**Title: Quiz Self Scoring Question Page**

**Functionality:** This document covers section 7.2 – Question Page: PageType=7of specification document

**What is developed?**

* When a user clicks on “Continue” button from Quiz Self Scoring Intro Page, system will redirect it to Self Scoring Question page which will contain a question image along with user answer for that questions placed in Ckeditor .
* On click of “Next” button user will be validated with mark selection required for the question.
* If its first question then no “Previous” button will be shown
* User will have to score their answer from drop down list.
* On click of next user’s score will be saved and will be redirected to next question.
* If all questions have been scored then user will be redirected to result page.
* User’s score will not be saved on click of previous button.
* On click of browser back button, system will let the user to IntroPage.

**How it is developed?**

* On load of page server side request will be sent with question number to fetch the question and user answer details. It will return List<QuizPageAndQuestionDetails> which contains following properties.
  + IndentPx: pixel to adjust the CkEditor.
  + AnsweredInTime : Property to check whether the user has answered in time or not
  + SolutionImageRequiredScaling: The displayed size of the solution image is to be this amount of times bigger/smaller than that of the question image, and its purpose is to adjust for varied font sizes used between question and solution images.
  + QuestionId: Id of the question.
  + QuestionImagePath : Image path of question
  + NumberOfMarks : Maximum marks for question
  + UserAnswer : User answer
  + WriteSolutionInSpecificLocationMessage : Special message to display below question message.
  + SolutionResourceTitle : If solution contains resources i.e. audio/video then it will be displayed.
  + AudioVideoImagePath : Audio/Video path.
  + SolutionImagePath: Solution image path.
* Based on the ‘NumberOfMarks’ , marks will be populated in drop down list.
* On click of next button user score will be validated and if user have scored all the answers then user will be redirected to next question.
* If all the questions have been self-scored then on click of next it will check whether the timer was expired for any of the short answer questions and if timer was expired then it will redirect to TimerExpiredPage. If user has answered all the short answer questions in time then Result-Page will be shown.
* Whether the timer was expired or not for any of the short answer question will be checked based on parameter passed in url.

**Where to find code?**

* **Templates**: TSFXGenformWeb > templates > Quiz > selfScoringQuestionPage.html.
* **Clientside** :
  + Controller : TSFXGenformWeb > app > controllers > quiz > selfScoringQuestionPageController.ts
  + Service : TSFXGenformWeb > app > services > quiz > selfScoringQuestionPageService.ts
* **Controllers** : TSFXGenform.Core > Controllers > QuizController
* Methods:
  + - GetQuestionForSelfScoringQuestionPage (): Method to get question and answer details.
    - GetNextQuizPageOfSelfScoringQuestion (): Method to get next page for quiz.
    - GetPreviousQuizPageOfSelfScoringQuestion() : Method to get previous page for quiz.
* **Repository** : TSFXGenform.Repository > Repository >Cache Repository.cs, XmlDataRepository.cs ,QuizRepository
* **Repository** : TSFXGenform.Repository > IRepository >ICache Repository.cs, IXmlDataRepository.cs ,IQuizRepository