

QuizController Documentation

Generated for ApplInventor platform

Description

Complete Quiz Extension with Answer Tracking

Events

AnswerSubmitted

Triggered when answer is submitted

```
`AnswerSubmitted(displayPos: number, originalPos: number, isCorrect: boolean, userAnswer: text, correctAnswer: text, score: number, isNewSubmission: boolean)`
```

Parameters:

- displayPos: number
- originalPos: number
- isCorrect: boolean
- userAnswer: text
- correctAnswer: text
- score: number
- isNewSubmission: boolean

ErrorOccurred

Triggered on errors

```
`ErrorOccurred(message: text)`
```

Parameters:

- message: text

LoadingFinished

Triggered when async loading completes

```
`LoadingFinished(totalLoaded: number)`
```

Parameters:

- totalLoaded: number

LoadingProgress

Shows loading progress

```
`LoadingProgress(loaded: number, total: number)`
```

Parameters:

- loaded: number
- total: number

QuestionChanged

Triggered when question changes

```
`QuestionChanged(displayPos: number, originalPos: number, currentQnOpList: list, score: number, total: number, isAlreadyAnswered: boolean)`
```

Parameters:

- displayPos: number
- originalPos: number
- currentQnOpList: list
- score: number
- total: number
- isAlreadyAnswered: boolean

QuizCompleted

Triggered when quiz completes with detailed results

```
`QuizCompleted(score: number, totalQuestions: number, percentage: number, correctAnswers: list, wrongAnswers: list)`
```

Parameters:

- score: number
- totalQuestions: number
- percentage: number
- correctAnswers: list
- wrongAnswers: list

Ready

Triggered when quiz is ready

```
`Ready()`
```

Methods

GetCurrentAnswer

Returns: text

Get answer for current question

```
`GetCurrentAnswer()`
```

GetScore

Returns: number

Get current score

```
`GetScore()`
```

InitializeQuiz

Initialize quiz with shuffle control

```
`InitializeQuiz(questionData: list, shouldShuffle: boolean)`
```

Parameters:

- questionData: list
- shouldShuffle: boolean

IsCurrentQuestionAnswered

Returns: boolean

Check if current question was answered

```
`IsCurrentQuestionAnswered()`
```

Next

Move to next question or complete quiz

```
`Next()`
```

Previous

Move to previous question

```
`Previous()`
```

ResetQuiz

Reset quiz

```
`ResetQuiz()`
```

ShuffleQuestions

Shuffle all questions while keeping track of original positions

```
`ShuffleQuestions()`
```

SubmitAnswer

Submit answer

```
`SubmitAnswer(userAnswer: text)`
```

Parameters:

- userAnswer: text

TotalQuestions

Returns: number

Get total questions

```
`TotalQuestions()`
```

Properties

QuizTitle

(get) /set Returns: text

Property for QuizTitle

```
`QuizTitle`
```

ShowProgress

(get) /set Returns: boolean

Property for ShowProgress

```
`ShowProgress`
```

QuizTitle

(set)

Property for QuizTitle

```
`QuizTitle(QuizTitle)`
```

Parameters:

- QuizTitle

ShowProgress

(set)

Property for ShowProgress

```
`ShowProgress(ShowProgress)`
```

Parameters:

- ShowProgress