CLAIMS

What is claimed is:

1. A question and answer data processing method, comprising:

receiving user answer data and a user answering image that are sent by a terminal;

determining, in a preset determining manner, whether the user answer data is correct;

determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct, wherein the target expression score is determined by specifically extracting a corresponding user micro-expression from the user answering image and determining the target expression score corresponding to the user answering image based on the extracted user micro-expression;

determining target question data in a preset question data determining manner corresponding to the target expression score; and

sending the target question data to the terminal for display.

2. The method according to claim 1, wherein the user answering image comprises a user answering picture, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering picture based on the user answering image when determining that the user answer data is correct;

inputting the user answering picture to a pre-trained micro-expression recognition model for prediction, to obtain the corresponding user micro-expression; and

inputting the user micro-expression to a pre-trained expression score prediction model, to obtain the target expression score.

3. The method according to claim 1, wherein the user answering image comprises a user answering video, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering video based on the user answering image when determining that the user answer data is correct;

extracting a preset quantity of video frames from the user answering video in a preset extraction manner;

determining an expression score corresponding to each of the video frames; and

determining the target expression score corresponding to the user answering image based on each expression score.

4. The method according to claim 1, wherein the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data of a preset question type from a preset question library when the target expression score reaches the preset expression score.

5. The method according to claim 1, wherein the user answer data and the user answering image correspond to current question data, and the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data corresponding to the current question data based on the current question data in a preset selection manner when the target expression score is less than the preset expression score.

6. The method according to any one of claims 1 to 5, wherein the user answer data and the user answering image correspond to the current question data, the current question data corresponds to a preset comprehensive score, and the method further comprises:

dynamically adjusting the preset comprehensive score in a preset score adjustment manner when the target expression score is less than the preset expression score; and

determining a comprehensive score corresponding to the target question data based on the preset comprehensive score and an adjusted preset comprehensive score.

7. The method according to any one of claims 1 to 5, wherein before the determining target question data in a preset question data determining manner corresponding to the target expression score, the method further comprises:

determining a target answer score corresponding to the user answer data in a preset answer score determining manner;

determining a corresponding target comprehensive score based on the target answer score and the target expression score;

updating a corresponding existing total answer score based on the target comprehensive score; and

stopping a current questioning and answering procedure when an updated total answer score meets a preset stop condition, and sending corresponding prompt information to the terminal.

8. A question and answer data processing apparatus, comprising:

a receiving module, configured to receive user answer data and a user answering image that are sent by a terminal;

a determining module, configured to determine, in a preset determining manner, whether the user answer data is correct;

a score determining module, configured to determine a target expression score corresponding to the user answering image in a preset expression score determining manner when it is determined that the user answer data is correct, wherein the target expression score is determined by specifically extracting a corresponding user micro-expression from the user answering image and determining the target expression score corresponding to the user answering image based on the extracted user micro-expression;

a question data determining module, configured to determine target question data in a preset question data determining manner corresponding to the target expression score; and

a sending module, configured to send the target question data to the terminal for display.

9. A computer device, comprising a memory and one or more processors, wherein the memory stores computer readable instructions, and when the computer readable instructions are executed by the one or more processors, the one or more processors are enabled to perform the following steps:

receiving user answer data and a user answering image that are sent by a terminal;

determining, in a preset determining manner, whether the user answer data is correct;

determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct, wherein the target expression score is determined by specifically extracting a corresponding user

micro-expression from the user answering image and determining the target expression score corresponding to the user answering image based on the extracted user micro-expression;

determining target question data in a preset question data determining manner corresponding to the target expression score; and

sending the target question data to the terminal for display.

10. The computer device according to claim 9, wherein the user answering image comprises a user answering picture, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering picture based on the user answering image when determining that the user answer data is correct;

inputting the user answering picture to a pre-trained micro-expression recognition model for prediction, to obtain the corresponding user micro-expression; and

inputting the user micro-expression to a pre-trained expression score prediction model, to obtain the target expression score.

11. The computer device according to claim 9, wherein the user answering image comprises a user answering video, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering video based on the user answering image when determining that the user answer data is correct;

extracting a preset quantity of video frames from the user answering video in a preset extraction manner;

determining an expression score corresponding to each of the video frames; and

determining the target expression score corresponding to the user answering image based on each expression score.

12. The computer device according to claim 9, wherein the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data of a preset question type from a preset question library when the target expression score reaches the preset expression score.

13. The computer device according to claim 9, wherein the user answer data and the user answering image correspond to current question data, and the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data corresponding to the current question data based on the current question data in a preset selection manner when the target expression score is less than the preset expression score.

14. The computer device according to any one of claims 9 to 13, wherein the user answer data and the user answering image correspond to the current question data, the current question data corresponds to a preset comprehensive score, and when executing the computer readable instructions, the processors further perform the following steps:

dynamically adjusting the preset comprehensive score in a preset score adjustment manner when the target expression score is less than the preset expression score; and

determining a comprehensive score corresponding to the target question data based on the preset comprehensive score and an adjusted preset comprehensive score.

15. The computer device according to any one of claims 9 to 13, wherein when the computer readable instructions are executed by the one or more processors, before the determining target question data in a preset question data determining manner corresponding to the target expression score, the processors are further enabled to perform the following steps:

determining a target answer score corresponding to the user answer data in a preset answer score determining manner;

determining a corresponding target comprehensive score based on the target answer score and the target expression score;

updating a corresponding existing total answer score based on the target comprehensive score; and

stopping a current questioning and answering procedure when an updated total answer score meets a preset stop condition, and sending corresponding prompt information to the terminal.

16. One or more nonvolatile computer readable storage media, storing computer readable instructions, wherein when the computer readable instructions are executed by one or more processors, the processors are enabled to perform the following steps:

receiving user answer data and a user answering image that are sent by a terminal;

determining, in a preset determining manner, whether the user answer data is correct;

determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct, wherein the target expression score is determined by specifically extracting a corresponding user micro-expression from the user answering image and determining the target expression score corresponding to the user answering image based on the extracted user micro-expression;

determining target question data in a preset question data determining manner corresponding to the target expression score; and

sending the target question data to the terminal for display.

17. The storage media according to claim 16, wherein the user answering image comprises a user answering picture, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering picture based on the user answering image when determining that the user answer data is correct;

inputting the user answering picture to a pre-trained micro-expression recognition model for prediction, to obtain the corresponding user micro-expression; and

inputting the user micro-expression to a pre-trained expression score prediction model, to obtain the target expression score.

18. The storage media according to claim 16, wherein the user answering image comprises a user answering video, and the determining a target expression score corresponding to the user answering image in a preset expression score determining manner when determining that the user answer data is correct comprises:

obtaining a corresponding user answering video based on the user answering image when determining that the user answer data is correct;

extracting a preset quantity of video frames from the user answering video in a preset

extraction manner;

determining an expression score corresponding to each of the video frames; and

determining the target expression score corresponding to the user answering image based on each expression score.

19. The storage media according to claim 16, wherein the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data of a preset question type from a preset question library when the target expression score reaches the preset expression score.

20. The storage media according to claim 16, wherein the user answer data and the user answering image correspond to current question data, and the determining target question data in a preset question data determining manner corresponding to the target expression score comprises:

comparing the target expression score with a preset expression score; and

selecting target question data corresponding to the current question data based on the current question data in a preset selection manner when the target expression score is less than the preset expression score.