**REPORT**

**WEB PROGRAMMING**

**A picture containing clipart

Description automatically generated**

**Allam Taju Sarof (05111940000053)**

**Departemen Teknik Informatika**

**Fakultas Teknologi Elektro dan Informatika Cerdas**

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**GENERAL**

Bootstrap 5 is used for layouting purpose. FontAwesome icons is used for decoration. Importing Bootstrap 5 files via CDN:

Text

Description automatically generated

Basic Layouting in Bootstrap 5:

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Description automatically generated

Importing FontAwesome icons via CDN:

Graphical user interface, text

Description automatically generated

Adding FontAwesome icons to the navigation bar for screen with width below 992px :

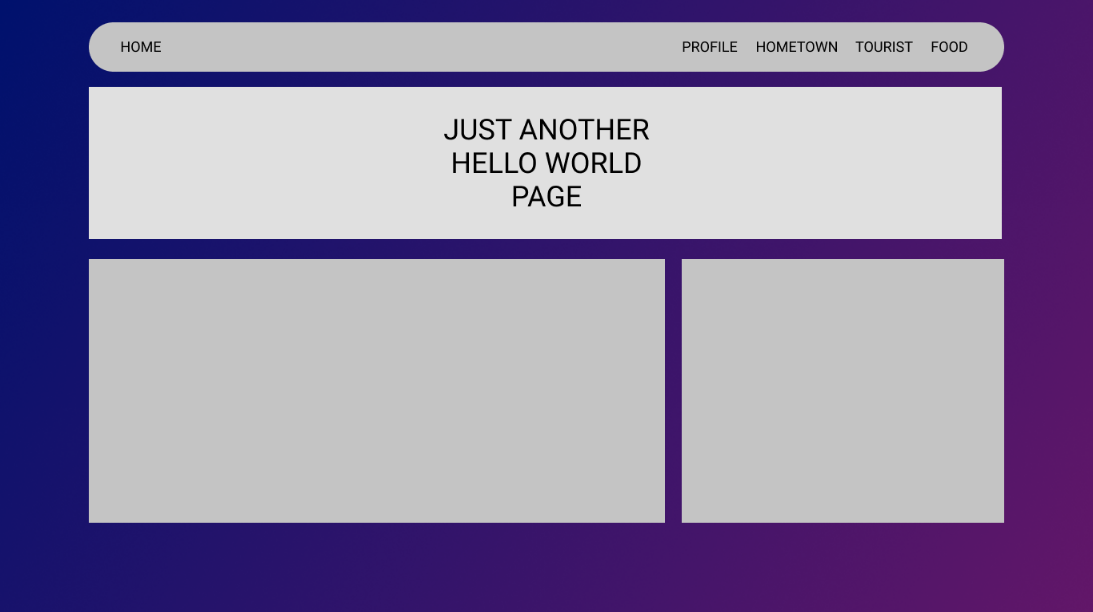
Graphical user interface, application

Description automatically generated



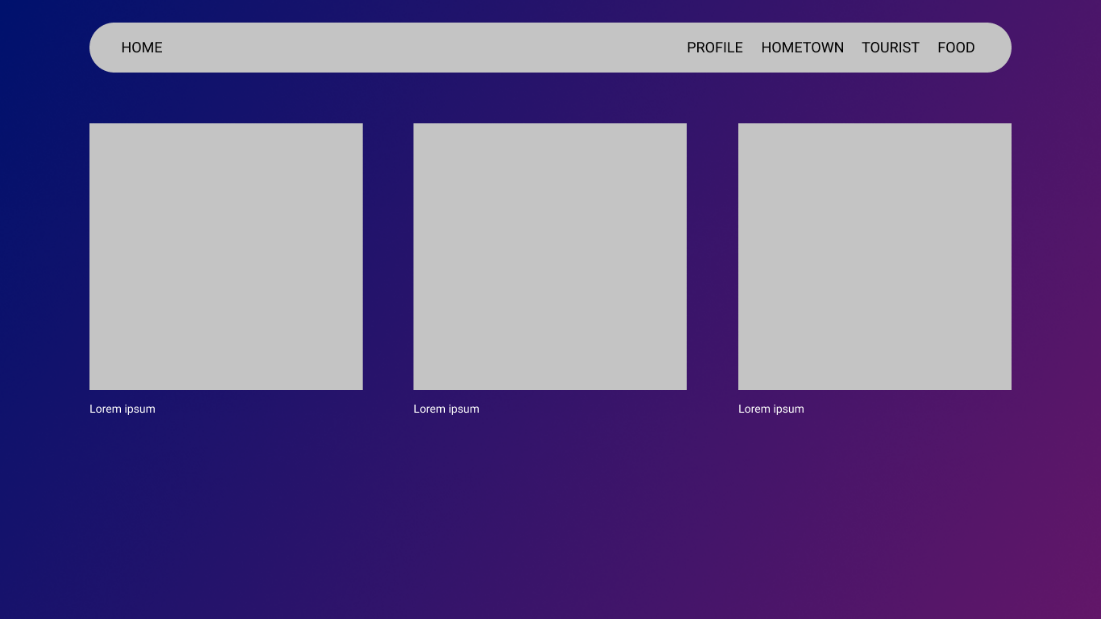
**HOMEPAGE**

The homepage layouts divided by three. The first row of homepage contains navigation bar. The second row of homepage contains a greetings. The third row contains short detail of this page and this row is divided into two-column with 2: 1 size.



**FOOD PAGE**

The food page contains two rows which is the navigation bar on the first row and some foods description on the second row.



**PARALLAX PAGE**

The parallax page screen resolution is 16 : 10.8 . Added brief description about the particular topic at the center and below of it.



Javascript program used to create a parallax effect. The idea is to change the position of the picture fragments. The position changed relative to the scroll pixel. If the fragment is close to the viewer’s perspective, it would move quickly. If the fragment is far from the viewer’s perspective, it would move slowly.

Graphical user interface

Description automatically generated

The Javascript program fetch the element of the HTML using its ID. The HTML elements need to declare its ID for parallax purpose.

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Description automatically generated

To make the picture fragments overlapping, the CSS code must declare the position property with ‘absolute’. The z-index property is needed to set the parallax images to be behind the other elements.

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Description automatically generated

**DEPLOYING WEB**

I used Heroku and github for the server. To deploy on Heroku, first step is to register to its web. Second step is to download the Heroku CLI. Third step is to create new app through the Heroku dashboard.

Graphical user interface, text, application, chat or text message

Description automatically generated

Then, loging in via CLI.

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Description automatically generated

Pushing the files to Heroku git.

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Description automatically generated

Finally, the web is ready.

Graphical user interface, website

Description automatically generated

**LINK**

Repository : <https://github.com/Allam0053/quiz1>

Web : <https://pweb-allam.herokuapp.com/quiz1/>