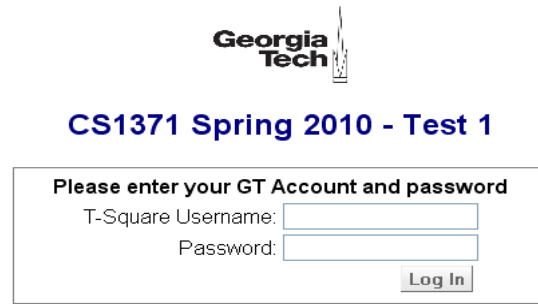


## **CS1371 E-Test Introduction and Tutorial**

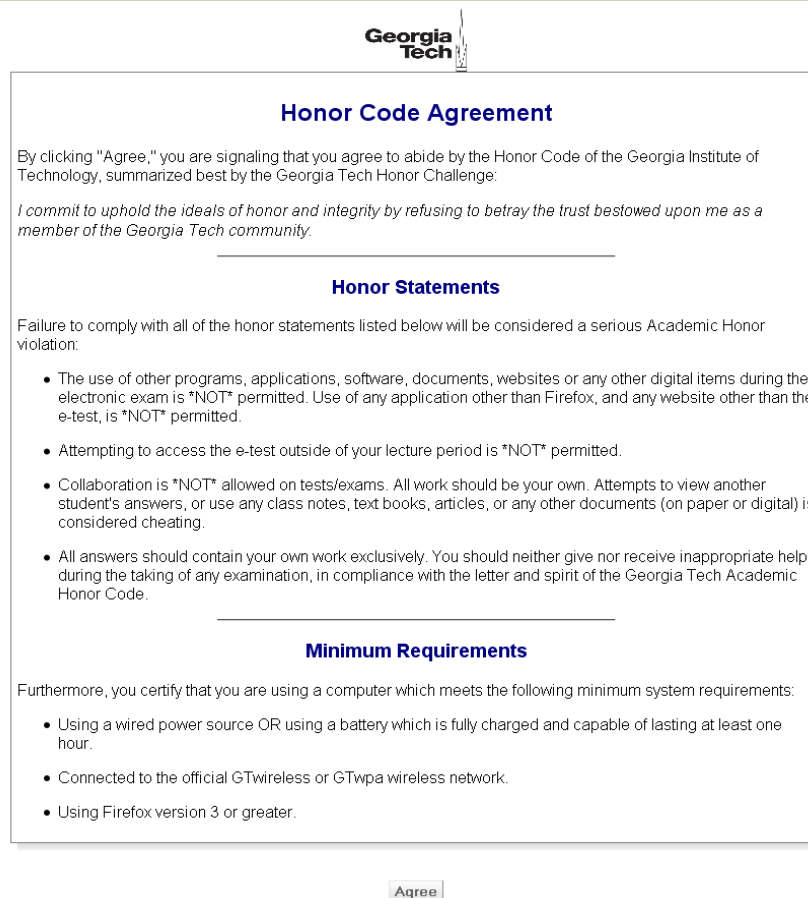
At the beginning of the test period, you will be given a web address (URL) which will take you to the E-Test site. The first screen will allow you to login with your T-Square username and password. It looks like Figure 1.



The login screen features the Georgia Tech logo at the top. Below it, the title "CS1371 Spring 2010 - Test 1" is displayed in blue. A central box contains the prompt "Please enter your GT Account and password". Inside this box, there are two input fields: "T-Square Username:" and "Password:". To the right of the password field is a "Log In" button.

Figure 1. E-Test login screen

Once logged in, you will be brought to the various honor statements and minimum requirements for taking the test. See Figure 2. After reading these over, click "Agree" to continue to the practice test.



The honor statement page features the Georgia Tech logo at the top. The main heading is "Honor Code Agreement". Below this, a paragraph states: "By clicking 'Agree,' you are signaling that you agree to abide by the Honor Code of the Georgia Institute of Technology, summarized best by the Georgia Tech Honor Challenge: *I commit to uphold the ideals of honor and integrity by refusing to betray the trust bestowed upon me as a member of the Georgia Tech community.*".

Below this is a section titled "Honor Statements". It begins with the text: "Failure to comply with all of the honor statements listed below will be considered a serious Academic Honor violation:". This is followed by a bulleted list of four statements:

- The use of other programs, applications, software, documents, websites or any other digital items during the electronic exam is "NOT" permitted. Use of any application other than Firefox, and any website other than the e-test, is "NOT" permitted.
- Attempting to access the e-test outside of your lecture period is "NOT" permitted.
- Collaboration is "NOT" allowed on tests/exams. All work should be your own. Attempts to view another student's answers, or use any class notes, text books, articles, or any other documents (on paper or digital) is considered cheating.
- All answers should contain your own work exclusively. You should neither give nor receive inappropriate help during the taking of any examination, in compliance with the letter and spirit of the Georgia Tech Academic Honor Code.

Below this is a section titled "Minimum Requirements". It begins with the text: "Furthermore, you certify that you are using a computer which meets the following minimum system requirements:". This is followed by a bulleted list of three requirements:

- Using a wired power source OR using a battery which is fully charged and capable of lasting at least one hour.
- Connected to the official GTwireless or GTwpa wireless network.
- Using Firefox version 3 or greater.

At the bottom of the page is an "Agree" button.


Figure 2. E-Test Honor Statement

Before each test, you will be given the option to take a practice test. The practice test is optional, but highly recommended because it helps you understand the E-Test interface, which is essential to performing well on the exam. (Note: You may ignore bullet #4)

<p><b>Question</b></p> <p><b>Navigation</b></p> <p>P1</p> <p>P2</p> <p>P3</p>	<p style="text-align: center;"><b>Practice Test</b></p> <p>Before we begin, we will first run through the basics of this electronic test. Below are a few sample questions. Please answer them as instructed. Once you get a green arrow next to each problem, you may continue on to the real exam.</p> <p style="text-align: center;"><b>Notes about the E-Test</b></p> <ul style="list-style-type: none"> <li>• You will be given the normal allotted time to complete this exam.</li> <li>• Your test is different from your neighbor's.</li> <li>• Your progress is saved along the way. So if there is some sort of technical malfunction, you can pick up where you left off on another computer.</li> <li>• Your CD will not work outside of the scheduled testing time. Please return it at the end of the test.</li> <li>• Feel free to jump around to different questions. Just make sure to save your answer changes before moving to a different question.</li> <li>• Questions to which you have saved an answer will become shaded in the navigation bar on the left-hand side of page.</li> <li>• If at any time you are confused or get an error, raise your hand for TA assistance.</li> </ul> <p style="text-align: center;"><a href="#">Begin Practice Test</a></p>
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Figure 3. Practice Test notes

The practice test will contain 3 of the E-Test's question types. Note that these will look slightly different on the test portion (see the later section). As seen in Figure 4, the second screen you will be brought to after beginning the practice test. Select the answer to the first question. This question type is Multiple Choice. Select the answer you feel is best. The little green check mark is only on the practice test, and will **not** be on the real test. After selecting the best answer, **make sure to hit Save Answer or your work will be lost.**

<p><b>Question</b></p> <p><b>Navigation</b></p> <p>P1</p> <p>P2</p> <p>P3</p>	<p><b>Multiple Choice</b></p> <p>Practice 1. Which of the following is an even number?</p> <p><input type="radio"/> A. 27</p> <p><input type="radio"/> B. 13</p> <p><input type="radio"/> C. 81</p> <p><input checked="" type="radio"/> D. 16</p> <p><input type="radio"/> E. 11</p> <p><a href="#">Save Question</a> </p>
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<p><b>Question</b></p> <p><b>Navigation</b></p> <p>P1</p> <p>P2</p> <p>P3</p>	<p><b>Multiple Choice</b></p> <p>Practice 1. Which of the following is an even number?</p> <p><input type="radio"/> A. 27</p> <p><input type="radio"/> B. 13</p> <p><input type="radio"/> C. 81</p> <p><input type="radio"/> D. 16</p> <p><input type="radio"/> E. 11</p> <p><a href="#">Save Question</a> </p>
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Figure 4. Multiple Choice Question Type on practice test

## Question Fill in the Blank

Navigation Given:

P1

P2

P3

```
var1 = 47;  
var2 = [4,7,13,-6];  
var3 = 'yellow jackets';
```

What are the values of the following variables?

Enter the values as you would in MATLAB. Vectors need brackets and strings need single quotes.

Note: The green check or red X will not appear on the actual test.

var1  ✓  
var2  ✗  
var3  ✓

Save Answer

Figure 5. Fill-in-the-blank Question Type on the practice test

As seen in Figure 5, the second question type is a fill-in-the-blank/tracing question. *Generally speaking*, some lines of code or a function will be given, and you will be asked to give what the values of the variables are. For this section, as you will see when we discuss this for the actual test, it is particularly important to pay attention to formatting. The answers must be entered like they would be in MATLAB. That is, vectors should be enclosed in square brackets, strings should be enclosed in single quotes, and logical values should be shown as [true false true] rather than [1 0 1]. The latter is a double. For some, you may need to say that it returns an error, in which case you should type Error. If the formatting is wrong, you will receive zero credit on the question. Questions of this type have 5 parts that are graded independently of each other.

## Question Free Response / Coding

Navigation Write something in the box. We're not saving this answer, so feel free to use it to vent because the test will begin after this!

P1

P2

P3

5

✓

Save Answer

Figure 6. Free Response/Coding question type

The final question type you may see on the E-Test is of a free response/coding nature. It allows you to type text (as if you were typing code in MATLAB). This will *generally* be used for coding problems.

After the practice test, you will be sent to a loading screen. Once the Senior Teaching Assistant (STA) or professor decides to start the exam, the test will begin. At the ending time specified by the professor, the E-Test will automatically log you out of the exam. **Any unsaved answers will be deleted.**

Although we have discussed the question types earlier in this document, it is important to point out some helpful differences between the practice test and the real test.

First, as seen in Figure 7, the interface will show the question number you are currently working on, a list of all the questions and their respective point values, and a finish button. The question you are currently working on will be shaded.

Let's explore the fill-in-the-blank question type one more time. Notice for the question in Figure 7, although I have entered answers in each box, I still see a warning to remind me to save my answer. Although you may have entered something, **your answer is unsaved and will not be graded unless you hit the Save Answer button.** Also notice how the different variable values were entered. There are square brackets around the vectors, single quotes around the strings, and the logical values are entered as true/false values, rather than 1/0 values (which are doubles).

Question

2

Navigation

1 - 3pts

2 - 10pts


3 - 10pts

Finish

Given:

A = 2  
B = [1, 2, 3, 4]  
C = 'MATLAB'  
D = [true false true true]  
E = B > 2

What are the values of the following variables? Enter the values like you would enter them in MATLAB, i.e. if the answer is a vector, it should be enclosed in square brackets, or if the answer is a logical value, it should be true or false, rather than 0 or 1, and if the answer is a string, it should be enclosed in single quotes. If the line causes an error, type Error.

 **Warning:** Your changes to your answer have not yet been saved. Click Save Answer to save it.

A :

B :

C :

D :

E :





Figure 7. E-Test question unsaved

4

After you click the Save Answer button, your question will look similar to Figure 8. This will indicate that what you have entered has been saved by the E-Test. You may continue working on this problem or move to another.

**Question**  
**2**  
**Navigation**  
[1 - 3pts](#)  
**[2 - 10pts](#)**  
[3 - 10pts](#)  
[Finish](#)

**Given:**  
A = 2  
B = [1, 2, 3, 4]  
C = 'MATLAB'  
D = [true false true true]  
E = B > 2  
  
What are the values of the following variables? Enter the values like you would enter them in MATLAB, i.e. if the answer is a vector, it should be enclosed in square brackets, or if the answer is a logical value, it should be true or false, rather than 0 or 1, and if the answer is a string, it should be enclosed in single quotes. If the line causes an error, type Error.  
  

 You have successfully saved an answer to this question.  
If you make changes, be sure to save your new answer.


  
A:   
B:   
C:   
D:   
E:   
  
[Save Answer](#) 

Figure 8. E-Test question saved

Once you have completed your exam and have saved all your answers, you are ready to submit your test. You can click the Finish button on the left hand side and agree that you have finished your exam. You will be brought to the screen in Figure 9. This will be a sign you have submitted successfully. You may now shut down your computer and follow the directions of the TAs and professor present for checking out of the testing environment.

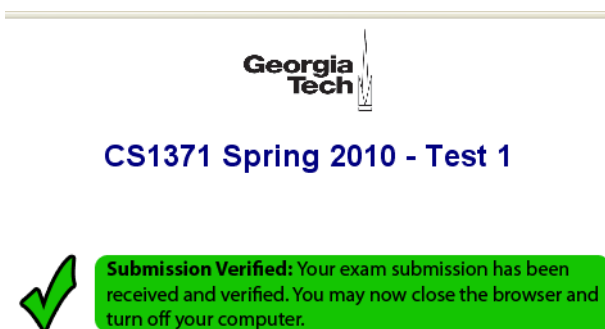


Figure 9. E-Test submission screen