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Work on grading service for Textbook/Learning platform

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Problem

- As reach of Qiskit is getting wider everyday, lots of content creators, university professors wants to automate their course exercises via Qiskit dashboard
- Many universities are following qiskit textbook as their syllabus and wants to conduct tests and exercises on the platform itself
- But now, Qiskit backend team has to manually onboard questions for each exercise



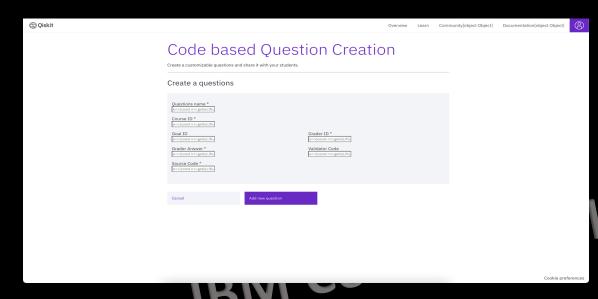
Scenario: Andrew from FlyHigh University wants to set an assignment on the Qubit topic for his course on Quantum Computing. Steps he needs to follow:

- Provide JSON formatted input to the Qiskit development backend team.
- Then it has to be stored under proper file structure for grading and showing purpose
- All these steps has to be done manually without a single typo
- UI has to render the assignment based on the complex user formatted JSON
- All assignments/exam information is getting stored in the github repository

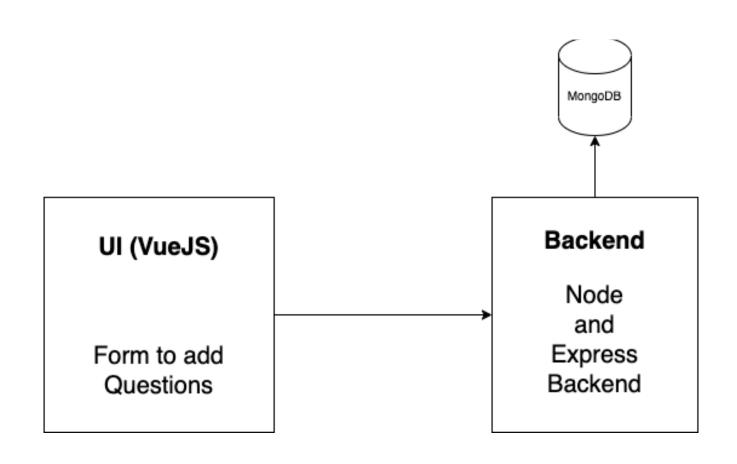


Solution

- We, QAMP team introduced a way to tackle this and scale this unique problem
 Introduced a simple way to add new questions under an assignment via API request or
 UI
- All unique questions will get stored in the MongoDB
- CRUD operations-based APIs will be able to handle addition, updation, deletion and listing of questions on large scale
- Following is an example of question addition



Architecture



Demo

Questions?

Email me for more information: ashwin.kulkarni128@gmail.com

