Midterm Exam

Term: Summer 2021

Course: 3380-002

Coding Question 1:

Instructions:

Please pay attention that asides from this coding question, there is another coding question and a MCQ part, as summarized below.

1- MCQ (6 marks)
2- Program 1 (11 marks)
3- Program 2 (8 marks)

Check Blackboard for the MCQ questions and the other coding question.

Description for the Coding Question challenges are as follows:

You need to develop each in separate folders. When your program works, make sure all supporting files and assets are properly organized. If there are multiple ways to write a program, you should follow what was instructed and discussed during the term in the classes. Ultimately, you are marked for a working program. Partial or non working code will not get any marks.

For Node.js and Express.js programs, please delete the **node_modules** folder, but make sure you have all dependencies listed in your package.json file. I will rebuild your project. Your folder should be submitted in a way that I can rebuild your project by npm install and be able to run your program to be able to give you marks.

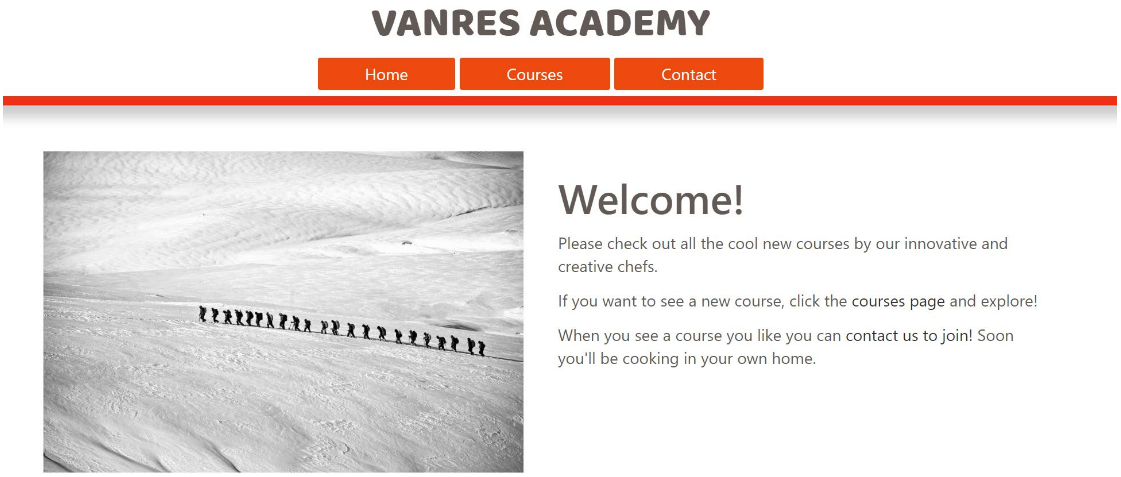
Resending files after the exam is not accepted even if you send a wrong file.

Question 1 (total 11 marks):

In the Folder “confetti_cuisine Start Files” there are some assets including all .html, .css, and .js files that you can use for this exercise. Your task is to create a web app by using Node.js/Express so that your site will run on localhost:3000. The app will behave as described below:

There are 3 main pages. You can check the html files in the public>html folder. There is also Thank You page for responding to Contact Form POST. Your main pages look like as in the following:

Home:



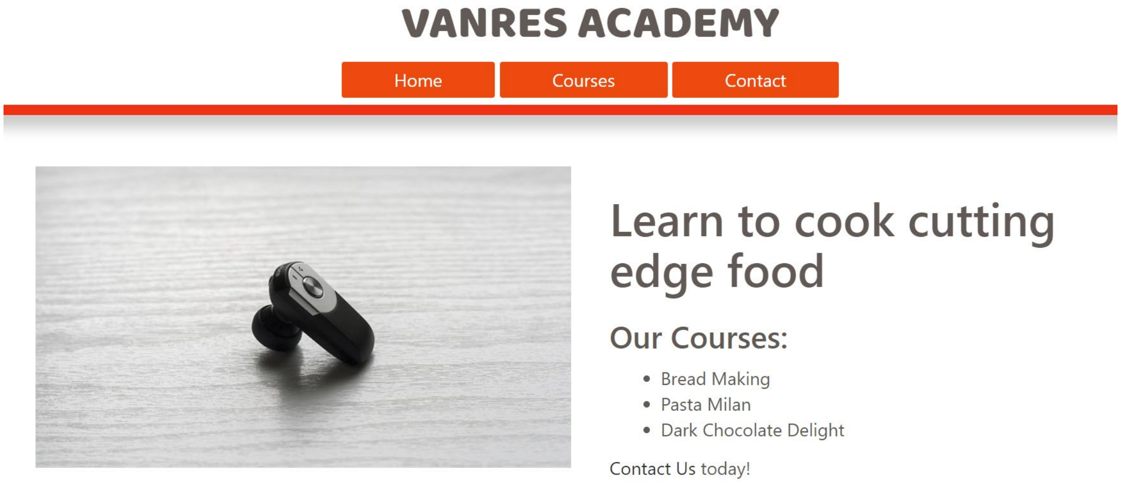
Welcome!

Please check out all the cool new courses by our innovative and creative chefs.

If you want to see a new course, click the courses page and explore!

When you see a course you like you can contact us to join! Soon you'll be cooking in your own home.

Courses:



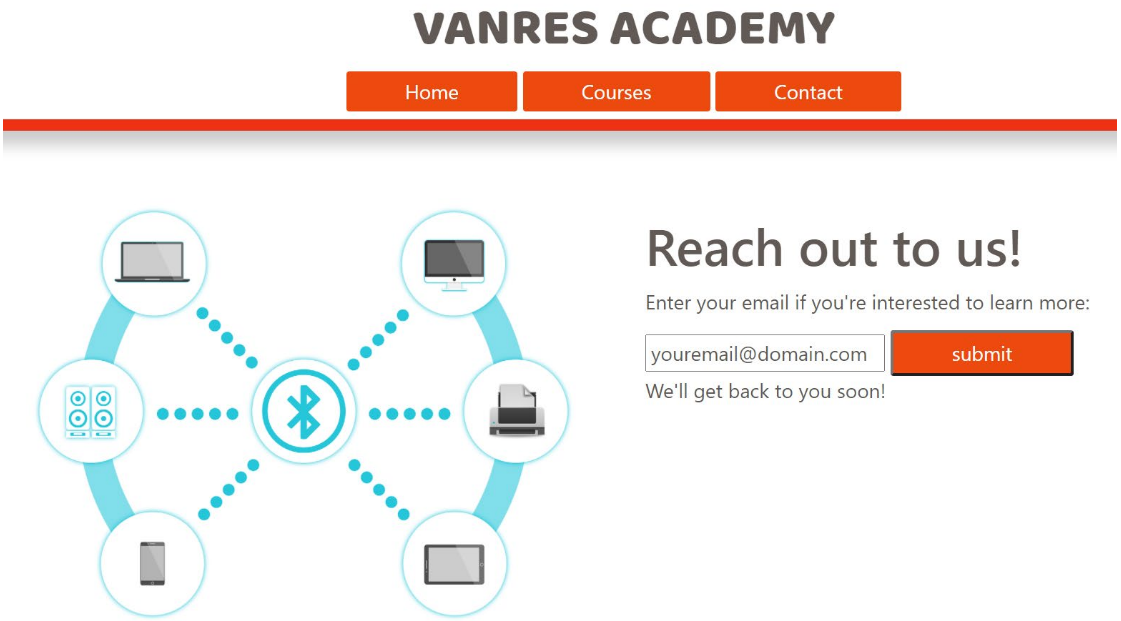
Learn to cook cutting edge food

Our Courses:

- Bread Making
- Pasta Milan
- Dark Chocolate Delight

Contact Us today!

Contacts (you can change the youremail@domain.com, just shown for guidance):



VANRES ACADEMY

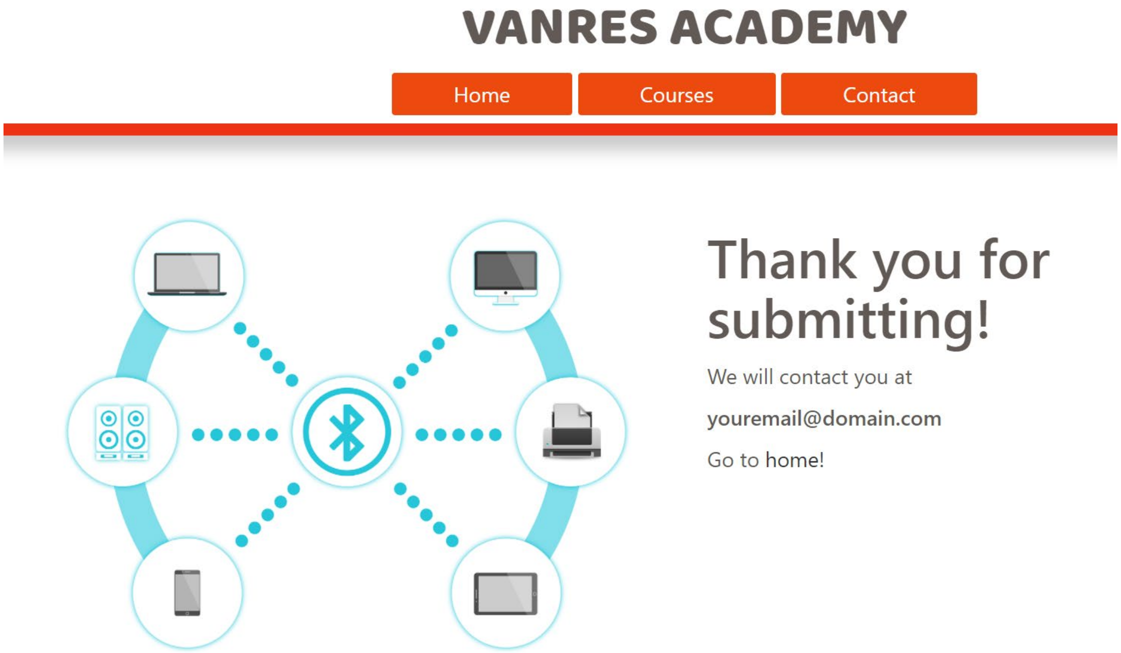
Reach out to us!

Enter your email if you're interested to learn more:

youremail@domain.com

We'll get back to you soon!

Thanks (should show the email entered in the Contact Form):



VANRES ACADEMY

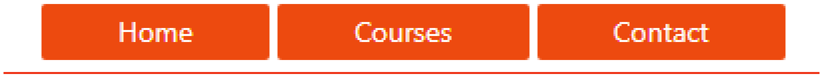
Thank you for submitting!

We will contact you at

youremail@domain.com

Go to home!

Each one of the pages correspond to one of the buttons on the header part of the page:



Your tasks:

You get complete mark, if you create a webapp that:

1- Creating webapp using Node / Express with buttons linked to correspond to routes to each page separartely. You must return existing html files statically to get marks for this section including POST response for Contact. **(3 marks for html)**

2- uses pug or ejs templates instead of html files **(2 marks + 1 for post)**

3- "thanks" page correspond to the email you enter in the contact input box **(2 marks)**

4- Import vanresjson.json file for course lists and read the courses from the json data. (I will change the data with different values to test if your program work). **(3 marks)**.

The following steps may be helpful to create application logic in main.js.

1- Add custom assets, and create views.

2- Code the router for each button.

3- Code the Post for the contact page.

4- Program your template files and bind data for the contact POST response to your app.

5- Run the application and make sure by excuting "node main" in terminal, the web page runs on localhost:3000.