

MITRAIS CODING TEST 2

1. System Requirements

- Mobile number is required.
- Mobile number should be unique.
- Mobile number should validate valid Indonesian phone number.
- First name is required
- Last name is required
- Date of Birth is optional
- Gender is optional
- Email is required
- Email should be unique

When clicked on 'Register' button,

- Disable (Gray out) Register form as shown in the next slide
- If the data saved properly, display login button as shown in the next slide
- If there is any error, enable the form and display the error message on top of the form (Register label)
- When clicked on the login button, the page should be redirected to login page

2. Database Physical schema

- Database Tools MySQL
- Database Design

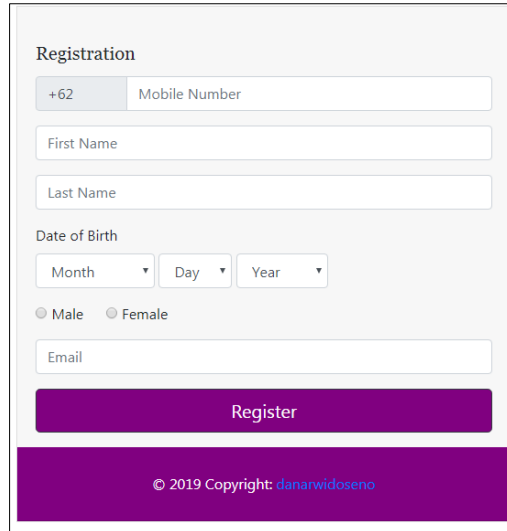
user_test	
PK	<u>UserId</u>
	MobileNumber FirstName LastName MonthBirth DateBirth YearBirth Gender Email

c. Physical Database

Server: 127.0.0.1 » Database: mitrais » Table: user_test							
#	Name	Type	Collation	Attributes	Null	Default	Extra
1	<u>UserId</u>	int(11)			No	None	AUTO_INCREMENT
2	MobileNumber	varchar(15)	latin1_swedish_ci		No	None	
3	FirstName	varchar(100)	latin1_swedish_ci		No	None	
4	LastName	varchar(100)	latin1_swedish_ci		No	None	
5	MonthBirth	varchar(2)	latin1_swedish_ci		No	None	
6	DateBirth	varchar(2)	latin1_swedish_ci		No	None	
7	YearBirth	varchar(4)	latin1_swedish_ci		No	None	
8	Gender	enum('Male', 'Female')	latin1_swedish_ci		No	None	
9	Email	varchar(150)	latin1_swedish_ci		No	None	

3. Graphical User Interface

- a. UI using HTML5, CSS, Bootstrap and Javascript.
- b. Transfer data method using RESTful CURL.
- c. API create base on PHP



The image shows a registration form with the following fields and elements:

- Registration** (Section Header)
- Mobile Number**: A text input field with a dropdown menu showing "+62".
- First Name**: A text input field.
- Last Name**: A text input field.
- Date of Birth**: Three dropdown menus for **Month**, **Day**, and **Year**.
- Gender**: Two radio buttons labeled **Male** and **Female**.
- Email**: A text input field.
- Register**: A large blue button.
- Footer**: A blue bar at the bottom containing the text "© 2019 Copyright: danarwidoseno".

4. Unit Test Black Box Testing

- a. Mobile number is required.
- b. Mobile number should be unique.
- c. Mobile number Indonesian phone number.
- d. First name is required
- e. Last name is required
- f. Email is required
- g. Email should be unique
- h. If there is any error, enable the form and display the error message on top of the form (Register label)

Require Validation

Registration

+62

Mobile Number

Please fill out this field.

First Name

Please fill out this field.

Last Name

Please fill out this field.

Date of Birth

Month

Day

Year

☒ Male ☐ Female

Email

Please fill out this field.

Register

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Error Message

Error: ReferenceError: form_data5 is not defined

Registration

+62

81290301094

DANAR

WIDO

Date of Birth

January

2

1988

☒ Male ☐ Female

danarwidoseno@gmail.com

Register

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Unique Mail Validation

Registration

+62

81290301094

DANAR

WIDO

Date of Birth

Month

Day

Year

☒ Male ☐ Female

danar

Email should be unique

Register

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Phone Number Validation

Registration

+62

9887433

Please lengthen this text to 9 characters or more (you are currently using 7 characters).

First Name

Please fill out this field.

Last Name

Please fill out this field.

Date of Birth

Month

Day

Year

☐ Male ☐ Female

Email

Please fill out this field.

Register

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