

# Server Side Testing

Register students and Track their results

## EXAMPLES

- A training company wants to expand their web offerings. They need to **register students** and **track their test scores** for certification purposes.

- A hospital needs to assure that all their employees have been trained on the latest **government regulations**. They need a tool that will track students so they can confirm that employees have completed specified training.

- A marketing department wants to add **survey questions** to their web courses. They are looking for an economical way to track survey responses.

- A government agency needs to provide just-in-time training and certification. They want a tool that will let them **self register students**.

- A **school** would like to provide **online testing**. They need a tool that allows student registration and saving test scores.

- A course author wants to find out how well their **material is being retained** by the students. They need to evaluate how well test questions are written. They want a tool that provides every student's answer to each question.

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### Course Registration

Last/Family Name:

First/Personal Name:

(Optional) Phone Number:

Email Address:

Please verify that cookies are enabled in your browser.  
Server-Side Testing stores your User ID with your test results.

Click to continue.  
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### Olympics Trivia Test

Complete each question below. When you are done, click **Grade the Test** to register your results and receive your score.

1. You could attend only three of the following Olympic events, which would you choose?

A Swimming  
 B Track  
 C Climbing  
 D Closing Ceremonies  
 E Opening Ceremonies

2. Do you agree or disagree? The Olympics should only be held in Greece.

Strongly Disagree	Strongly Agree	No Opinion
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. The first Olympics was held in 776 B.C.

False  
 True

4. The next Summer Olympics will be held in:

A San Francisco  
 B St. Petersburg  
 C Athens  
 D New York

5. Within 0.5 seconds, what is the World Record for the Men's 100m race

6. A cross-country foot race of 26 miles, 385 yards is called a

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### Registered Students Report

Course: demo3  
2003-02-12 20:31:56  
[Course Results Report](#) [Raw Result Files](#)

Registered Students

student_id	last_name	first_name	reg_date_time	reg_ip	email_address	test_id	View Student Results
supp0000	support	test	2002-10-16 15:33:37	63.125-43.234	support@readygo.com		<input type="button" value="Select this student"/>
llist0000	Kline	Tim	2002-10-16 15:50:01	170.159-104.101	tkline@veriohealth.org		<input type="button" value="Select this student"/>
klaw0000	klaw	boy	2002-10-16 15:57:56	63.125-43.234	klaw		<input type="button" value="Select this student"/>
svr00000	test	test	2002-10-17 11:44:47	63.125-43.234	test@readygo.com		<input type="button" value="Select this student"/>
mmmd0000	mo	mo	2002-10-17 15:24:07	80.192.2.105	mo@moach.dk		<input type="button" value="Select this student"/>
ml000000	ml0w	kevin	2002-10-18 07:38:55	194.11.202.71	kevin.ml0w@ml0w.com		<input type="button" value="Select this student"/>
supp0001	support0	support	2002-10-18 12:40:04	63.125-43.234	readygo.com		<input type="button" value="Select this student"/>
mlw00000	Match	Payton	2002-10-18 13:36:46	24.190.0.219	match@readygo.com		<input type="button" value="Select this student"/>
supp0000	Stephane	May	2002-10-18 13:42:34	63.125-43.234	May@stephane@tool.com		<input type="button" value="Select this student"/>
payt0000	payton	match0	2002-10-18 14:13:10	24.190.0.219	match@readygo.com		<input type="button" value="Select this student"/>
msad0000	msad0f	eric	2002-10-18 14:52:41	12.4.193.228	eric@luteal.com		<input type="button" value="Select this student"/>
jean0000	jean	Lorraine	2002-10-19 18:46:16	194.65.14.76	jean.lorraine@mail.telnet.gi		<input type="button" value="Select this student"/>

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## What We See Happening

Management wants to increase their training programs to improve productivity and reduce costs. Internet technologies offer an efficient channel to do this. A tool is needed to support the registration and tracking of students taking training on the web.

## Our Solution

ReadyGo Server Side Testing provides an easy to implement and economical tool. ReadyGo Server Side Testing works with ReadyGo's authoring tool Web Course Builder, allowing student registration, tracking of test and survey questions, and creating certificates of completion.





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### What is Server Side Testing?

- Software that resides on a standard web server
- Works in conjunction with ReadyGo Web Course Builder
- Supports student registration
- Grades student tests
- Saves individual student test and survey answers every time a student submits them.
- Saves student survey results
- Includes online reporting capabilities that make it easy for trainers to track test scores and to view test progress by question, test, course, or student.

### Features of Server-Side grading and Storage

- Storage of just test scores or of scores plus all student answers.
- Option to pre-register students or allow students to self-register.
- Course authors can define up to 20 registration fields
- Option for password on student registration
- Option to include or exclude individual questions in the student's total score. (This might be used for a survey question.)
- Creation of student certificates after completing a test or course
- Track amount of time student is on a test page
- Course author can select a central student dataset to be shared between courses
- Randomization of test questions and answers
- Pooling of test questions and answers e.g. 10 out of 50 questions are displayed
- Ability to launch SST and register students from a URL
- Utility to make it easier to download student files from the server
- Anonymous surveys
- Test questions feedback by question or answer

### Server Requirements

- Web Server Software e.g. IIS, Apache - must support CGI
- NT, UNIX, Linux, Solaris

### Author Requirements

- ReadyGo Web Course Builder

### Student Requirements:

- The student must accept two cookies set by Server-Side Testing. Normally this is invisible to the student.
- The student must enable JavaScript in their browser.

### Registration Capabilities

- Students may self-register - No password is required. This option allows for storage of results from anyone taking a course.
- Students with a password may self-register - This option allows all students who have been given a password to register and take the course.
- Students must be pre-registered - Course author identifies students who may take the course and uses ReadyGo Web Course Builder to create a student list.
- The student identifier and password are stored as cookies on the student's browser.
- The course administrator can change the password at any time. All students need to re-enter the password if it has been changed.
- Student list may be shared among several courses

### SST Installation Requirements

- Requirements: A standard web server (IIS, Apache, etc.) that can run scripts/cgi executables.
- Executables: SST executables are approximately 250Kb. These are placed in the "scripts" or the "cgi-bin" folder depending on what web server is being using.
- Each WCB course will need approximately 100Kb for test configuration file storage.
- Course results files typically take another 100Kb files.
- Web server: ReadyGo provides executables for MS-Windows, Linux, Sun, and for Servlets (Java server). SST source code is provided for servers not covered by this list.
- WCB course content files typically run 2Kb per page + graphics. An average course will take 2-8MB in the web published area.