MTS3072

Development of Mobile Application

SESSION 2022/2023

LAB TEST

Lab test instructions:

1. Please read the questions carefully.
2. Please ensure that you answer the questions in this file.
3. You are required to save as pdf and name the file with your matric number. Then submit your **LabTest file** via **MyGURU** e.g. **D20192029292.pdf**
4. Time allocated for the lab test is only 3 hours. The submission time will be monitored through timestamp submission in MyGURU.
5. This lab test questions is confidential. You are not allowed to share the question with anyone else.
6. This lab test question must be done individually. No discussion is allowed.

Your Name: Mohd Izzul Ikhwan Bin Mohd Yusof

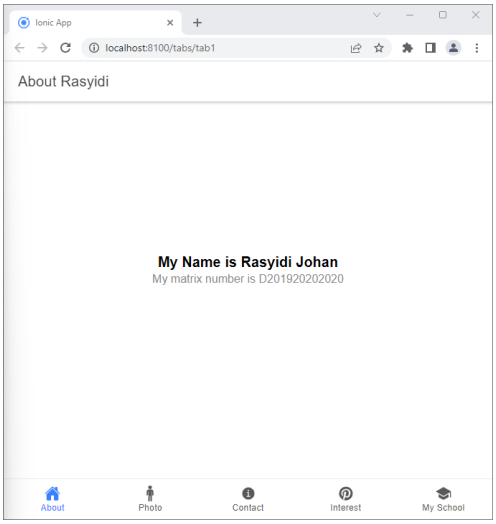
Your Matric Number : D20201095609

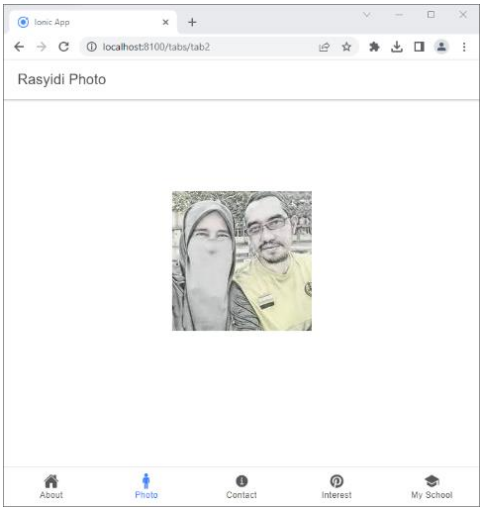
Group : MTS3072(B)

SCENARIO:

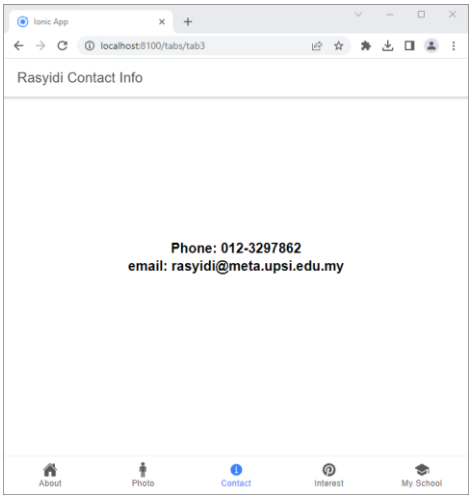
You are a final year UPSI student who will undergo Industrial Training in the coming semester. Therefore, you have been asked to prepare one of your portfolio apps that contains your personal information. The sample screens that need to be developed are displayed as in Figure below.

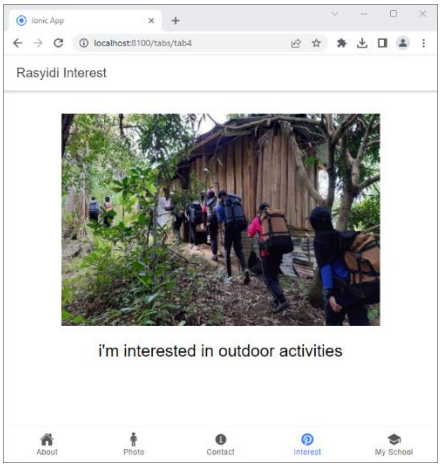
Anda merupakan pelajar tahun akhir di UPSI yang akan menjalani Latihan Industri pada semester akan datang. Oleh yang demikian, anda telah diminta untuk menyediakan satu apps portfolio anda yang mengandungi maklumat peribadi anda. Contoh skrin Output paparan yang diminta adalah seperti dalam Rajah dibawah:

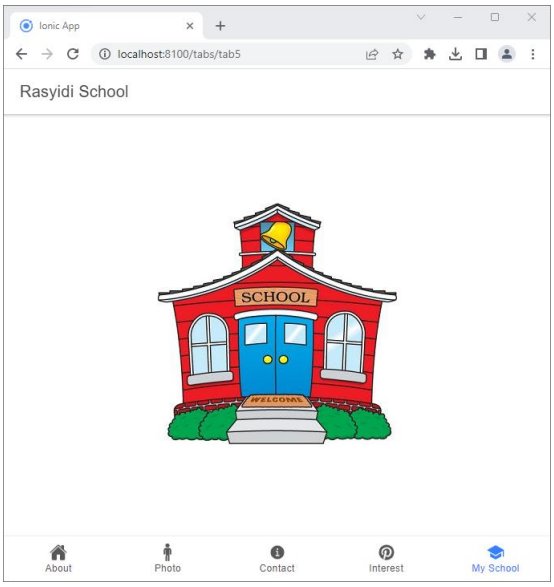




MTS3072 / Development of Mobile Application – LAB TEST





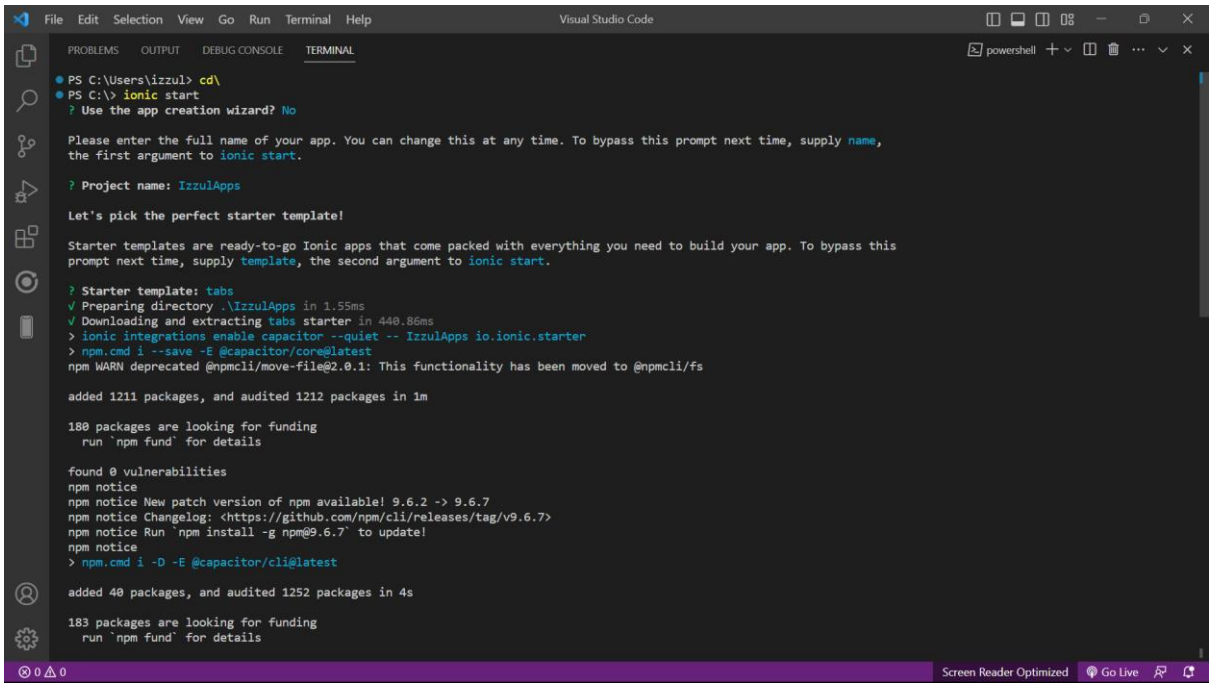


Your tasks:

1. Create your apps using Angular framework with your name+Apps for example RasyidiApps. You need to choose a Tabs template.

   Explain the ionic start command with an example of your screen capture. (**3 marks**)

Answer 1:



1.0 Using the Visual Code Studio, before create the project file, we must enter the C:\ file first using *cd* command.

1.1 After that, run the *ionic start* command to create a project file.

1.2 Name your project file name e.g. *IzzulApps*.

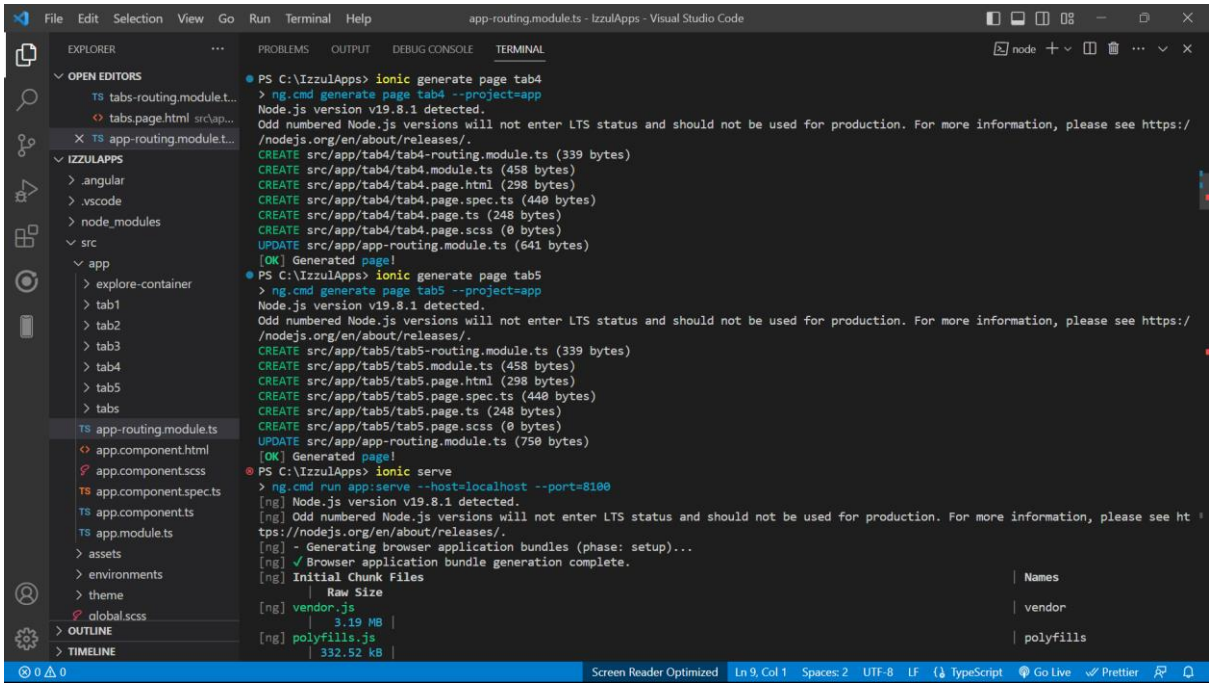
1.3 Choose the *Angular framework* using your keyboard arrow.

1.4 Choose the *Tabs* one using your keyboard arrow.

1.5 Finally, your project file was created in your C:\ file on your computer.

2. You need to create 2 tabs using the generate command. Explain the ionic generate command with an example of your screen capture. (**3 marks**)

Answer 2:

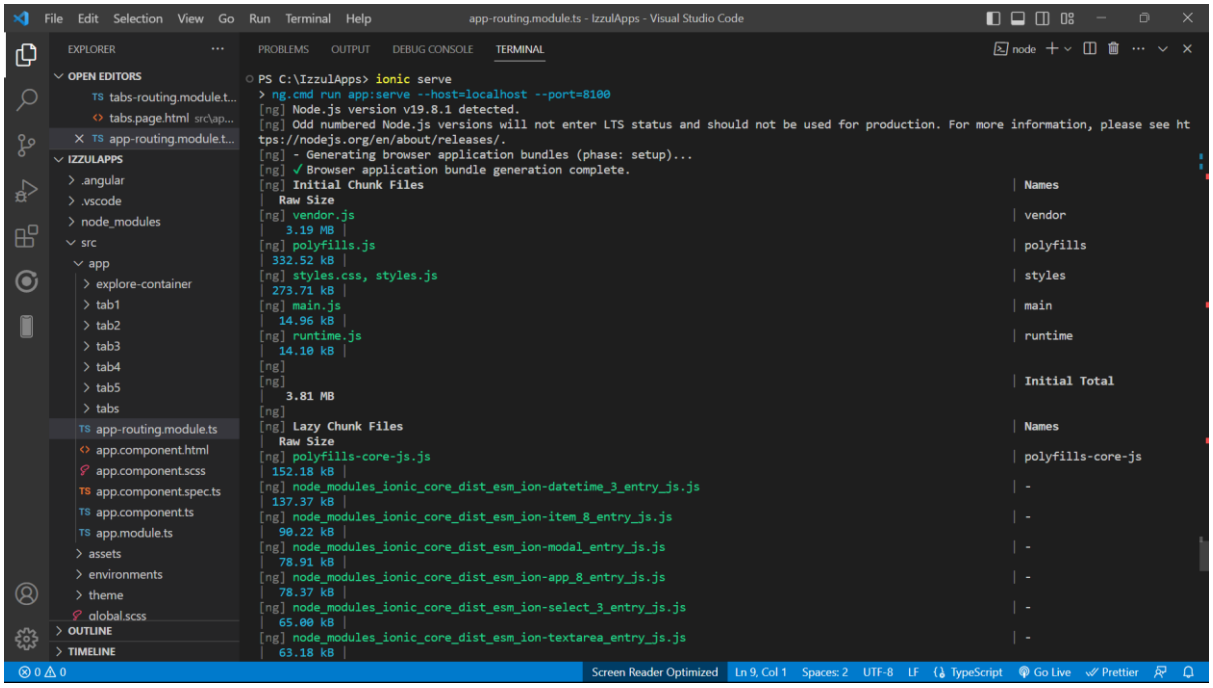


2.0 To create a new tab in your apps, you must enter *ionic generate page tab4* in the VS Code Terminal.

2.1 Do the same thing to add one more tab in your apps, that is enter a command *ionic generate page tab5* in the VS Code Terminal.

3. You need to run your apps using the serve command. Explain the ionic serve command with an example of your screen capture. (**3 marks**)

Answer 3:



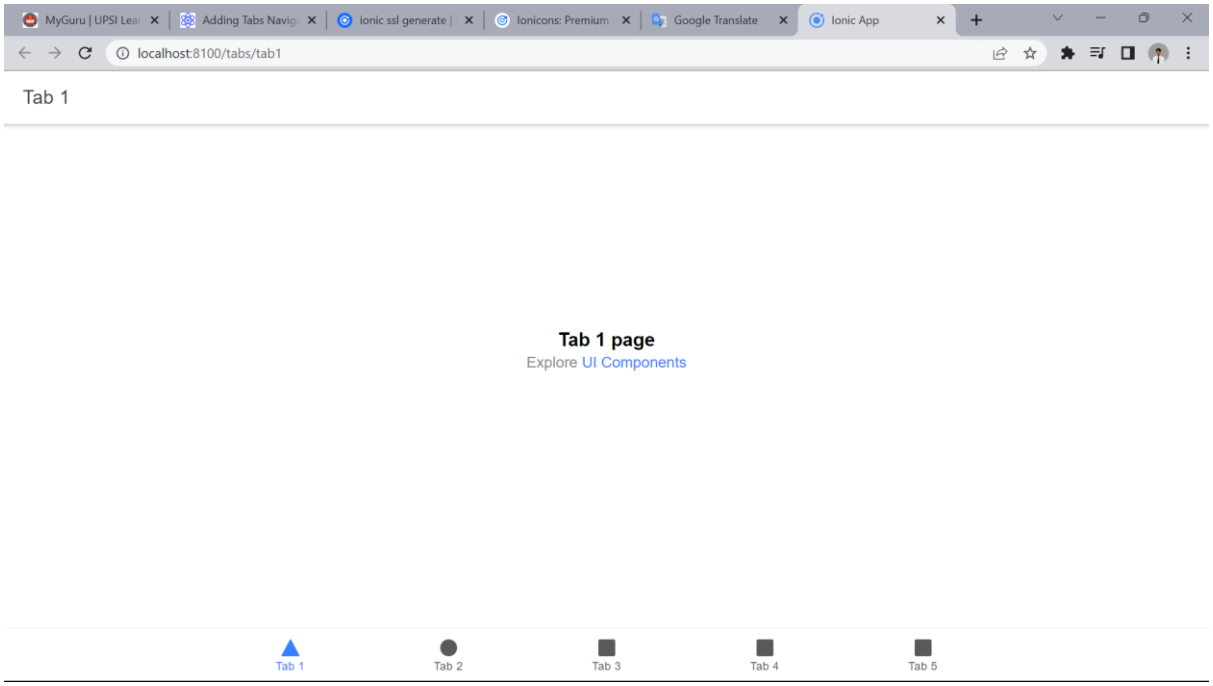
3.0 To run our project file, you must enter a *ionic serve* command on VS Code Terminal.

4. You need to link all the tabs pages in your apps. Copy and paste your code below and capture the your browser screen. (**3 marks**)

Answer 4:

```
      {
        path: 'tab4',
        loadChildren: () => import('../tab4/tab4.module').then(m =>
m.Tab4PageModule)
      },
      {
        path: 'tab5',
        loadChildren: () => import('../tab5/tab5.module').then(m =>
m.Tab5PageModule)
      },
```

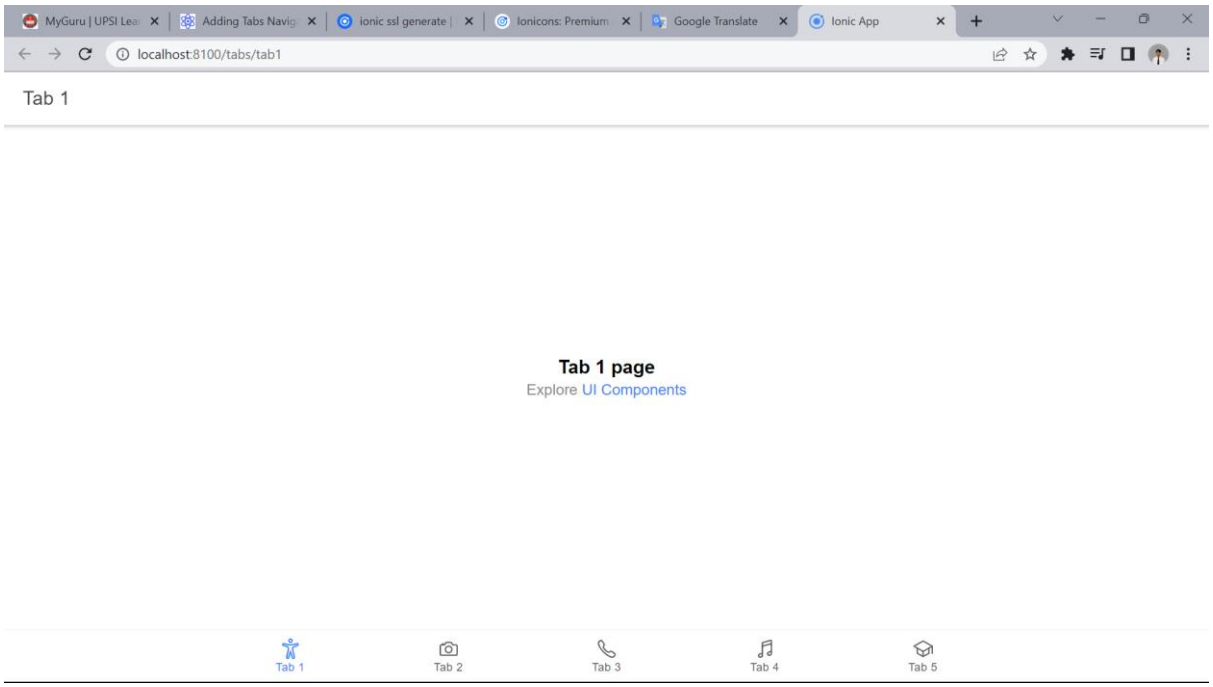
```
    <ion-tab-button tab="tab4">
      <ion-icon aria-hidden="true" name="square"></ion-icon>
      <ion-label>Tab 4</ion-label>
    </ion-tab-button>

    <ion-tab-button tab="tab5">
      <ion-icon aria-hidden="true" name="square"></ion-icon>
      <ion-label>Tab 5</ion-label>
    </ion-tab-button>
```



5. You need to change the icon in tabs according to the ionic Open source icons library (https://ionic.io/ionicons). Copy and paste your code below and capture the your browser screen. (**3 marks**)

Answer 5:

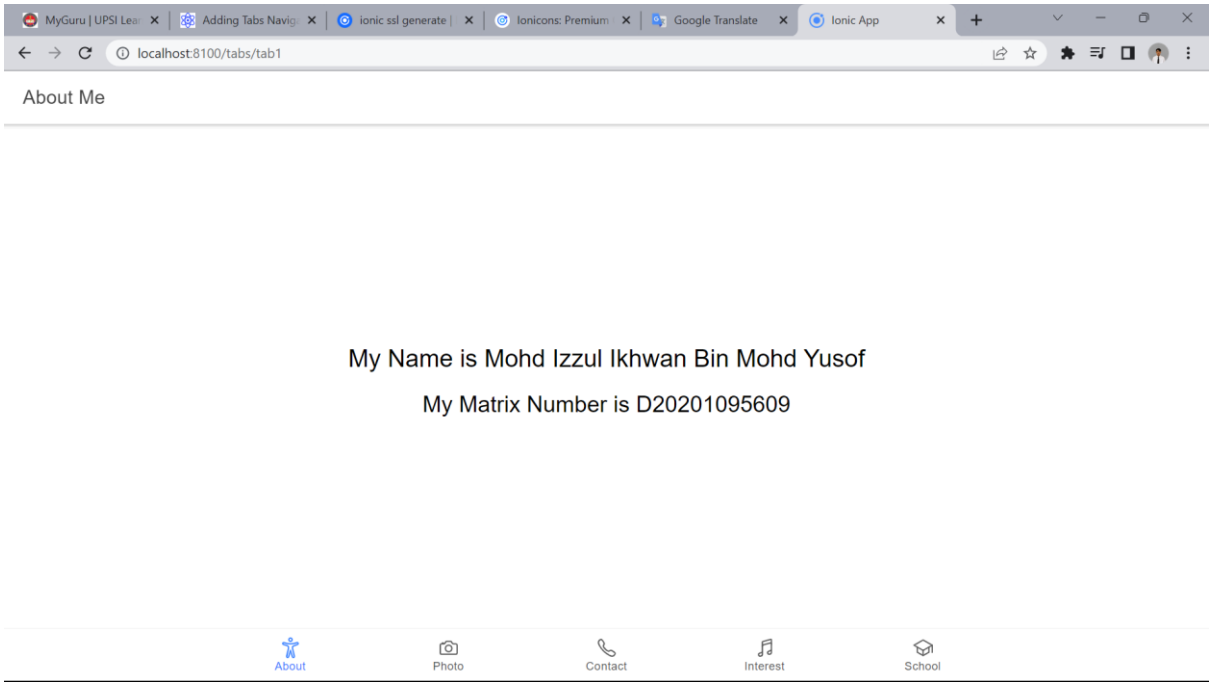
```
<ion-icon name="accessibility-outline"></ion-icon>
    <ion-icon name="camera-outline"></ion-icon>
     <ion-icon name="call-outline"></ion-icon>
<ion-icon name="musical-notes-outline"></ion-icon>
    <ion-icon name="school-outline"></ion-icon>
```

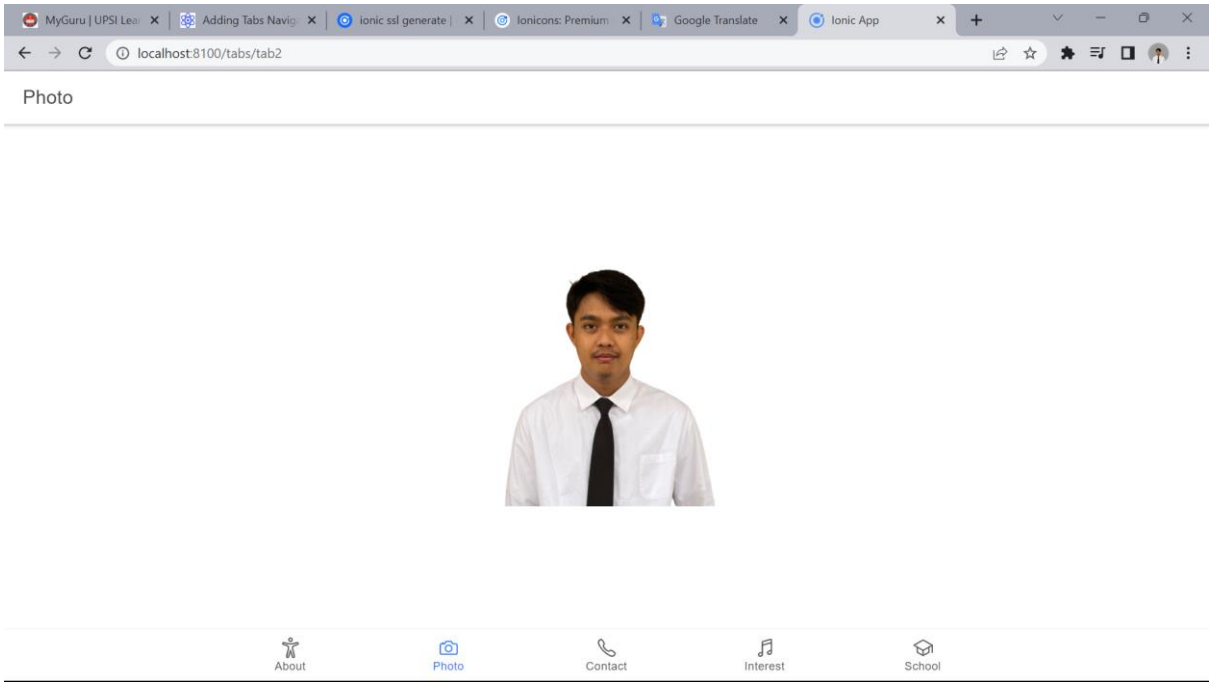


6. You nedd to add in the following information in your tabs accordingly: (**10 marks**)

    1. About [Your Name] - Yourself (Nama, Matrix Number) e.g. About Rasyidi
    2. Rasyidi Photo - Your latest photo (any photo)
    3. Rasyidi Contact Info - Your Contact info (email, hp)
    4. Rasyidi Interest (any of your interest)
    5. Rasyidi School (any school images)

Answer 6:




MyGuru | UPSI Lea
Adding Tabs Navig
ionic ssl generate |
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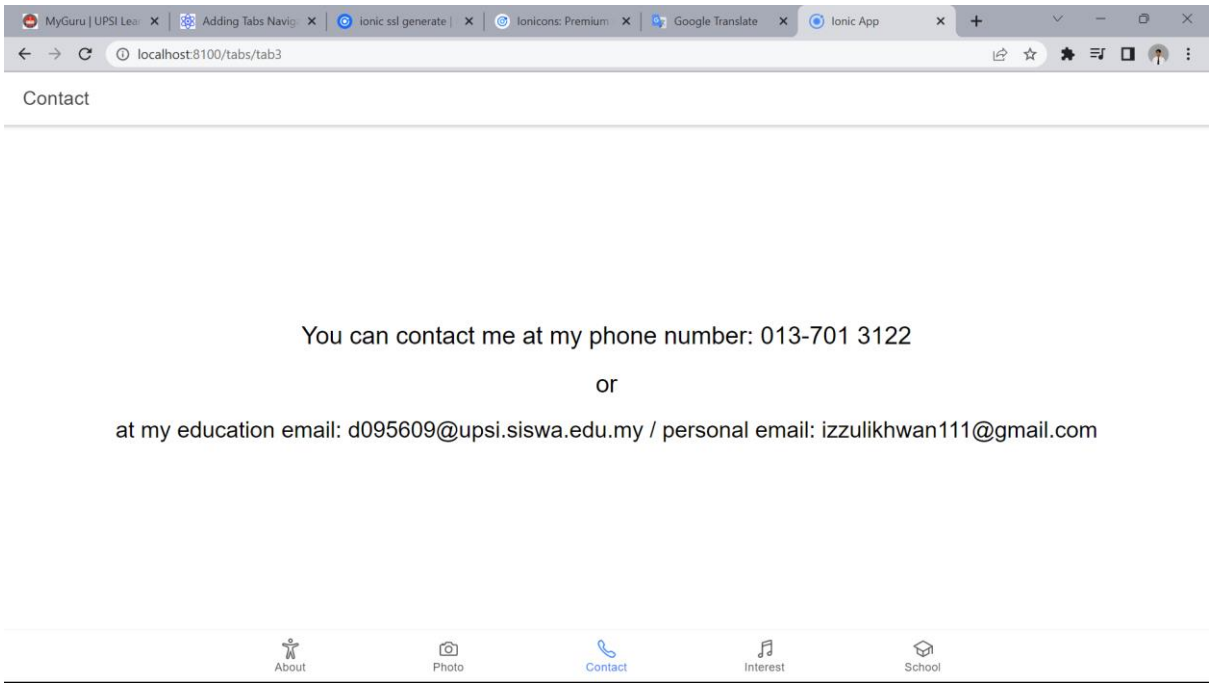
Google Translate
Ionic App
localhost:8100/tabs/tab2
Photo
About
Photo
Contact
Interest
School


MyGuru | UPSI Lea
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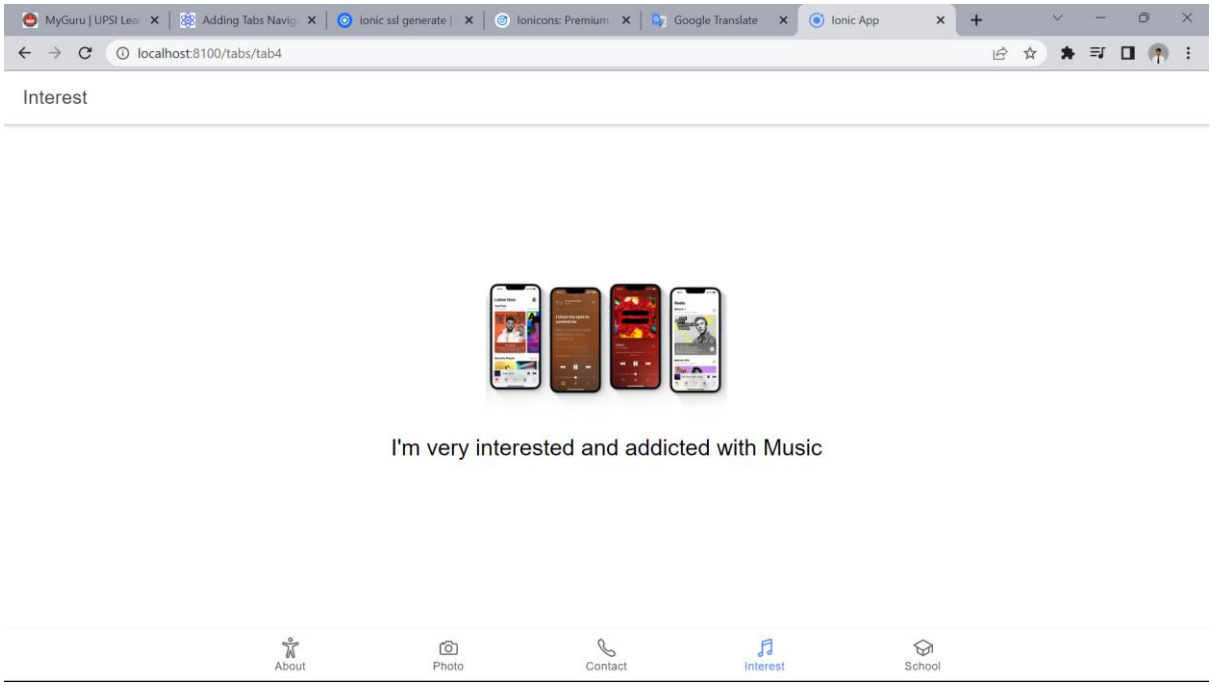
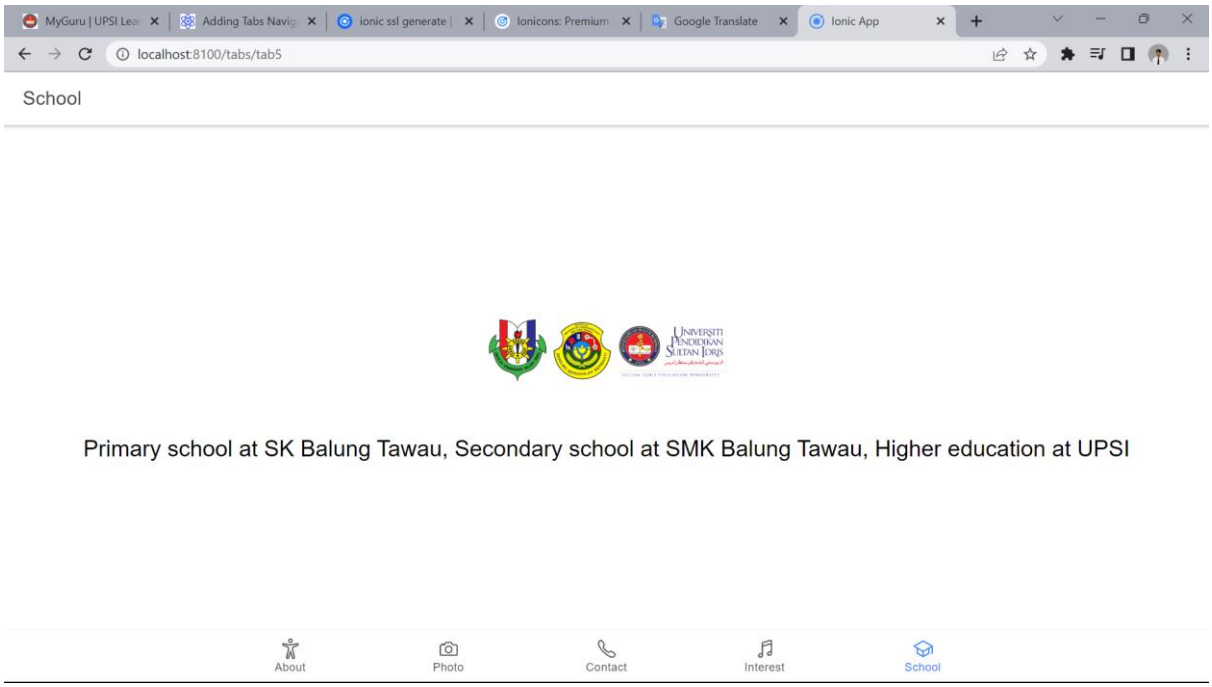
Ionic App
localhost:8100/tabs/tab3
Contact
You can contact me at my phone number: 013-701 3122
or
at my education email: d095609@upsi.siswa.edu.my / personal email: izzulikhwan111@gmail.com
About
Photo
Contact
Interest
School





-QUESTION END-