

Fishbane/Gasiorowicz/Thornton
Physics for Scientists and
Engineers 3/e
PH GradeAssist online homework
system



DEMO: <http://www.prenhall.com/phga>
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KEY Q&A

SHOW THIS PRODUCT IF YOUR PROFESSOR IS INTERESTED IN:

- ✓ An online homework system that provides practice problems for students and stores the results in a gradebook
- ✓ One location for all of their assignments including practice assignments, homework assignments, quizzes, and tests
- ✓ Saving time by automating the process of grading homework, quizzes, and tests.

WHAT MARKET NEED(S) DOES THIS PRODUCT ADDRESS?

Many instructors like a graded online homework system that gives students ample practice and stores the results in a gradebook. In many cases, this is all that many courses need, rather than a full-bore course management system like OneKey.

WHO IS IT FOR?

Qualify your instructors carefully. An online homework system does not support messaging, chat groups, document posting or drop boxes, like OneKey would. But many instructors really only want an online homework system. This is not a system that student can use without instructor involvement, though a professor can post an ungraded practice assignment.

HOW IS IT DISTRIBUTED?

Student and instructor access codes are warehoused. This is a completely online system. Reps can demonstrate PHGA by using their u42 login and password. Instructors should be provided with their own access code which includes a QuickStart Guide. The ISBN for Instructor Access Codes for Fishbane, Physics for Scientists and Engineers (Ch. 1-40) 3/e PHGA is 0-13-141740-1.

HOW TO DEMO THE PRODUCT

(NOTE: USE ONLY PHGA NAVIGATION BUTTONS. USING THE FORWARD AND BACK BUTTONS IN YOUR BROWSER WILL CAUSE THE PROGRAM TO MALFUNCTION)

Getting Started

1. Begin by going to <http://www.prenhall.com/phga>.
2. Click on **Physics** and then click **Instructor Login** in the Instructor column under 'Ready to Use PHGA'. This will take you to the **PHGA Registration/Login** page.
3. Enter your **u42 username and password** in the step 2 window. Scroll down to step 3, verify that 'Create New Class' is checked off, and click **OK**. You are now in the PHGA Instructor Class Setup page.
4. Your name and school should appear on the right side of the screen. Select **Fishbane, Physics for Scientists and Engineers 3e** from the pulldown menu and enter the **Class Name**. You also need to enter a **Class ID** that will become the URL for your course. Note that the blue window on the left contains helpful hints for naming your PHGA class and ID.
5. Click **OK** to finish setting up your course.

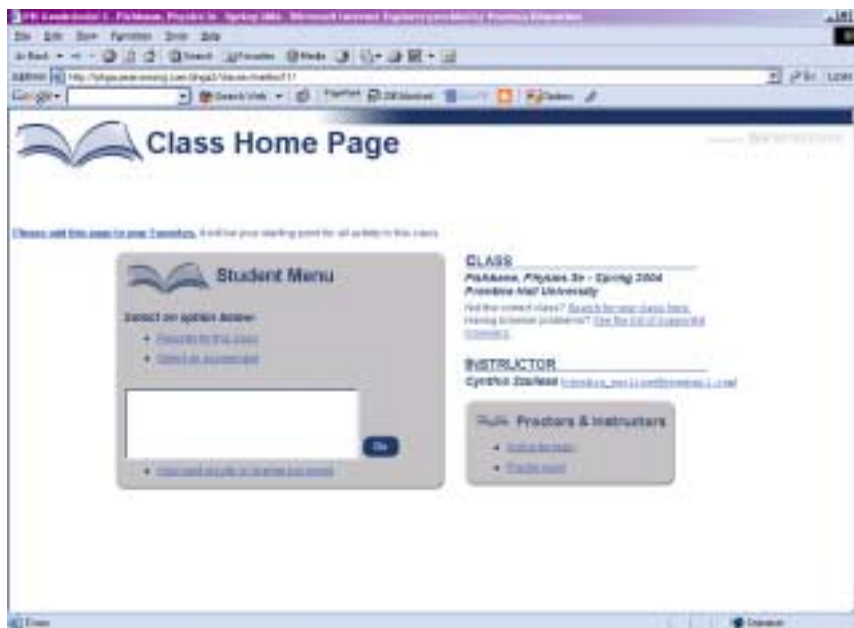
NOTE: This is a *one-time* registration process. After you setup your course, you will not have to register again for **Fishbane, Physics for Scientists and Engineers 3e**. However, if your professor wishes to see how the registration process works, walk them through the simple process using an instructor access code and their information.

6. The system has now registered your new course and the class homepage for PH GradeAssist appears. **Make sure to bookmark the URL for your course immediately so you can easily go back to it.**

NOTE: This walkthru highlights **just** a small select group of features for PH Grade Assist. For a more complete demo of the system's complete capabilities, please contact your Prentice Hall representative.

INSTRUCTOR VIEW

Instructors and students login to their PHGA course from the Class Homepage.



WHAT TO DO:

Click on the **Instructor Login** button and enter your password (this is the password you selected when you registered for this course thru SMS). You are now in the main Instructor Menu (**NOT SHOWN**). Click **Assignment Editor**. This is where instructors spend most of their time when using PHGA.

Q

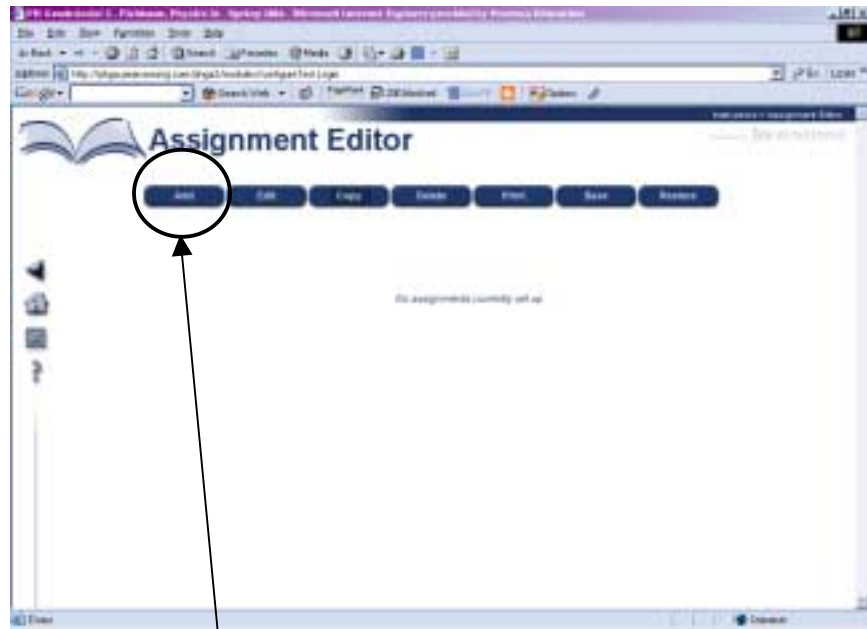
Would you like to easily create and grade assignments using text-specific questions you trust?

A

You are now in the initial page of the assignment editor. You can:

- add new assignments
- edit existing ones.

Let's add an assignment.



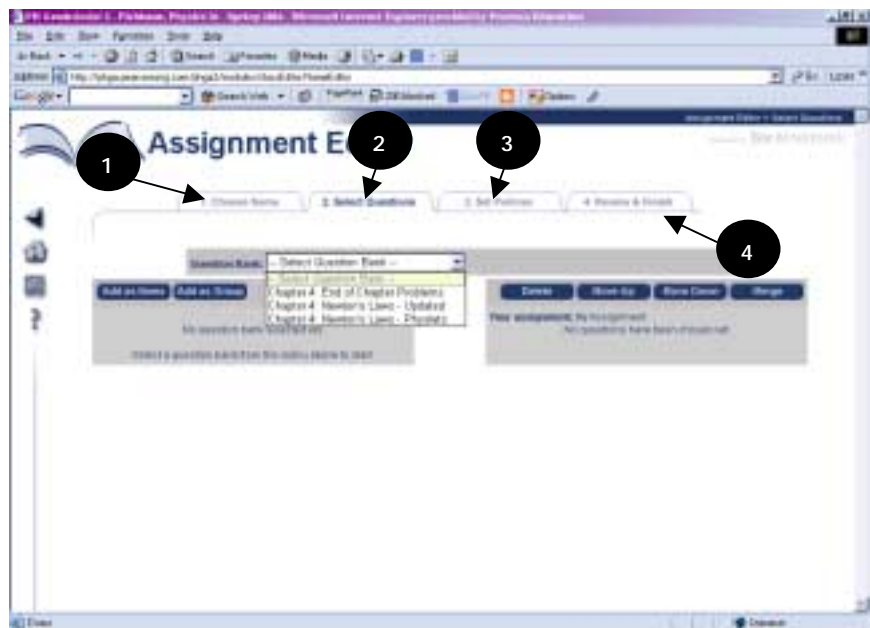
WHAT TO DO:

Click the **Add** button to create a new assignment.

A

An assignment can be created using 4 easy steps:

1. Naming the assignment
2. Selecting the questions
3. Setting the Policies
4. Reviewing and Finishing



WHAT TO DO:

Click the **Choose Name** tab and type “My Assignment”. Click the **Select Questions** tab. Here is where you will select the appropriate question bank for your questions. All questions are book-specific. Each chapter has self-study problems, end-of-the-chapter problems, and Physlet® problems. Select **Ch 4 Newton's Laws - Updated** (this is from chapter 4 of the Fishbane 3/e Companion Website as well as Just-In-Time-Teaching problems and ranking task problems) from the testbank dropdown menu. **Please note: only chapter 4 is available right now.**

WHAT TO DO:

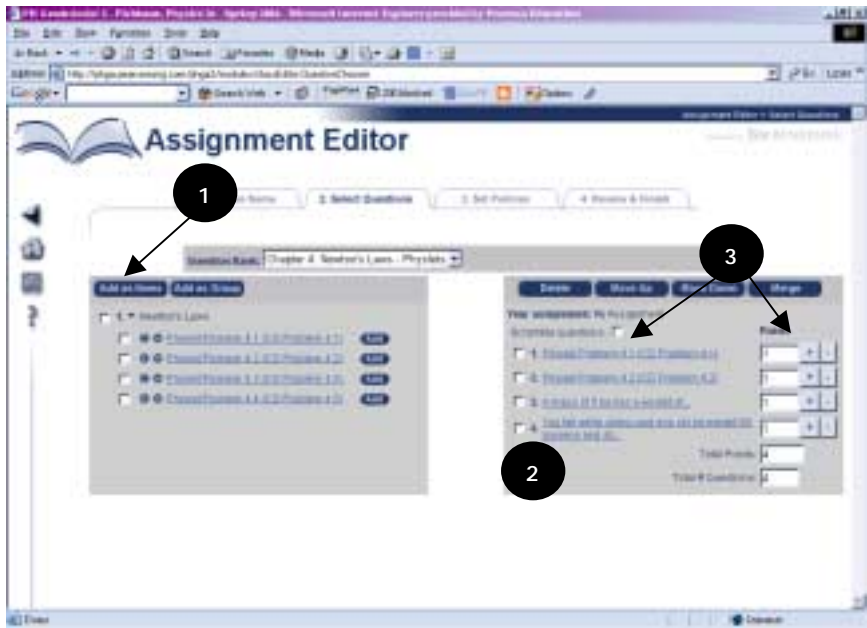
Sections available with questions will appear on the left. Click on the **right pointing arrow** next to *Newton's Laws* to expand and view the questions.

Select the questions for your assignment by checking the box next to those exercises you wish to include (to view a question, simply click on it). For this demo, select the first two questions. Click the **Add as Items** button to move the selected exercises to your assignment. Return to the testbank drop down menu and click on **Ch 4 – Newton's Laws – Physlets**. Select the first two questions, then click the **Add as Items** button.

A

Notice:

1. questions are from the textbook and the book's Companion Website. Many are algorithmic (A).
2. The questions you've chosen now appear on the right. This is the assignment you are building.
3. Once questions are added to your assignment you, can easily scramble, change the order, and/or change the point value of each question.



WHAT TO DO:

Click on the drop down menu and select the **Ch 4 End of Chapter Problems**. Click on the **right pointing arrow** next to *Newton's Laws* to expand and view the questions. Select the first two problems and click the **Add as Items** button to add to your assignment. Make sure to select some questions with an (A) next to them as they are algorithmically generated. Click **Set Policies** tab.

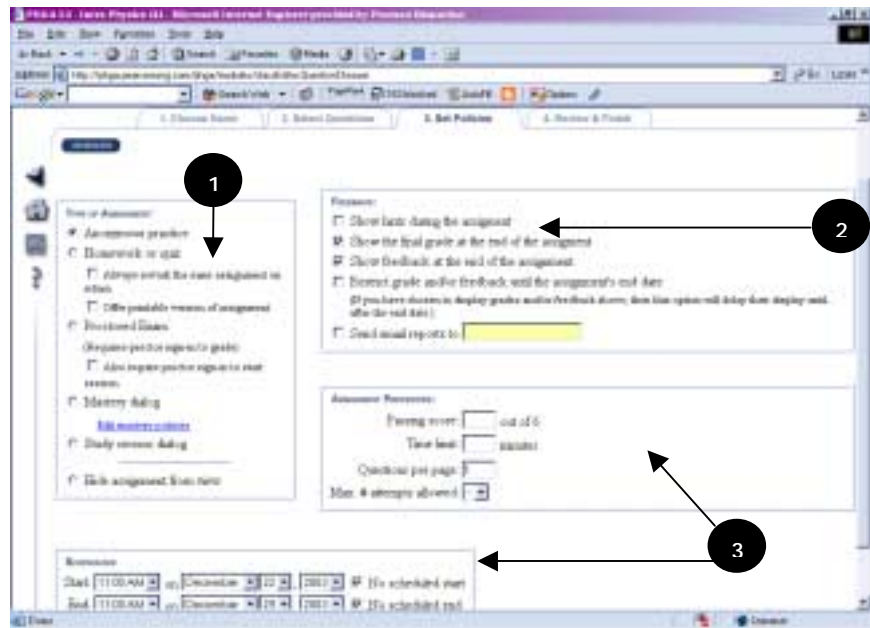
Q

Would you like to have the ability to customize your assignment, set parameters, and review your newly created assignment before you save your changes?

A

In the Set Policies tab:

1. Multiple assignment types can be created at the click of a button
2. Professor can control feedback and when a student sees it
3. Professors can set parameters in assignments.

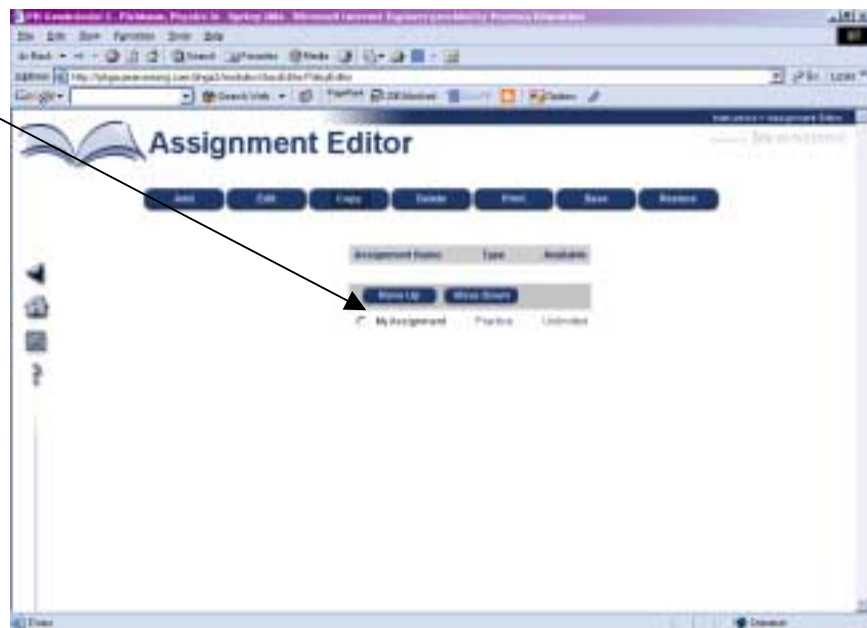


WHAT TO DO:

Under *Type of Assignment*, click on **Anonymous Practice**. This will allow you to take the assignment as a student without entering a login name and password. Click the **Review & Finish** tab. On the next screen, click **Finish**.

A

Note the availability of your newly created assignment. You are now back at the Assignment Editor page.



WHAT TO DO:

Click the **Home** icon to return to the main instructor menu (not shown). From the main instructor menu, click **Question Bank Editor**.

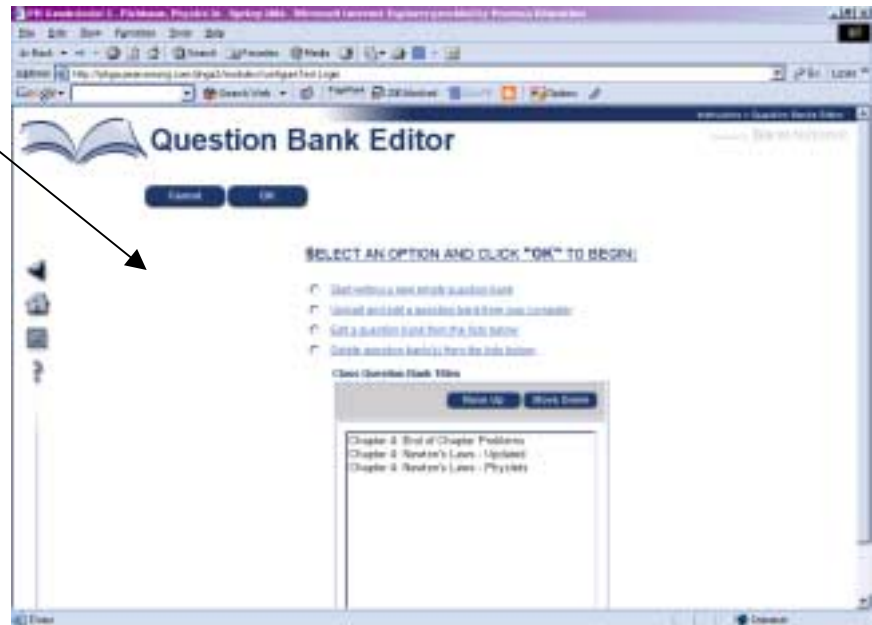
Q

In addition to the provided text-specific question banks, would you like to add your own favorite questions?

A

The Question Bank Editor allows the professor to:

- Edit an existing testbank
- Create a new testbank (write your own questions)
- Upload an existing testbank



WHAT TO DO:

Click the **Home** icon to return to the main instructor menu (not shown).
Select **Gradebook**.



Would you like to automate the process of grading homework?

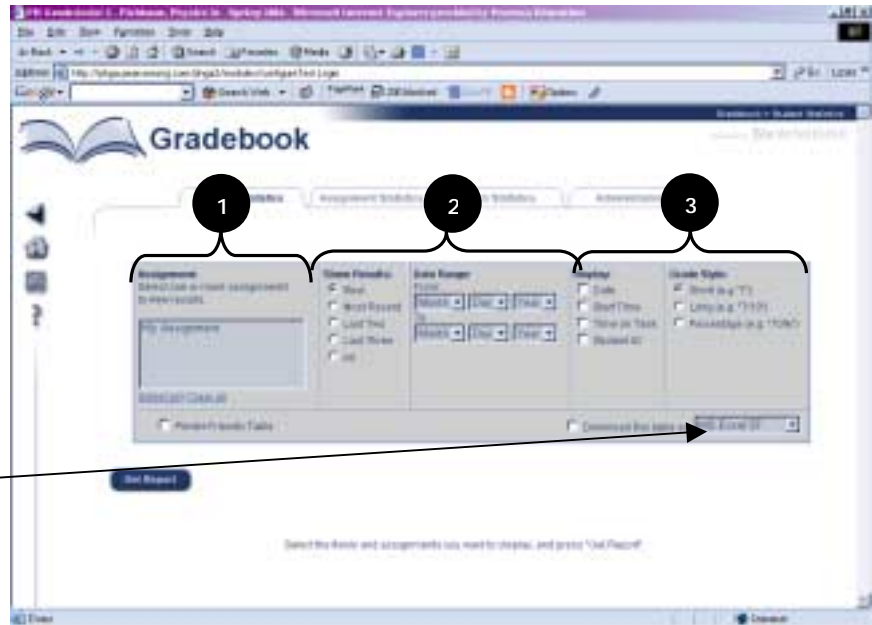


The system automatically grades homework and puts the results in a gradebook.

Instructors can

1. Select assignments to see grades
2. Select parameters of what information they wish to view
3. Choose the format of how they wish to see it

NOTE: Gradebook results can be exported in spreadsheet format.



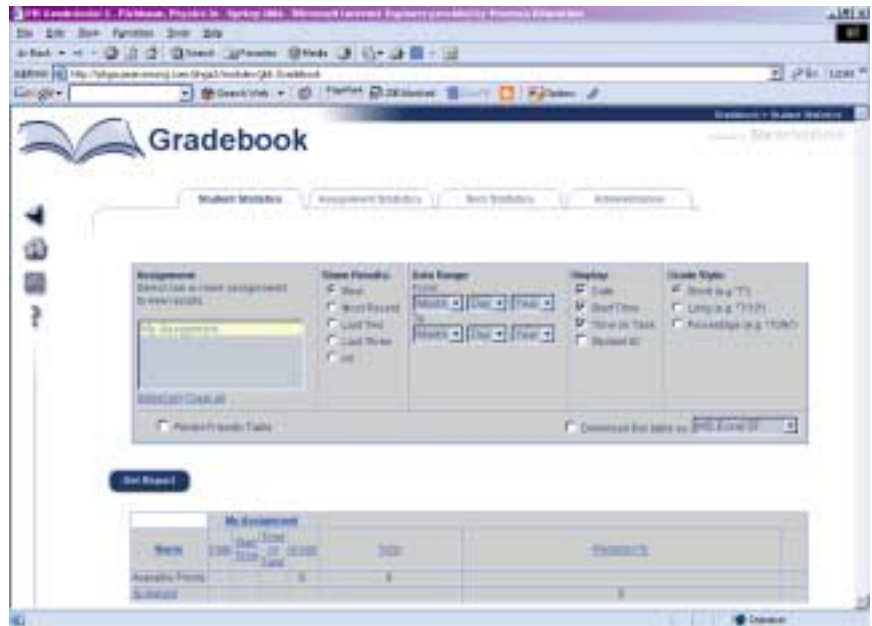
WHAT TO DO:

Select *My Assignment*. Under “Display”, check *Date*, *Start Time*, and *Time on Task* and click **Get Report**.



View entire class roster performance or select a specific student to get further details.

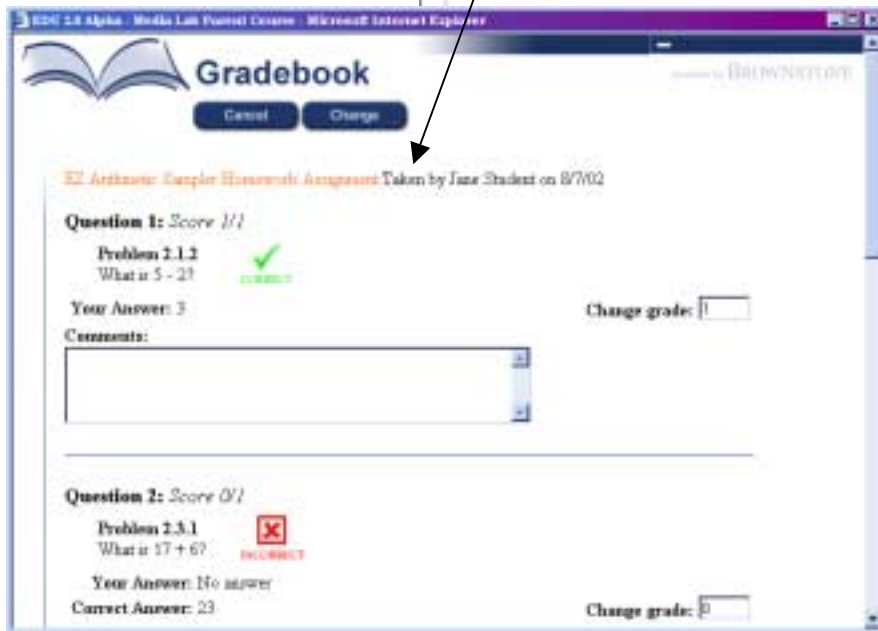
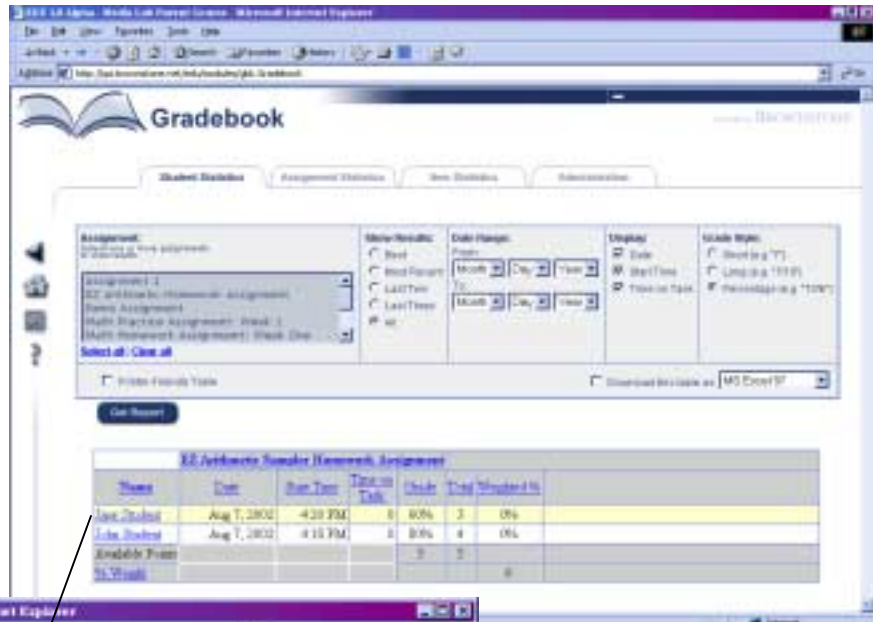
NOTE: As no students have taken this assignment, individual students do not appear. Students would appear under the Name column. You would select any individual student from that list to get details on that student.



NOTE: The following screenshots are examples of what you would see if there were students in the gradebook.

A

If there were students in the gradebook, you could view individual answers from any student assignment at any point in the semester including algorithmic questions. Review student performance and alter grades from this screen.



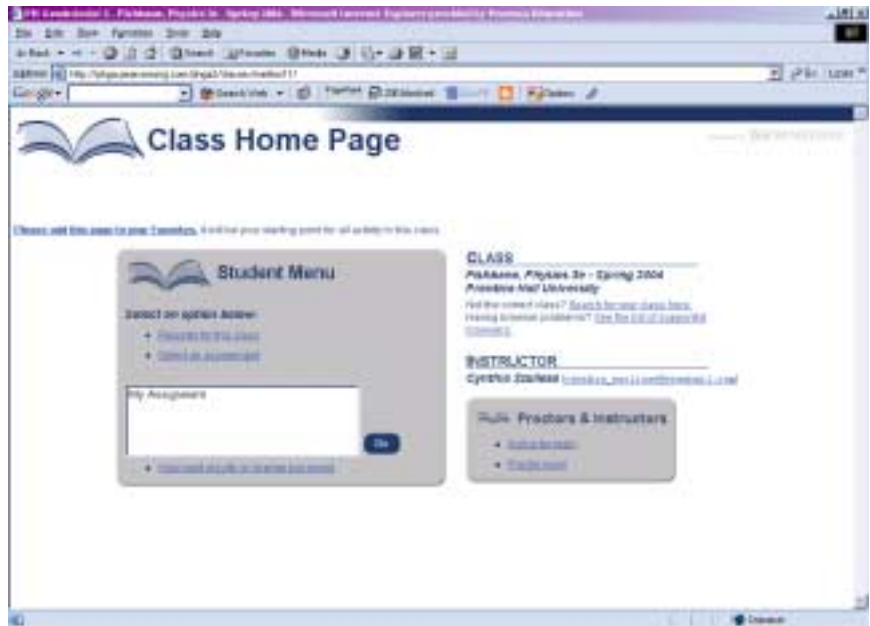
WHAT TO DO:

Click the **Home** icon to return to the main page. Hit the “**X**” icon to exit the instructor’s portion of the site. Click on the **OK** button to go back to the class homepage.

STUDENT VIEW

WHAT TO DO:

Exit the Instructor side and show the student view of the assignment that you have just created. Click on the **X** icon on the left hand side of the window to exit the session. Click the **OK** button to get to the class homepage.



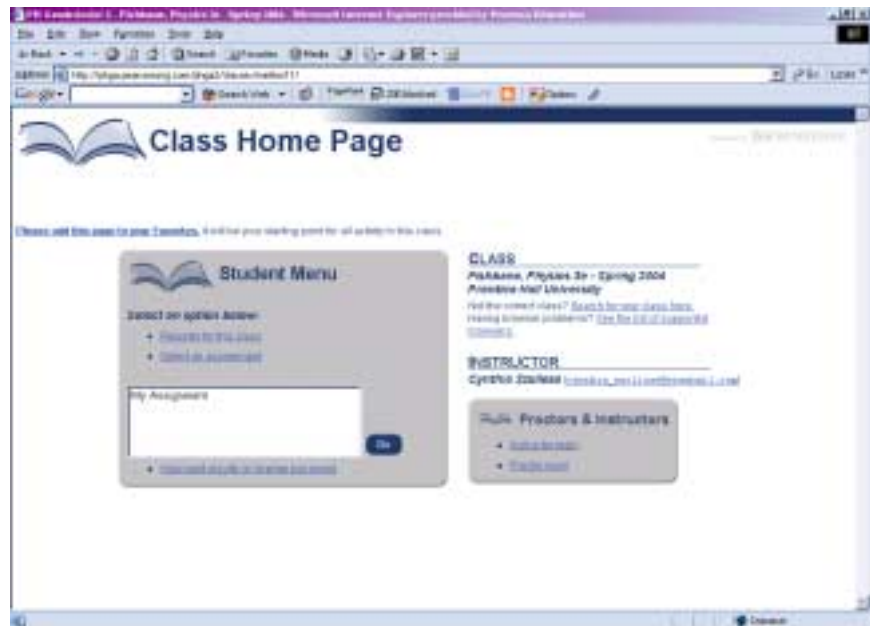
Q

Do you want to have one location for all of your assignments, from practice to homework to quizzes and tests?

A

From Class Homepage:

- Students access instructor created assignments including:
 - practice (no password required)
 - homework (password required) assignments.



WHAT TO DO:

Click on *My Assignment* from the student menu and click **Go**. On the following screen, click **Enter**.

Q

Do you want the ability to assign multiple question types including free response?

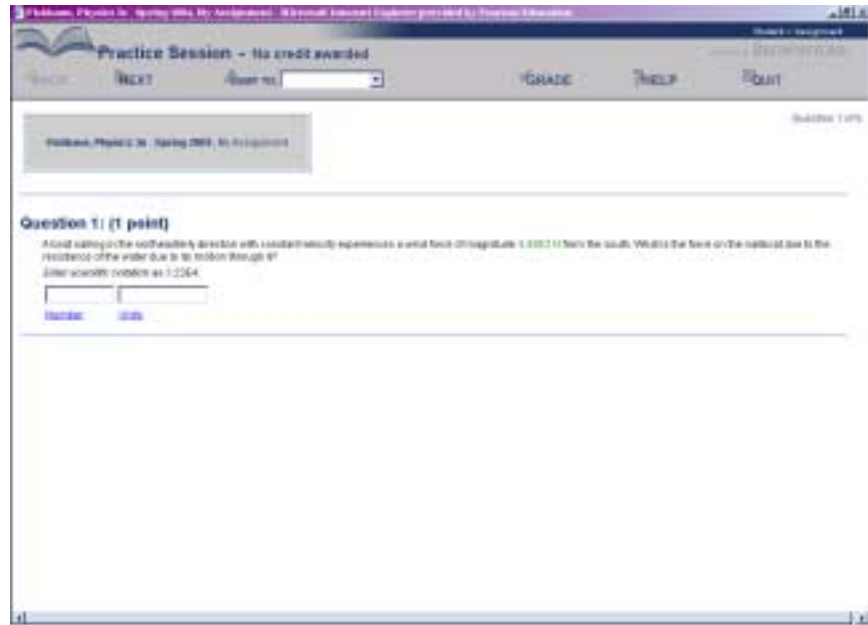
A

PH GradeAssist supports more than 10 question types including:

- multiple choice
- true/false
- fill in blank
- essay (not graded)
- multipart
- interactive applets

AND...

- FREE RESPONSE like this one



Q

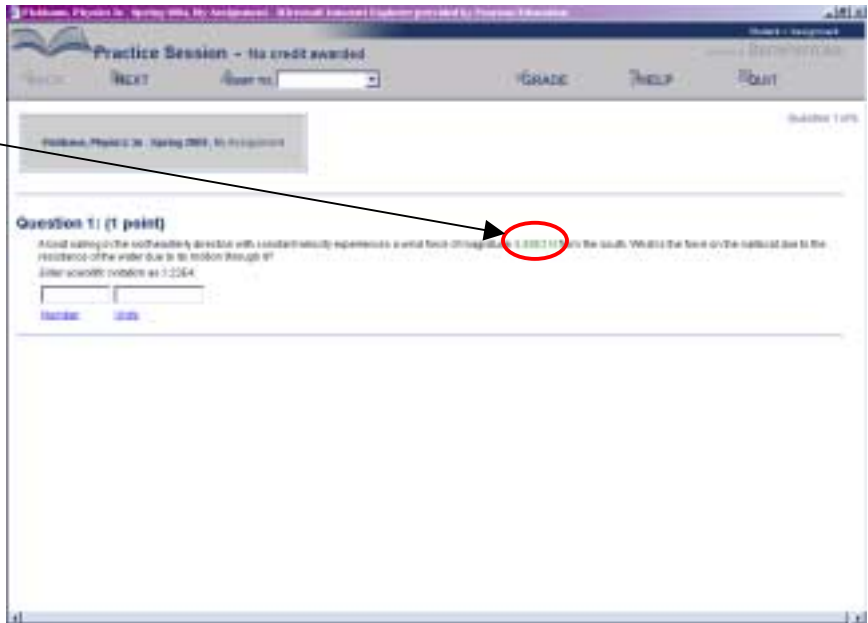
Would you like the system to have the ability to generate random variables within questions?

A

This question could be algorithmic (different values each time the question is presented), providing:

1. nearly unlimited questions
2. a way to discourage student cheating.

Students are given guidance on how to correctly type in their answer.



WHAT TO DO:

Type an answer and click the **Next** button.



WHAT TO DO:

Select an answer and click the **Grade** button. On the next screen, click **Grade** again. **NOTE:** We have only completed two questions in the assignment for demo purposes. Students would complete all questions in the assignments. Notice that the system warns the student that not all of the questions have been answered.

Q

Would you like your students to get instant feedback on their performance?

A

This screen gives students an overview of their performance...



WHAT TO DO:

Click **View Details**.

A

...and students receive specific feedback on each question. Notice that students can print out the results as well.



WHAT TO DO:

Click the **Quit** button to return to the class homepage.

I've only shown you a small bit of the capabilities of PH Grade Assist. If you are interested in learning more about what we've seen, or if you would like to learn about some of the more advanced features, such as:

- Writing your own questions
- Question types supported by PH Grade Assist
- Local vs. National Hosting options
- Much More

You may also want to ask about our enhanced training & support programs – once you adopt PH Grade Assist, we are committed to helping you make it a success.

Please contact your local Prentice Hall sales representative. (PH Sales Reps: Contact your sales director for those interested in learning about these advanced features.)