



Elsevier's Assessment Builder Best Practices



Understanding Elsevier's Assessment Builder

Elsevier's Assessment Builder (EAB) is a test item writing tool that makes it easier to write all 15 Next Generation NCLEX (NGN) item types by providing tutorials, templates, and a test item bank for faculty.

Tools Within EAB

NGN item templates walk you through writing all 15 new NGN item types including Bowtie and Trend standalone case studies, the 13 item types for Unfolding case studies, as well as standard NCLEX test items. Templates assist faculty in following NGN test item requirements to help ensure validity of the items.

NGN item bank includes Unfolding case study, Trend and Bowtie standalone case study test items for a total of over 100 questions split across RN and PN. Faculty can edit NGN item types, and both the original item and the edited item will be saved.

My Course Plan allows you to set up folders that contain assignments.

Add Resources enables you to:

- Create and edit test items
- Assemble and assign assessments

Tutorials and Examples provide guidance on writing NGN items. Links to webinars and an NGN test item writing guide assist you in learning NGN item writing.

Performance data provide faculty with overall scores based on student and class performance and for each cognitive process of the National Council of State Boards of Nursing-Clinical Judgment Measurement Model (NCJMM).

Writing NGN Item Types Using a Template

- When writing a test item, required information includes the following:
 - Case study title
 - Patient data tabs
 - Question type selection from the drop down (unfolding case and trend only)
 - You will receive a popup box verifying whether your question type selection is optimal, acceptable, or should not be used for the chosen NCJMM skill)
 - Lead in information
 - Assessment instructions
 - Assessment item
 - Rationale

»»» **Key Point:** Be thorough to help your students understand the thinking process

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Best Practices



Implementation ideas for tools within EAB

Quizzes

- NGN item types can be used to build quizzes for a grade or practice
- Study mode gives students correct answers with rationales after each question – perfect to use as students are practicing this type of assessment item.
- Exam mode gives students correct answers with rationales at the end of the quiz. This option is best when including items on a scored assessment.

Tests

- NGN item types can be used to build unit, mid-term, and final exams
- A mix of standard NCLEX items and NGN items can be used to build an exam
- Based on our pilot studies, recommended estimates for test item time allowance on instructor-made and HESI exams is as follows to avoid rushing test takers (Brunnert & Babcock, 2022).

6-Item Unfolding Case	Bowtie Item	Trend Item	Standard Item Types
15 minutes	6 minutes	2.5 minutes	1.8 minutes

In Class

- Use an NGN item as a case study to teach students the six cognitive processes of the CJMM: recognize cues, analyze cues, prioritize hypotheses, generate solutions, take action, and evaluate outcomes. NGN items provide a robust, real-world opportunity for students to learn how to think like a nurse.
 - In a recognize cues item, which assessment data requires follow-up by the nurse?
 - In an analyze cues item, what do the cues mean? Why are they relevant? What is their underlying pathophysiology? What patient problems might they indicate?
 - In a prioritize hypotheses item, which patient problems have the highest priority? Why?
 - In a generate solutions item, which general actions are indicated to support the goals for the patient's priority problem? Which general actions are contraindicated for the patient's priority problem?
 - In a take actions item, which specific nursing actions are appropriate for the patient's priority problems? How should those actions be performed?
 - In an evaluate outcomes item, does the client's data support the intended goals?



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In Clinical

- Select one NGN item type based on a patient the students experienced in clinical that day. Discuss the NGN item type as a case study in post-clinical conference, paying particular attention to the thinking process used in that item type and comparing it to their thinking when caring for that patient.

Brunnert, K., & Babcock, B. (2022). *HESI NGN item time recommendations*. [White paper]. Elsevier.