# FRONTEND MODULE

## CONTENTS
This module has the following files:
1. MODULE_FRONTEND.doc
2. MODULE_FRONTEND_MEDIA.zip

## INTRODUCTION
In this module you are required to implement the results of the REST API that you have created, Frontend using provided **JavaScript** libraries (react/angular/vue) of Society Vaccination Platform.

## DESCRIPTION OF PROJECTS AND TASKS
In this module, you can use the gui template provided in the media files to build a society platform. Implement REST API into the frontend. All response formats must be in JSON form.

You can use server side programming with framework in REST API Module, but you will only get a quarter of the total point.

## Society login and logout
To be able to enter the system, the society must first login using the ID card number and password. When the society has entered the system, the logout button will appear, and the society can exit the system by clicking the logout button

Specifications:

```
Feature: B1 - Society login and logout: as a visitor, i want to login
into society vaccination platform and logout to exit the system.


   Scenario: B1a - Society login success

      Given I am on the login page

      And I enter correct id_card_number and password

      Then I redirected to society dashboard page
```

```
Scenario: B1b - Society login fails

   Given I am on the login page

   And I enter wrong id_card_number or password

   Then I stay in the login page and I see error message "ID Card
   Number or Password incorrect"



Scenario: B1c - Society logout success

   Given I am on the any page that has been logged in

   And I press logout button

   Then I get message "logout success" and redirected to login page

   And I cannot reach the previous page by going back
```
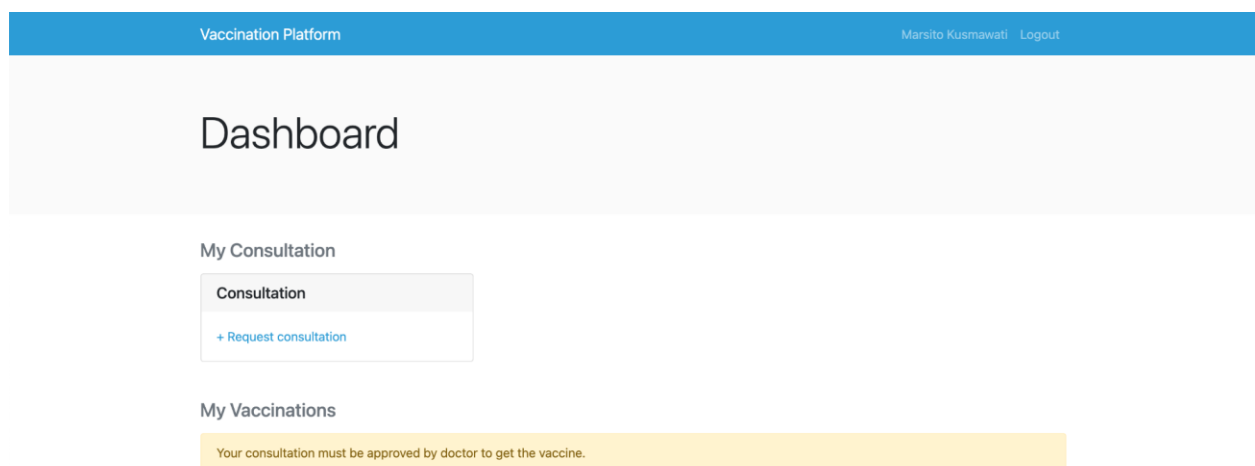
## <u>Society Dashboard</u>

In the dashboard page, there are two sections, consultation and vaccination section. where the society must request a consultation and the consultation is approved by the doctor to be able to register for vaccination.

Specifications:
```
Feature: B2 - Society Dashboard: as a society, i want to see
consultation info and my vaccination list in the dashboard page.
```



```
Scenario: B2a - Consultation section is displayed
```

Given I am on dashboard page

Then I see the consultation section with "My Consultation" title


Scenario: B2b - Link to request consultation appears when society hasn't consultation before

Given I am on dashboard page

And I haven't request consultation before

Then I see request consultation link in the consultation section


Scenario: B2c - Show consultation info



Given I am on dashboard page

And my request consultation is sent or accepted/rejected by doctor

Then I see consultation info in the consultation section


Scenario: B2d - Vaccination list section is displayed

Given I am on dashboard page

Then I see the vaccination list section with "Vaccinations" title

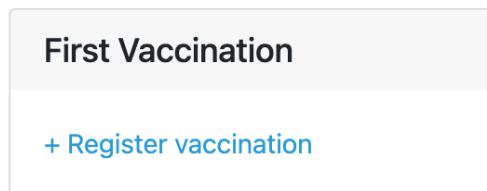Scenario: B2e - Show vaccination info message

  Given I am on dashboard page

  And I haven't request consultation before

  Then I see "Your consultation must be approved by doctor to get
  the vaccine" in the vaccination list section


Scenario: B2f - The first vaccination box is displayed when society
consultation have been accepted by doctor

## My Vaccinations

### First Vaccination

+ Register vaccination

  Given I am on dashboard page

  And I my request consultation has been accepted by doctor

  Then I see the first vaccination box with link is displayed in the
  vaccination list section


Scenario: B2g - The second vaccination box is displayed when the
first vaccination is finished

## My Vaccinations

| First Vaccination | |
|---|---|
| **Status** | Vaccinated |
| **Date** | October 27, 2021 |
| **Spot** | Usamah Hospital |
| **Vaccine** | Sinovac |
| **Vaccinator** | Dr. Raina Pradipta |

**Second Vaccination**

+ Register vaccination

```
Given I am on dashboard page

And my first vaccination is finished

Then I see the second vaccination box with link is displayed in
the vaccination list section



 Scenario: B2h - The vaccinations box show vaccination info correctly
 when vaccination is finished

  Given I am on dashboard page

  And my first or second vaccination is finished

  Then I see vaccination info (status, date, spot, vaccine, and
  vaccinator) in the vaccination box
```

# Request Consultation

In the consultation request page, the society can fill in the history of the disease and current symptoms if they have by selecting "Yes, I have" in each dropdown question.

### Specifications :

```
Feature: B3 - Society Consultation: as a society, i want to request
consultation.
```

Scenario: B3a - Consultation form is displayed correctly

When I press "Request consultation" button in the dashboard page

Then I see the consultation form (disease history and current symptoms) is displayed


Scenario: B3b - Show textarea form by choosing "Yes, I have"

Given I am on request consultation page

Then I select "Yes, I have" of dropdown in each consultation form, then the textarea will be displayed.


Scenario: B3c - Request consultation successful

Given I am on request consultation page

And I press request button

Then the request consultation is sent, the "Request consultation successful" message is appear, and I redirected to dashboard page

# Vaccination Spots List

When the society registers for vaccination by pressing the "Register vaccination" button on the dashboard page, the society is directed to the list vaccination spot page to select a vaccination spot. In the item spot, display the vaccines available in that spot correctly.

Vaccination spot are displayed by society region. In each place the vaccine has a different service where :

- Serve 1 : only first vaccination
- Serve 2 : only second vaccination
- Serve 3 : both

So, make the vaccination spot unavailable when the vaccination registration cannot be served by the vaccination spot.

## Specifications :

```
Feature: B4 - Vaccination Spots List: as a society, I want to see a
list of vaccination spots by my region.
```



```
Scenario: B4a - Show list vaccination spots by society region

   Given I am on vaccination spot list page

   Then I see a list of vaccination spots in my region



   Scenario: B4b - Show spot information for each spot item
```

```
    Given I am on vaccination spot list page

    Then I see spot information (spot name, address, available
    vaccines, and serve) in each spot item.



  Scenario: B4c - Spot item unavailable when the spot can't be serve

    Given I am on vaccination spot list page

    Then I see spot that can't be serve unavailable
```

## Detail Vaccination Spot

In the vaccination spot detail page, there are the 3 sessions :

- Session 1 : 09.00 - 11.00
- Session 2 : 13.00 - 15.00
- Session 3 : 15.00 - 17.00

In each section box, there is a queue order that has been divided based on the number of capacity at the vaccination spot. For example, if the capacity of the vaccination spot is 15, so in each section box there are 5 slots.

### Specifications :

```
Feature: B5 - Detail Vaccination Spot: as a society, I want to see

detail of vaccination spot and see how many registrations at the spot

based on the selected date.
```

Scenario: B5a - Three sections and slots displays correctly

Given I am on vaccination spot detail page

Then I see three sections with slots that have been divided according to the capacity of the vaccine spot is displayed correctly. For example, if spot capacity is 15, so, in each section each has 3 slots.

Scenario: B5b - Can see vaccinations info by choosing date

Given I am on vaccination spot detail page

And I select a date

Then I see how many vaccination slots have been booked on the selected date at that spot

Scenario: B5c - Mark other society vaccinations by green border

Given I am on vaccination spot detail page

Then I see the slots that filled with other society's vaccinations green border

Scenario: B5d - Mark my vaccination slot by blue background

   Given I am on vaccination spot detail page

   Then I see the slot that i will is blue background


Scenario: B5e - Register vaccination

   Given I am on vaccination spot detail page
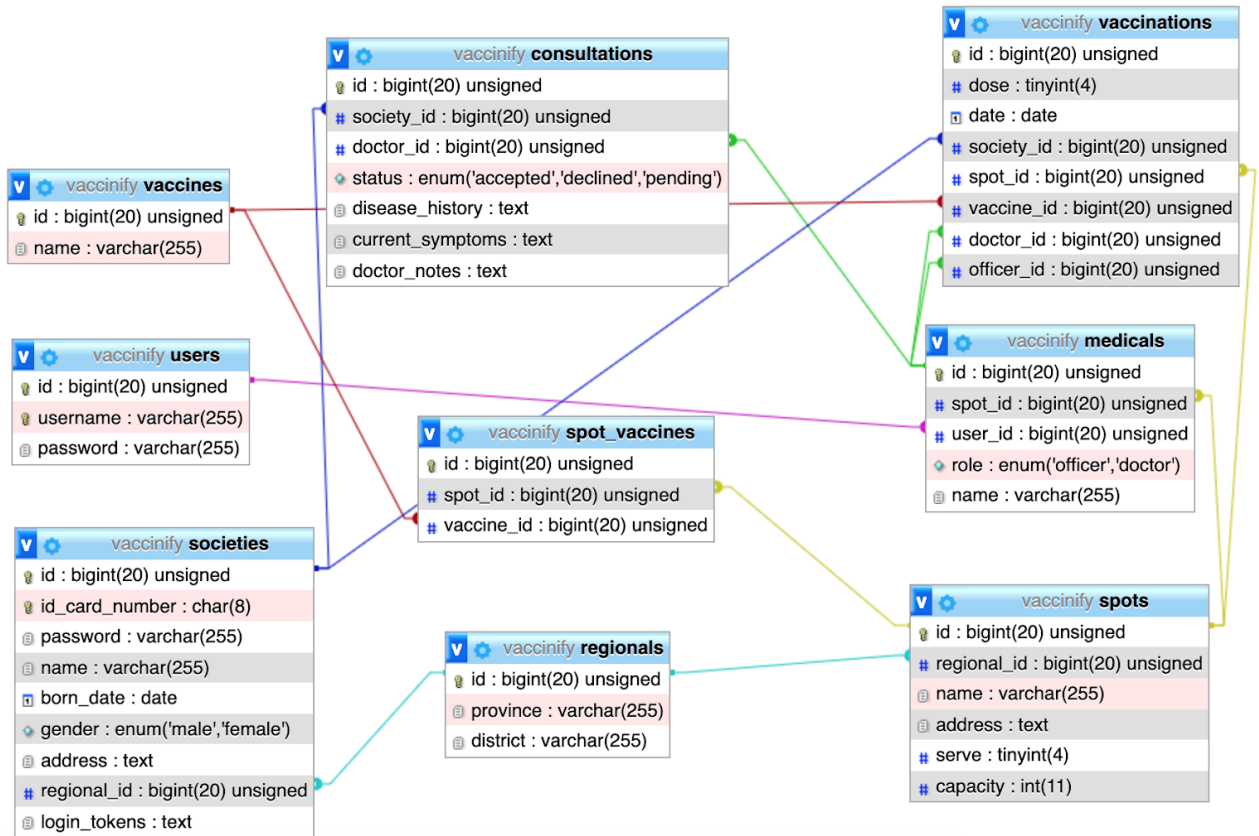
   And I press "Register vaccination" button

   Then the success or error message is appear and I redirected to
   dashboard page


**Notes:**

   -  For each response from the REST API must be displayed.

# ERD

You can use and improve ERD below:



**vaccinify consultations**
- id : bigint(20) unsigned
- society_id : bigint(20) unsigned
- doctor_id : bigint(20) unsigned
- status : enum('accepted','declined','pending')
- disease_history : text
- current_symptoms : text
- doctor_notes : text

**vaccinify vaccinations**
- id : bigint(20) unsigned
- dose : tinyint(4)
- date : date
- society_id : bigint(20) unsigned
- spot_id : bigint(20) unsigned
- vaccine_id : bigint(20) unsigned
- doctor_id : bigint(20) unsigned
- officer_id : bigint(20) unsigned

**vaccinify vaccines**
- id : bigint(20) unsigned
- name : varchar(255)

**vaccinify users**
- id : bigint(20) unsigned
- username : varchar(255)
- password : varchar(255)

**vaccinify spot_vaccines**
- id : bigint(20) unsigned
- spot_id : bigint(20) unsigned
- vaccine_id : bigint(20) unsigned

**vaccinify medicals**
- id : bigint(20) unsigned
- spot_id : bigint(20) unsigned
- user_id : bigint(20) unsigned
- role : enum('officer','doctor')
- name : varchar(255)

**vaccinify societies**
- id : bigint(20) unsigned
- id_card_number : char(8)
- password : varchar(255)
- name : varchar(255)
- born_date : date
- gender : enum('male','female')
- address : text
- regional_id : bigint(20) unsigned
- login_tokens : text

**vaccinify regionals**
- id : bigint(20) unsigned
- province : varchar(255)
- district : varchar(255)

**vaccinify spots**
- id : bigint(20) unsigned
- regional_id : bigint(20) unsigned
- name : varchar(255)
- address : text
- serve : tinyint(4)
- capacity : int(11)

## INSTRUCTION FOR COMPETITORS

- Save your work in the "frontend" folder : **XX_module_frontend**

- Use the gui templates provided in the media files.

- For this module, you must use one of the available frameworks provided. Applications developed without use of any of these frameworks will not be considered. You should take advantage of the framework as much as possible.

Note : **XX** is competitor number.