**Dokumentasi** Technical Test **Research and Development Team**

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* **Application**: Nationality test app
* **Entity Relationship Diagram**

Diagram

Description automatically generated

* **Features**

1. Sidebar

* If the logged in user is **guest**, then the application will show **nothing**
* If the logged in user is **admin**, then the application will show a link to **Home**, **Manage Questions**, **Manage Schedules**, and **Manage Participant**
* If the logged in user is **participant**, then the application will show a link to **Home**, and **Take Test**.
* If the link is **clicked**, then user will be **redirected** to the associated page.

Graphical user interface, application

Description automatically generated

Figure . Navigation bar for guest (left), admin (middle), participant (right)

1. Home page (index.razor)

* If the logged in user is guest, then the application will show a message for guest.

Background pattern

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Figure . Home page for guest

* If the logged in user is admin, then the application will show message for admin.

Graphical user interface, application, Teams

Description automatically generated

Figure . Home page for admin

* If the logged in user is participant, then the application will show message for participant and his/her schedule status.
* The application will show information about the schedule such as **start date**, **end date**, **taken on**, and **status**.

Graphical user interface, application

Description automatically generated

Figure . Home page for participant (already taken the test)

Graphical user interface, application, background pattern, Teams

Description automatically generated

Figure . Schedule summary for participant (Test not yet started)

Background pattern

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Figure .Schedule summary for participant (Test is on going)

Background pattern

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Figure . Schedule summary for participant (missed the test)

1. Manage Question

* This page is only accessible by admin
* The page will show **all questions** in grid list, **question preview**, and a button to **add new question**.
* Each question will show the question information such as **type of the question**, **question text**, and a **button to show its preview**.
* If the admin **click add new question** button, then admin will be **redirected to add question page.**

A screenshot of a computer

Description automatically generated

Figure . Manage question page (with no question to be previewed)

* If the admin click the show preview button, then the **preview of the question** will be shown along with a button to **update** or **delete** the question.

Graphical user interface, application

Description automatically generated

Figure . Question preview (Multiple Choice)

A picture containing graphical user interface

Description automatically generated

Figure . Question preview (Boolean)

Background pattern

Description automatically generated

Figure . Question preview (Select from list)

Background pattern

Description automatically generated

Figure . Question preview (Essay)

Graphical user interface, text, application

Description automatically generated

Figure . Question preview (File upload)

* If the admin **click update** button, then the admin will be **redirected to update question page**.
* If the admin **click delete** button, the application will show a prompt. If admin **accepted the prompt**, then **the selected question will be deleted.**

1. Add question

* This page is only accessible by admin.
* This page will show a form to input question text and question type.

Background pattern

Description automatically generated

* If the selected type is multiple choice or select from list, then an input field to add possible answers will be shown.
* Admin could add or delete the possible answer input, but there will be minimal of 1 possible answers input remain.

Background pattern

Description automatically generated

Background pattern

Description automatically generated

* Error messages will be shown if admin didn’t fill all the available input field

Background pattern

Description automatically generated

* If all input field is filled, the next section of the form will be shown.
* if the selected type is multiple choice, select from list, or boolean, then admin must choose the correct answer from the possible answers list.

Background pattern

Description automatically generated

* If no correct answers is selected, then the application will show an error alert.
* If the selected type is essay or file upload, then an message to inform that will be shown.

Background pattern

Description automatically generated

* If the admin click add question, then the question will be added to the database and admin will be redirected to manage question page.