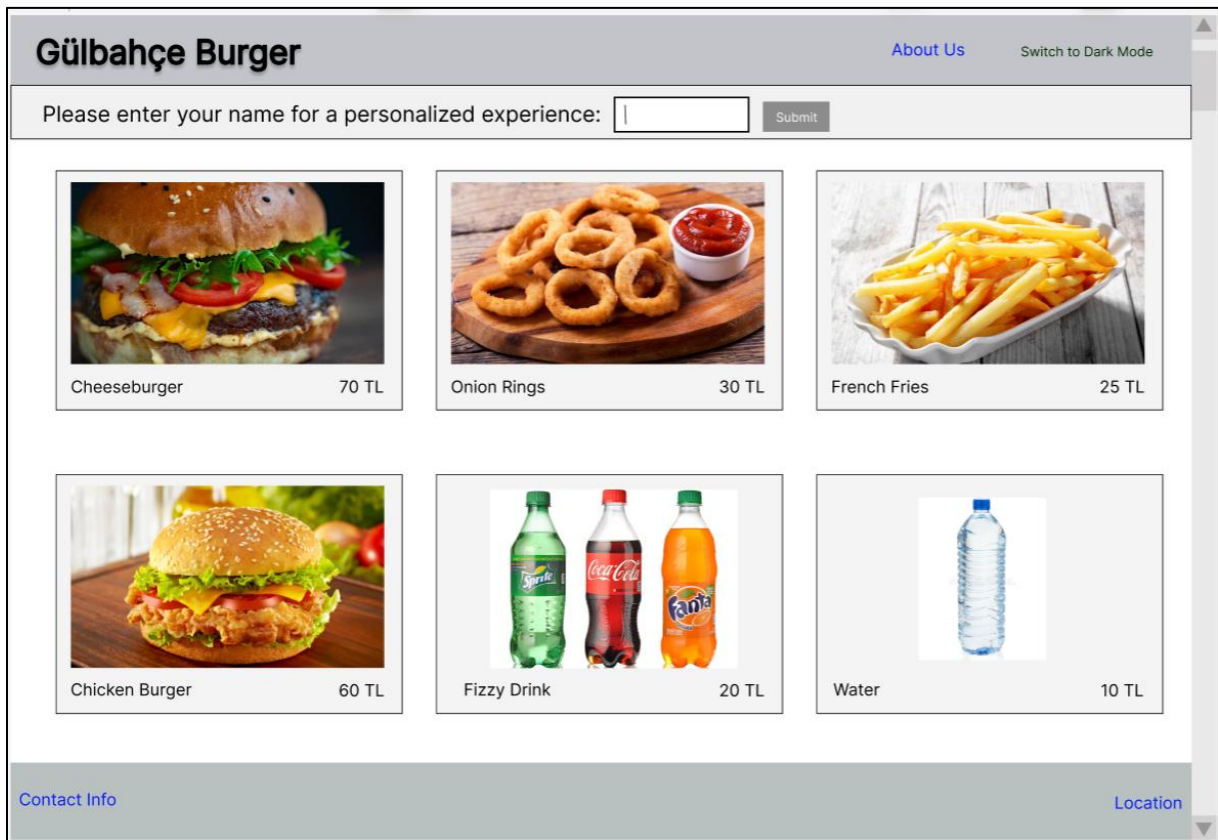# CENG388 Web Programming

2022-2023 Spring

Homework #2
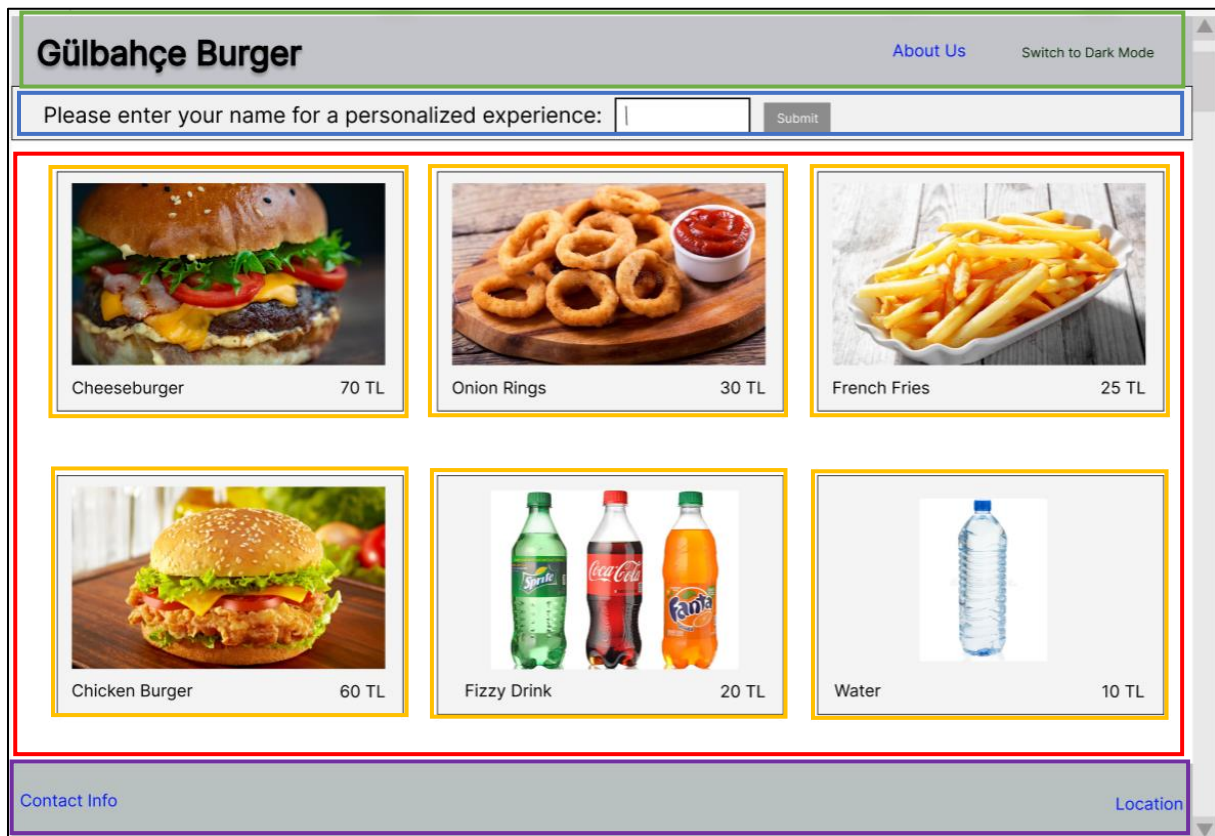
Due date: 14.05.2023, 11:59 pm

In this homework, you are expected to implement the single webpage from homework #1 using React framework. The screenshot below is shown as a reminder of the webpage layout you are expected to follow. However, there will be slight alterations to the new webpage you are going to implement.
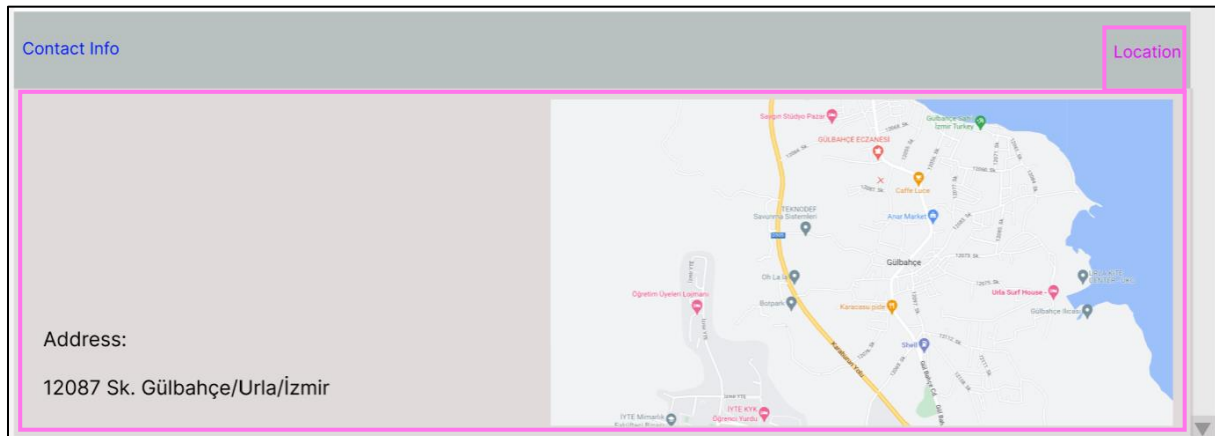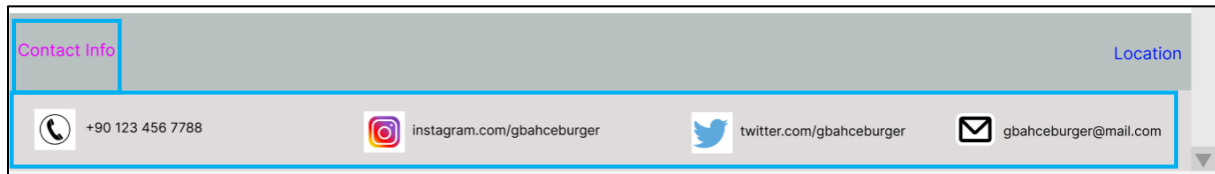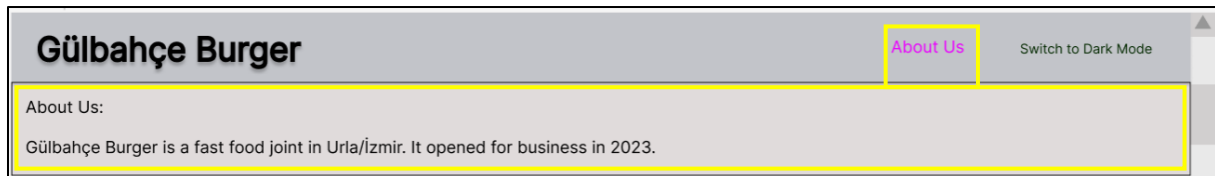

- In this homework, the webpage style details like color palette and font types are left up to you as long as; (1) you don't change the layout of the webpage and (2) your style choices are within reason. In other words, you are free to choose any css library and style as long as you don't violate these two conditions. Note that we will be much stricter while checking the layout compared to the first homework.
- (Bonus 5 points) Dark mode button and implementation is now optional, but those who chose to implement this feature will get 5 bonus points. However, your total grade won't go above 100.

- Since this webpage will be implemented using React, we expect you to implement these components we specified below:
  - Header: Same as before but written as a React component.
  - Footer: Same as before but written as a React component.
  - NameBox: Same as before but written as a React component.
  - AboutUs: Same as before but written as a React component. It still should be invisible by default. It becomes visible (by sliding rest of the page) between NameBox and Header once the button is clicked. Button color change is also should stay the same, however colors are left up to you.
  - Location: This button follows the same logic described in AboutUs component.
  - ContactInfo: This button follows the same logic described in AboutUs component.
  - MenuItem: This component will show menu items like "Cheeseburger". Do not individually write a component for each menu item. Instead write a generic menu item component that shows the item's name, price and picture depending on the input it receives.
  - MenuList: Contains all of the 'MenuItem's dynamically. You need to read the menu items from the menu_items.txt and create a 'MenuItem' for each of them. If the txt file contains 11 items, your webpage should display 11 items. The webpage should always show menu items in 3 columns. If the total number of items is not divisible by 3, last row of items should be aligned to the left.

Below, you can see webpage screenshots that show the components. The components are marked and separated using colored rectangles.

Color Correspondences:
Green → Header
Dark blue → NameBox
Red → MenuList
Orange → MenuItem
Purple → Footer
Yellow → AboutUs
Light blue → ContactInfo
Pink → Location

The menu_items.txt file has the following format at each line: <item_name>,<item_price>,<item_picture_path_relative_to_txt_file>.

We will make sure if your MenuList component can show the menu items dynamically by changing contents of menu_items.txt. You should check whether your webpage can correctly display menu items when you delete some of the lines from menu_items.txt.

You can find the pictures inside the attached zip file like before. The pictures related to Location and Contact Info buttons are found inside "extra_pictures" folder. The pictures related to menu items are provided are found inside "menu_pictures" folder. Alongside these folders, there is a menu_items.txt for the MenuItem components.

Submission Rules:

1. You should submit your assignments through Teams until due date. No late submissions will be accepted.
2. You have to submit your solution in a single zipped file. It should be names in the following format: "ceng388_hw2_studentID.zip".
   For example, "ceng388_hw2_123456789.zip"
3. Cheating or collaborative work with others will not be tolerated and will be considered a zero grade.