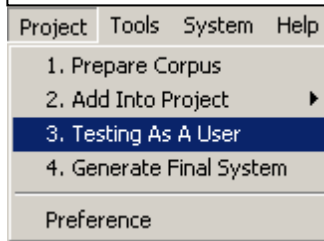
Right-click a frame in the SFT and select [Set Action] from the context menu.

Enter a function name or URL in the "Set Action" window.

### 5. Expand Synonyms

Right-click a frame in the SFT and select [Expand Synonym] from the context menu.

## Debug SFT



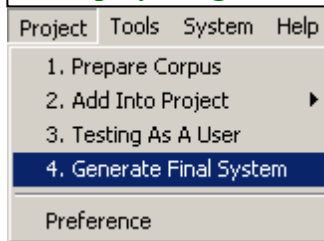
### 6. Debug the SFT

Click the [Test as a user] menu item.

Enter a test sentence in the "Test as a User" window.

Verify that the correct frames are identified.

## Deploy Program



### 7. Direct User Input to SLUI

Click the [Generate Final System] menu item.

Enter file destination location.

The toolkit generates C++ source code and inserts files into this directory structure → Interface with the source code in *stub.cpp*.

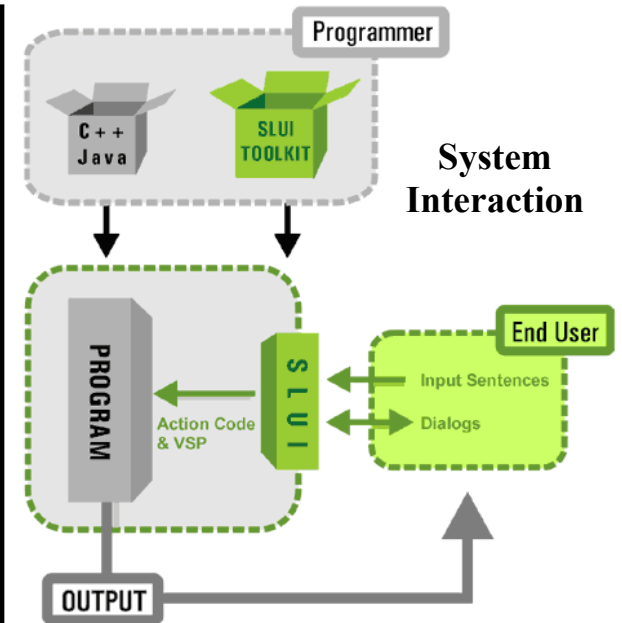


The programmer specifies the lexicon and sample sentences

The SLUI Toolkit expands the Semantic Frameset Table (SFT)

The programmer interacts with the SFT and checks the accuracy

The program is deployed with a SLUI



### Description of the generated directories and files

SLUI Project	Main Project Directory
Debug	Necessary DLL Files
Libs	Static Libraries
Src	Source Code Directory
Agents	Source Code- handles frames
Shared	Source Code- header files
Driver	Source Code- MFC AppWizard (Start here: <i>stub.cpp</i> , <i>stub.h</i> )