Test 1 - Hosting Site  
The system will be accessed via an ODU hosted web-site.  
Estimated Time:  N/A - ODU personnel will setup  
  
Test 2 - Authentication  
The system will allow the user to log-in with their current password  
or request the password be reset and a new password be generated and  
emailed to the address on file for the user.  
Estimated Time: 40 hrs.  
  
Test 3 - User Profile  
On authentication, the system will provide a user specific menu.  
Estimated Time: 35 hrs.  
  
Test 4 - User Hierarchy  
The system will divide users into the following categories:  
Super-User, Master Administrator, Expert, Teacher, Student, and Guest.  
Estimated Time: 10 hrs.  
  
Test 5 - Super User  
The system will allow the super user to administer the Master Administrator  
roster, administer language packs, run reports, and back-up the database.  
Estimated Time: 105 hrs.  
  
Test 6 - Master Administrator  
The system will allow the Master Administrator to administer the Teacher roster,  
administer the Expert roster, access the dictionary, submit dictionary   
requests to Experts, and run reports.  
Estimated Time: 245 hrs.  
  
Test 7 - Expert  
The system will allow Experts to access the dictionary, provide an interface for  
dictionary administration, and generate dictionary requests to other Experts.  
Estimated Time: 195 hrs.  
  
Test 8 - Teacher  
The system will allow Teachers to administer the Student roster,   
access the dictionary, submit dictionary requests to Experts, and run reports.  
Estimated Time: 210 hrs.  
  
Test 9 - Students  
The system will allow Students to select a language, do a lesson, take a   
quiz, access the dictionary, and run progress reports.  
Estimated Time: 310 hrs.  
  
Test 10 - Guest  
The system will provide a Guest account to select a language, access   
the dictionary for available languages, do available lessons, take available  
quizzes, and store results locally.  
Estimated Time: 300 hrs.  
  
Test 11 - Database  
The system will maintain an Oracle database at ODU.  
Estimated Time: 120 hrs.  
  
Test 12 - Master Administrator Roster  
The system will allow the Super User to add, modify, and delete   
Master Administrators.  
Estimated Time: 35 hrs.  
  
Test 13 - Administer Official Language Pack  
The system will allow the Super User to select a language pack and  
install or delete the the Official Language Pack.  
Estimated Time: 35 hrs.  
  
Test 14 - Super User Reports  
The system will maintain data to provide the following reports:  
expert roster, master administrator roster, and traffic reports.  
Estimated Time: 35 hrs.  
  
Test 15 - Language Pack Back-Up  
The system will provide a mechanism to back-up the database.  
Estimated Time: N/A - ODU personnel will do backups  
  
Test 16 - Teacher Roster  
The system will allow the Master Administrator to add, modify, or delete  
their Teacher roster.  
Estimated Time: 20 hrs.  
  
Test 17 - Expert Roster  
The system will allow the Master Administrator to add, modify, or delete  
their Expert roster.  
Estimated Time: 20 hrs.  
  
Test 18 Dictionary Administration  
The system will provide an interface to allow the Experts for a   
language to add, modify, or delete words in the dictionary.  
Estimated Time: 25 hrs.  
  
Test 19 - Submit Dictionary Request  
The system will allow users to e-mail dictionary related   
requests to the group of Experts assigned to a language.  
Estimated Time: 25 hrs.  
  
Test 20 - Master Administrator Reports  
The system will maintain data to provide the following reports:  
teacher roster and expert roster.  
Estimated Time: 35 hrs.  
  
Test 21 - Student Roster  
The system will allow Teachers to add, modify, or delete their  
Student roster.  
Estimated Time: 20 hrs.  
  
Test 22 - Teacher Reports  
The system will maintain data for the student grade report.  
Estimated Time: 20 hrs.  
  
Test 23 - Language Pack Selection  
The system will allow a Student to select or change the current  
language.  
Estimated Time: 20 hrs.  
  
Test 24 - Lesson  
The system will provide an interface to allow the Student to select   
from available lessons and work through the lesson.  
Estimated Time: 70 hrs.  
  
Test 25 - Quiz  
The system will provide an interface for the Student to select  
an available quiz, take the quiz, and display and store the result.  
Estimated Time: 50 hrs.  
  
Test 26 - Student Reports  
The system will maintain the data to provide Students with  
progress reports on quizzes they have taken.  
Estimated Time: 25 hrs.  
  
Test 27 - Browse Syllabary  
The system will provide an interface to allow the student to   
browse the syllabary for a chosen language.  
Estimated Time: 40 hrs.  
  
Test 28 - Browse Dictionary  
The system will provide an interface to allow the student to   
browse the dictionary for a chosen language.  
Estimated Time: 45 hrs.  
  
Test 29 - Dictionary Look-Up  
The system will provide an interface to allow the student to  
find a word in the current language.  
Estimated Time: 60 hrs.  
  
Test 30 User Interface  
The system will interact with the user through a collection of HTML   
Web pages.  Time will be allocated to familiarize teams with HTLM.  
Estimated Time: 40+??? hrs.  
  
Test 31 Common Gateway Interface  
The system will use CGI scripts to generate appropriate HTML.  Time  
will be allocated to familiarize teams with CGI protocols.  
Estimated Time: 40+??? hrs.  
  
Test 32 Inter-Process Database Communication  
The system will use PL/SQL embedded in C++ to communicate with   
the ORACLE database.  Time will be allocated to familiarize teams with  
embedded PL/SQL protocols.  
Estimated Time: 40+??? hrs.  
  
Test 33  Master Administrator Profile  
The system will store the log-in, password, name, address, e-mail, and  
language permissions for the Master Administrator.  
Estimated Time: 10 hrs.  
  
Test 34  Expert Profile  
The system will store the log-in, password, name, e-mail, and language  
permissions  
Estimated Time: 10 hrs.  
  
Test 35  Teacher Profile  
The system will store the log-in, password, name, e-mail, language  
permissions and their administrator.  
Estimated Time: 10 hrs.  
  
Test 36 Student Profile  
The system will store the log-in, password, name, grade-level, e-mail,  
language and lesson permissions, and grades.  
Estimated Time: 10 hrs.  
  
Test 37 Enhancement-WIKI Dictionary  
The system will maintain two separate dictionaries.  One will be the   
official dictionary of recognized words, and the second will be a WIKI  
dictionary generated by the Language Experts.  The WIKI would contain  
new words not contained in the official dictionary.  
Estimated Time: ???  
  
Test 38 Enhancement - Wiki Dictionary Administration  
The system will provide an interface to allow the Experts for a   
language to add, modify, or delete words in the Wiki dictionary. The   
system will also allow the Experts a way to promote words from the   
Wiki dictionary to the official dictionary.  
Estimated Time: ???  
  
Test 39 Enhancement - Teacher Curriculum  
The system will provide an interface to allow Teachers to create   
their own lessons and quizzes and make them available to their   
Students.  
Estimated Time: ???  
  
Test 40 Enhancement - Query Limiter  
The system will provide an interface, in the browse dictionary,  
which will allow the user to start to type in the word they are  
looking for and the number of dictionary entries show will be limited  
to only the words that start with the letter or letters typed by the   
user.  
Estimated Time: ???  
  
Test 41 Enhancement - Suggested Words  
The system will provide a user with optional words that are close to  
the spelling of the word they were looking up if they word they   
were looking fro was not found in the dictionary.  
Estimated Time: ???