UML Sequence Diagram 2: Student Answers a Question

Scenario: A logged-in Student finds a question, optionally views a hint, submits a code answer, and receives a result.

QuestionUI	QuestionFacade	Student	QuestionList	Question	Solution

findQuestions(keyword)

getInstance()

return QuestionList

getQuestions(ArrayList<Filter>)

return ArrayList<Question>

return ArrayList<Question>

getQuestion(UUID id)

return Question (currentQuestion set)

opt

viewHint()

viewHint()

return Hint

return Hint

attemptQuestion()

attemptQuestion()

return boolean

answerQuestion(code)

answerQuestion(code)

calculateRating(rating)

return int

return boolean

return boolean

QuestionUI	QuestionFacade	Student	QuestionList	Question	Solution