

Vibecoding an Assessment Innovation App

Discipline: Agriculture, Food and Environment

Focus: Faculty tool, Assessment design, Custom app

Overview

AI-aided course redesign is not intuitive for many instructors. This “first-stop” app helps them brainstorm alternative assessment formats before working with a custom ChatGPT agent.

Instructor inputs

Course context, current assessment format, discipline, Bloom’s levels and verbs, class modality, in-class time available, class size, stakes, and available technology.

App outputs

- Up to 20 alternative assessment formats, such as a gallery walk with critique or a concept map followed by a teach-back.
- Color-coded badges for prep time, grading effort, engagement, and technology needs.
- Pathways focused on authentic, creative, or scalable options.
- For each option: a student-facing prompt, a discipline-aware expanded prompt, a four-level analytic rubric, sample feedback, and a timed instructor workflow, exportable for Canvas.

Tools

AI coding tools, Custom ChatGPT agent

What the instructor observed

The tools changed so quickly after December 2025 that the original design was outdated within months. The plan is being revisited with current tools for a pilot with a team of colleagues.

Advice for colleagues

Build a plan sturdy enough to move to newer models as they are released. Treat any tool as a version, not a finished product.

Adapting it

Without building an app, the same inputs can be given to a chatbot as a structured prompt to generate alternative assessments, rubrics, and grading-time estimates.

From the 2025–26 Teaching Innovation Institute (TII) cohort, University of Kentucky. Sources: 2025 TII Showcase posters (December 3, 2025) and the 2025–26 TII Project Takeaways survey.