

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 ensure 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 and complete way to track survey responses.

- A **government** agency needs to provide just-in-time training and certification. Due to their large learner base they want a tool that will let students **self register**.

- A **school** would like to provide **online testing**. They need a tool that registers students and saves test scores on their internal server.

- A course author wants to find out how well a **student answers her material**. She needs to evaluate how well test questions are written. She wants a tool that provides every student's answer to each question.

1

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

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 Chicago
 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, 365 yards is called a

2

ReadyGo! Server-Side Testing Reports

Course: dmcc3
2004-03-08 13:09:20

| Student ID | Last Name | First Name | Reg. date | Score | Reg. # | email_address | View Student Results |
|------------|-----------|------------|------------------------|----------------|--------|---------------------------|----------------------|
| sh0000 | Test | Stefania | 2004-01-01 19:13:39 | 81.208.60.197 | | testnet@gmail.it | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| test0000 | testname | Forent | 2004-01-06 09:13:39 | 162.254.145.7 | | forent@tntus.state.tx.us | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| me0000 | mejer | eric | 2004-01-07 04:03:39 | 213.75.175.176 | | erica@rent.com | Select this student |
| wa0001 | Watson | Mark | 2004-01-07 09:08:39 | 152.121.36.65 | | mwatson@nterdy.uscg.mil | Select this student |
| fab0000 | Fabra | Randy | 2004-01-08 19:22:11 | 63.202.183.12 | | randu@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| fer0000 | Ferrera | Francis | 2004-01-12 06:45:56 | 212.113.154.90 | | f_ferrera@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| ama0000 | amara | maria | 2004-01-12 18:33:25 | 194.65.14.69 | | f_ferrera@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| me0000 | mejer | eric | 2004-01-07 04:03:39 | 213.75.175.176 | | erica@rent.com | Select this student |
| wa0001 | Watson | Mark | 2004-01-07 09:08:39 | 152.121.36.65 | | mwatson@nterdy.uscg.mil | Select this student |
| fab0000 | Fabra | Randy | 2004-01-08 19:22:11 | 63.202.183.12 | | randu@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| fer0000 | Ferrera | Francis | 2004-01-12 06:45:56 | 212.113.154.90 | | f_ferrera@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-06 23:13:39 | 64.169.90.171 | | test@rent.com | Select this student |
| ama0000 | amara | maria | 2004-01-12 18:33:25 | 194.65.14.69 | | f_ferrera@nterdy.uscg.mil | Select this student |
| test026 | Testing | test | 2004-01-12 11:35:16 | 141.45.4.243 | | wa@nterdy.uscg.mil | Select this student |

3

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. Organizations need a tool to support the registration and tracking of students taking training on the web.

Our Solution

ReadyGo Server Side Testing provides an easy and economical way to meet tracking and registration needs.

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. ReadyGo Server Side Testing includes web accessible management reports. Student information is saved in CSV files that you can easily import into the spread sheet or database of your choice.





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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 test and survey answers every time a student submits them.
- Saves survey responses
- 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 optional registration fields
- Option for password on student registration
- Include or exclude individual questions in the student's total score. (This might be used for a survey question.)
- Option to include or exclude individual tests. Optional tests can be used as a graded, not saved exercise.
- Creation of student certificates after completing a course, can choose which tests, or average grade of test for certificate generation.
- Tracks amount of time a student views a test page
- Course authors can select a central student dataset to be shared between courses, supporting cross course reports
- Randomization of test questions and answers (course wide or per test)
- 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 result files from the server and a macro to display and edit results file in Microsoft Excel
- Anonymous surveys
- Test questions feedback by question or answer

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 or a spread sheet to create a student list.
- 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

Server Requirements

- Standard web server software e.g. IIS, Apache - that supports CGI, ISP account with CGI support
- NT, UNIX, Linux, Solaris
- Java Servlet for any operating system

Author Requirements

- ReadyGo Web Course Builder

Student Requirements:

- Acceptance of two cookies, normally this is invisible to the student.
- JavaScript enable in the students browser.

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 review and customization.
- WCB course content files typically run 2Kb per page + graphics. An average course will take 2-8MB in the web published area.