Documentation for a maintenance of “Question The Question” module

1. **Summary**

This document is written for a future maintenance and update with new questions according to the client’s needs.

Most of the existing code was written for scalability and maintainability, and also it has some enough comments inside it.

There are 1 main Javascript file :

- custom.js :

Handles the other all of stuff, interactions, online/offline mode, localstorage, API interaction and global variables.

1. **common.js**
   * Global variables

|  |  |
| --- | --- |
| *Variable* | *Description* |
| isNetworkOnline | Represents the status of network connection. Default: *false* |
| QuizDetail | Keep the object which is parsed from JSON retrieved from API or localstorage |
| canGoNext | Indicates if we can go to the next round in current round. Default : *False* |
| totalCorrectNum | Indicates the total count of correct answers in all rounds. Default : *0* |
| current\_round\_correct\_num | Indicates the total count of correct answers in current round. Default : *0* |
| currentRoundAnswerIDs | Indicates the array of answer ids in current round. Default : [0,0,0,0] |
| Answer\_Pass\_Index | Indicates the index of the current round after clicking submit button. Default : *0* |
| ROUND\_CURRENT\_INDEX | Indicates the index of the current round. Default is *1.*  1 – First round  2 – Second round  3- Third round  4- Congret |

* + Functions

|  |  |
| --- | --- |
| *Function* | *Description* |
| updateQuestionsAndAnswers(  quizInfo  ) | Update the all questions and answers throughout all rounds. The quizInfo param will includes the activity\_json value. |
| checkCanGoNext() | - Check if all answers are selected. If not, return false.  - Calculate the score  - Update the answer review screen with correct answers  - Post or store the answer report  - Display the final correct or incorrect symbol |
| updateAnswerDropdown(  answerIDs  ) | Set the answer sections with saved answers in current round. |
| $(‘.pt-btn-result).click() | **Event Handler** which is called when user clicks on ‘Continue’ button in final round |
| $(‘.pt-btn-continue’).click() | **Event Handler** which is called when user clicks on ‘Continue’ button |
| $(‘.pt-btn-popup-ok’).click() | **Event Handler** which is called when user clicks on ‘Ok’ button of “all answers should be selected” popup view |
| $(‘.pt-btn-close’).click() | **Event Handler** which is called when user clicks on ‘<’ back button on the top-left corner. |
| $(‘.dropdown-el’).click() | **Event Handler** which is called when user clicks on the dropdown answer menu. |
| $(document).click() | **Event Handler** which is called when user clicks on document to close the popup menu opened. |
| storeReportToLocalStorage(  question\_id,  answer\_id,  score  ) | Store the report of answer to localStorage |
| sendStoredReportToServer() | Send the all of the stored answer-reports to server |
| sendReportToServer(  question\_id,  answer\_id,  score  ) | Send the answer-report to server |
| saveCurrentState() | Save the current state |
| loadLastState() | Load the last state |
| resetWithState(state) | Reset the app with the state |