

Developing QuestionSets for Blackboard

Install Algogen on your computer: As long as you already have *Microsoft Office* with *Word* and an *Excel* version that has the “Analysis ToolPak” add-in, then this installation has all additional files that *Algogen* needs. To install *Algogen*, including the testbank for title *Elements of Finance*, download from

<http://elementsoffinance.net/Algogen.zip>

Then carefully follow the installation instructions found near the top of this help document.

PART 1: Create a Self-Test for an existing question

Suppose that you want to create a Self-Test with 100 alternates of one question that students can practice over and over in Blackboard. You examine the textbook and decide to make a self-test for question code **FF31**.

STEP 1 Launch *Algogen*. Select and add question **FF31** to the list > click **Make the document** > type a filename for an intermediate document, e.g. **trash** > click **Advanced Settings** and select **Make a questionset.rtf = Yes** > **Save settings** > enter **100** in order to make 100 alternates, don't print > let the job finish > **Quit Algogen**.

STEP 2 Inspect **FF31_100.rtf** in *Word* for question integrity. Make sure that no questions would need to be thrown out of a quiz.

STEP 3 Launch *Respondus*., a third party software often licensed to clients using Blackboard. Click **Import** > type = *.rtf > **Browse** > select **FF31_100.rtf** > Create a new document with name = **FF31** > **Preview** > **Finish**.

STEP 4 Click the **Publish** tab > **Publish** > set **Self-Test = True**, Name = **FF31**, select the course > **Publish**.

STEP 5 In Blackboard > **Build** > **Assessments** > integrate the self-test into your course.

PART 2: Create an online quiz or exam with existing testbank questions

Suppose that you want to create a 4 question quiz that students can take in Blackboard. You examine the textbook and decide to tell the students that their quiz includes these 4 questions from the book *Elements of Finance*: **FF31**, **TR34**, **BS26**, and **BS36**.

STEP 1 Follow steps 1 and 2 from the preceding Part to make the four files **FF31_100.rtf**, **TR34_100.rtf**, **BS26_100.rtf**, and **BS36_100.rtf**.

STEP 2 Launch *Respondus*. Click **Import** > type = *.rtf > **Browse** > select **FF31_100.rtf** > Create a new document with name = **Quiz 1** > **Preview** > **Finish** > click the **Start** tab > **Import** > type = *.rtf > **Browse** > select **TR34_100.rtf** > **Append to Quiz 1** > **Preview** > **Finish** > continue to **Import** and **Append** questions **BS26** and **BS36**.

STEP 3 Click the **Settings** tab > **Question sets** > now set **First row = 1, Last row = 100**, Randomly select **1** from the question set for the quiz, **Points = 25 > Add**. Repeat for **TR34** in rows **101** to **200**, **BS26** in rows **201** to **300**, and **BS36** in rows **301** to **400**. Each view of the quiz randomly pulls 4 out of 400 questions. Students sitting side by side gain no advantage viewing neighboring computers. Similarly, allowing multiple attempt quizzes is feasible since the next view of the quiz will be unique from the previous view.

STEP 4 **Publish** the quiz to Blackboard. See steps 4 and 5 Part 1 above.