

 جامعة العلوم والآداب اللبنانية UNIVERSITY OF SCIENCES & ARTS IN LEBANON	Faculty of Sciences /Computer Dept. React Exam (Spring/2022-2023) CSCI315 – Web Application Development		Code: EXM-FR 02/1 ED:2.1
	Instructor Name: Abdullah Abbas Section: A	Exam Type: Computer Based Allowed Tools: Lab Exercises	Booklet Needed: No Exam Date:29-May-23
Exam Time: 3:45 pm – 5:45 pm		Grade:/100	

Introduction

You are required to create a CRUD React website consisting from 4 pages that use API requests as described below.

The website manages/shows information about a list of posts.

When you finish you have to compress all your files and submit it to Moodle.

Which API to Use?

You will use the following API base URL:

<https://jsonplaceholder.typicode.com/>

This API supports GET, POST, PATCH, and DELETE requests.

/posts *Gets the list of posts*
/posts/1 *Gets the post whose ID is 1*

Each post has an **id**, a **title**, and a **body**. A JSON response for a post looks as follows:

```
{
  "id": 1,
  "title": "aaa",
  "body": "Some text here."
}
```

Note: Data will not be really updated or deleted from the server when you try to do so. Write your code assuming that it will happen, but it will not really happen.

Getting Started

Prepare your React environment to start developing the website.

Make sure you install **Bootstrap**, **Axios**, **SweetAlert2**, and any other tools you may need.

Organize your files and folders properly. The names of the files corresponding to your pages **MUST** be as follows:

- **PostList.js**
- **PostShow.js**
- **PostCreate.js**
- **PostEdit.js**

Final Result of your Website

Your website should consist of 4 pages that looks as shown in the following images.

Index Page:

List of Posts

Create New Post			
ID	Title	Body	Action
1	aaa	Some text here.	<a>Show <a>Edit <a>Delete
2	bbb	Some text here.	<a>Show <a>Edit <a>Delete
3	ccc	Some text here.	<a>Show <a>Edit <a>Delete
4	ddd	Some text here.	<a>Show <a>Edit <a>Delete
5	eee	Some text here.	<a>Show <a>Edit <a>Delete

Show Page:

Post Details

List of Posts	
ID:	2
Title:	bbb
Body:	Some text here.

Create Page:

Create New Post

List of Posts	
Title	<input type="text"/>
Body	<input type="text"/>
Save Post	

Edit Post

List of Posts

Title

Body

Update Post