

BackEnd

BS-Worklet 8

Problem Statement

Student login - Multiple Choice Questions

Data in Request

Question ID

Response

Description of Question with images

List of options - Option if either single or multiple answers

Skip question option given by teacher

Keep track of time taken by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 9

Problem Statement

Student login - Multiple Choice Questions with images

Data in Request

Question ID

Keep track of time taken by user

Response

Description of Question with images

List of images and option if either single or multiple answers

Skip question option

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 10

Problem Statement

Student login - Fill in the blanks

Data in Request

Question ID

Response

Description of Question with images

Number of text box(es) to enter answer - Can be inferred from question ??

Skip question option

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 11

Problem Statement

Student login - Matching - Drag and Drop

Data in Request

Display Question - two columns

Response

Elements in column A and column B

Skip question option

Keep track of time taken by user

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 12**Problem Statement**

Student login - Matching - Select column A and B

Data in Request

Question ID

Response

Elements in column A and column B

Skip question option

Keep track of time taken by user

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 13**Problem Statement**

Student login - Matching - Draw line

Data in Request

Question ID

Response

Elements in column A and column B

Skip question option

Keep track of time taken by user

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 14**Problem Statement**

Student login - Matching - Drop down

Data in Request

Question ID

Response

Elements in column A and column B

Skip question option

Keep track of time taken by user

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation

Code sanitization

BS-Worklet 15

Problem Statement

Student login - Sequence based questions

Data in Request

Question ID

Response

Description of question with images

List of options in order

Skip question option

Keep track of time taken by user

Keep track of clicks made by user

Weightage

Timer option

Minimum Time constraint option

If validation fails redirect to question creation page with error message

On Successful validation

(i) Store data in DB

(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)

Data Validation
Code sanitization

BS-Worklet 16

Problem Statement

Student login - Cross word

Data in Request

Question ID

Response

Description of Question
Dimension of matrix
Values given by teacher (cell number and value)
Empty cell numbers
Skip question option
Keep track of time taken by user
Keep track of clicks made by user
Weightage
Timer option
Minimum Time constraint option

If validation fails redirect to question creation page with error message
On Successful validation
(i) Store data in DB
(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)
Data Validation
Code sanitization

BS-Worklet 17

Problem Statement

Student login - Matrix based questions

Data in Request

Question ID

Response

Dimension of matrix

Values in first column and row
Baskets of options
Weightage
Timer option
Minimum Time constraint option
Skip question option

If validation fails redirect to question creation page with error message
On Successful validation
(i) Store data in DB
(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)
Data Validation
Code sanitization

BS-Worklet 18

Problem Statement

Student login - Display all MCQ questions of a test in a single page

Data in Request

Question ID

Response

Description of questions with images
Lists of List of options
Lists of list of answers
Weightage
Timer option
Minimum Time constraint option
Skip question option

If validation fails redirect to question creation page with error message
On Successful validation
(i) Store data in DB
(ii) Reverse redirect to same page with success message

Standards to be ensured

Test Driven Development (TDD)
Data Validation
Code sanitization

