Documentation for a maintenance of On Schedule 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 2 main Javascript files :

- onschedule\_submitoffline.js :

Handles the offline mode and online mode, as well as localstorage data and posting the answer results.

- custom.js :

Handles the other all of stuff, interactions and global variables.

1. **onschedule\_submitoffline.js**
   * Global variables

None

* + Functions

|  |  |
| --- | --- |
| *Function* | *Description* |
| 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 |

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 |
| MAX\_ROUND | Represents the maximum round count. Default : *2 (GSK and Sanofi)* |
| MAX\_ATTEMP\_COUNT | Represents the maximum attempt count. Default : *2* |
| currentAttempCount | Represents the current attempt count. Default : *0* |
| currentAnswerStage | Show the detailed stage of user interaction for saving a state |
| arrayBgImgs | Keep the url strings of screen background images for GSK and Sanofi |
| arrayRemBgImgs | Keep the url strings of remediation background images for GSK and Sanofi |
| arrayMenus |  |
| dropMenu | Dropdown answer selector jQuery element object |
| correctGSKAnswerIndexes | Keep the GSK answers indexes. Please check the **answerArray** variable for a index reference. |
| correctSanofiAnswerindexes | Keep the Sanofi answers indexes. Please check the **answerArray** variable for a index reference. |
| anwerArray | Keep the current selected answers indexes. If not selected yet, it should be *-1*.  *Example(****GSK****): [0, 1, -1, 2, 3, 1, -1, 0]*  *-1 : Not selected yet*  0: No Vaccination Required  1: PEDIARIX  2: INFANRIX  3: KINRIX |
| currentRound | Represents the current round. Default is *0.*  0 – GSK  1 – Sanofi  2- Congret |

* + Functions

|  |  |
| --- | --- |
| *Function* | *Description* |
| refreshBoardWithInfo(  isRefreshAnswer  ) | Reload the screen with answers, questions, buttons and remediation.  If **isRefreshAnswer** is true, it creates the new answer selector dropdown menu. |
| createDropdownMenu(  *menuArray*  ) | Creates the dropdown answer selector with strings of **menuArray** param and returns the jQuery div element of itself. |
| $document.click() | Handles the closing dropdown answer selector when user clicks outside of it. |
| createRemediation(  *correctAnwerArray*  ) | Creates the remediation result box with **correctAnswerArray** param and returns the jQuery div element of itself. |
| onSelectedAnswer(  $*answerEl,*  *answerIndex,*  *imgSrc*  ) | **Event Listener** which is called when user clicks one of the answer on the dropdown.  - Fills the connected answer content according to the selection  - if all answers are picked, then make Check Answer button available.  - Save the current state on local storage |
| loadLastAnswers(  lastAnswerArray  ) | Fills the answer selections with the last selected answers. |
| checkAnswersResult() | Checks if all answers are correct or not, and then returns true or false |
| updateBoardElements() | Handles the stuff after Check Answer button is clicked.  - Display the Next Schedule button  - Disable the dropdown answer selector  - If all answers are correct, show correct remediation label  - if incorrect, check if retry attempt is over MAX attempt limitation   * + If less than MAX limitation   : Show Incorrect remediation label  : Show correct remediation box with correct answers   * + If more than MAX limitation   : Show ‘Try again’ button  : Show the incorrect remediation label |
| $(‘pt-btn-check’).click() | **Event Handler** which is called when user clicks on ‘Check Answer’ button |
| $(‘pt-btn-next).click() | **Event Handler** which is called when user clicks on ‘Next Schedule’ button |
| $(‘pt-btn-try).click() | **Event Handler** which is called when user clicks on ‘Try Again’ button |
| $(‘pt-btn-close).click() | **Event Handler** which is called when user clicks on ‘<’ back button on the top-left corner. |
| goToCongret() | Show the congret screen |
| UpdateQuestionsAndAnswers(  quizInfo  ) | Update the questions and answers with **quizInfo** param.  **- correctGSKAnswerIndexes** :  This global variable will be filled with correct answer indexes for GSK questions.  **- correctSanofiAnswerIndexes** :  This global variable will be filled with correct answer indexes for Sanofi questions. |