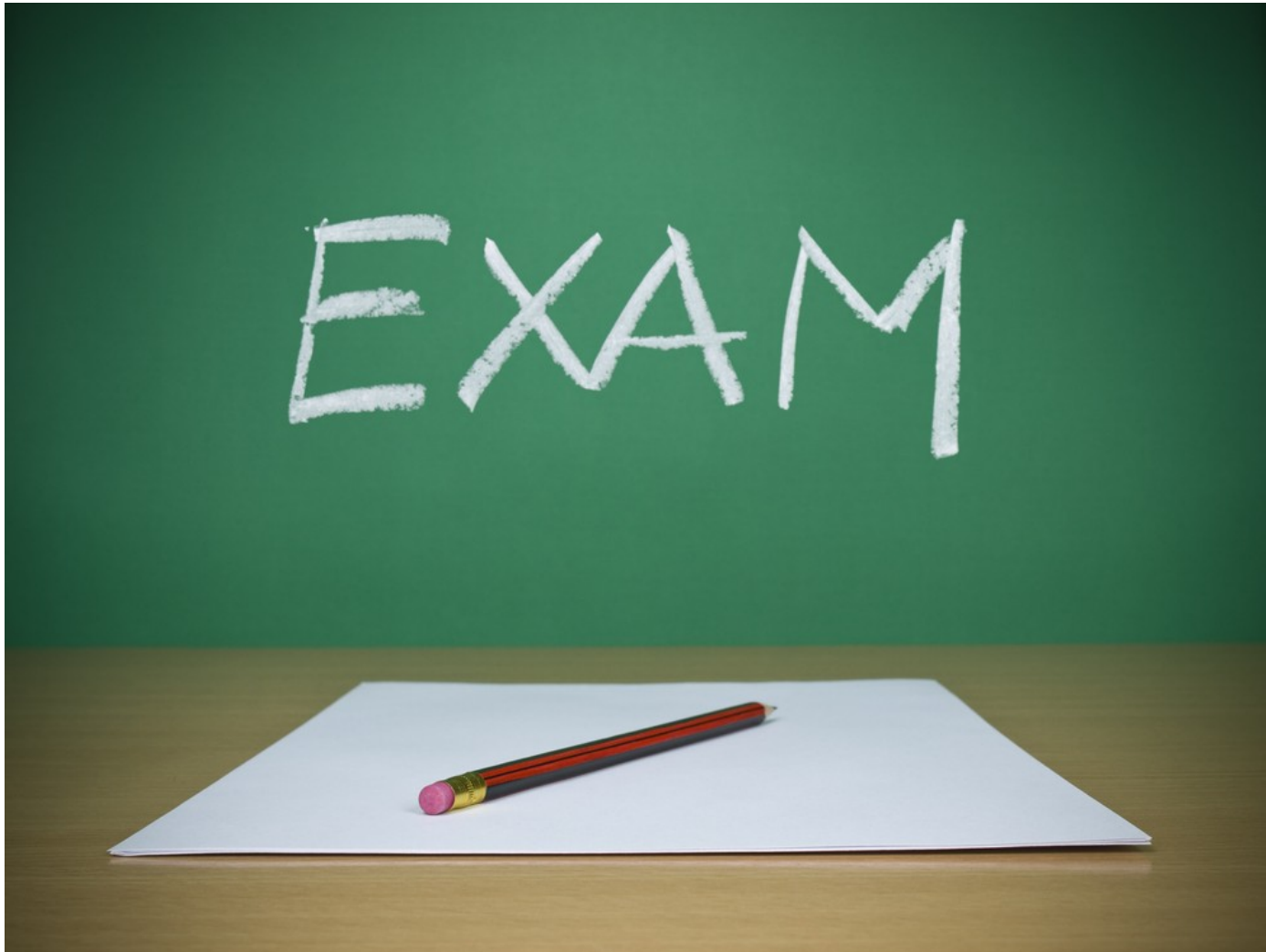


# CS385 Mobile Application Development (Lab Exam #1 Guidance)



# Lab Exam #1

- **When:** Friday 10<sup>th</sup> November 2023 11:00 – 12:00
- **Where:** Your CS385 lab location
- **How:** OPEN BOOK, using Moodle MCQ quiz
- **Why:** Lab Exam #1 is worth 15% of your C/A

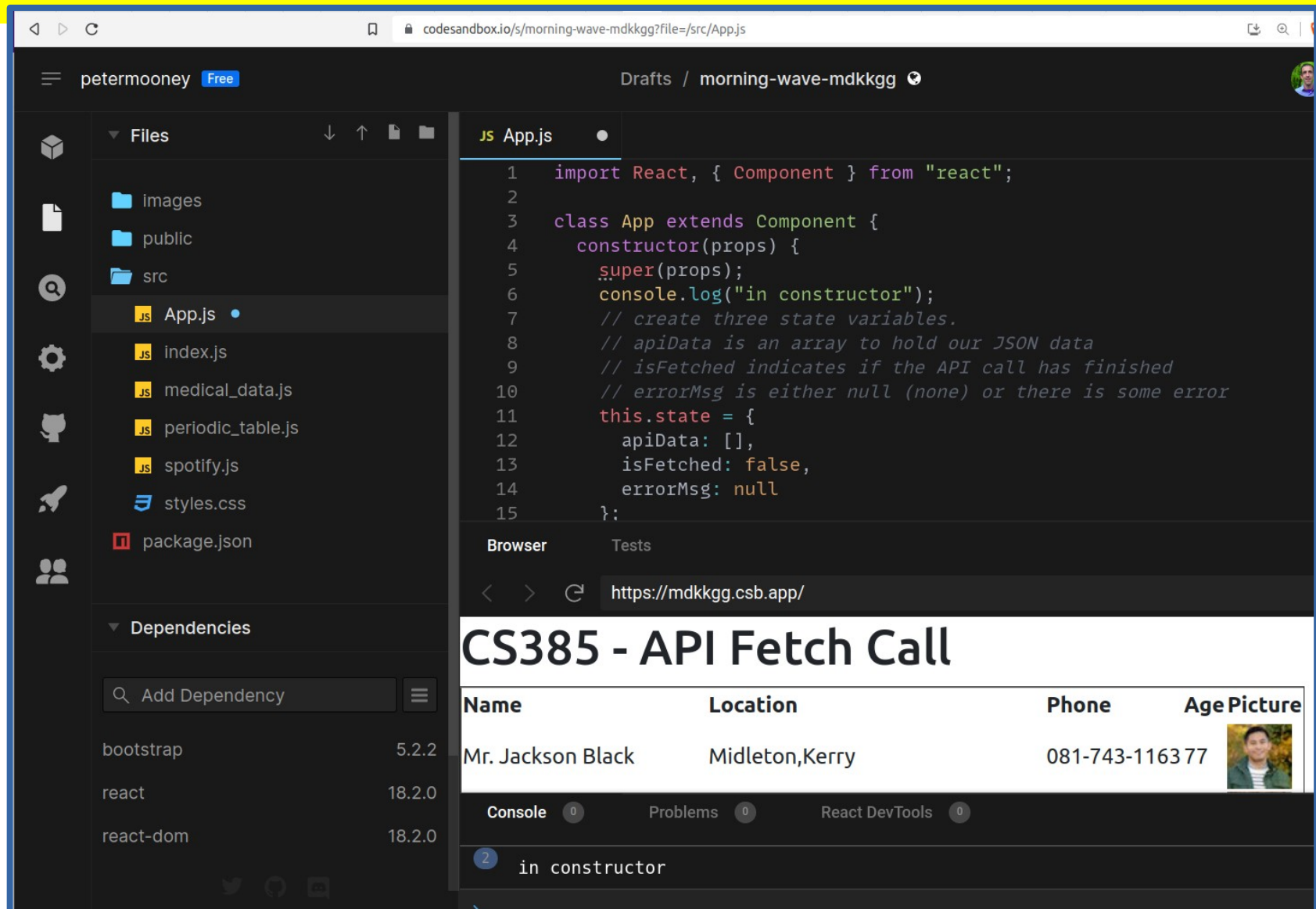
# Lab Exam 1 – The rules

- **60 minutes** – Quiz is between 11:00 and 12:00
- **12 MCQ questions** – one correct answer per question.
- You can only attempt the quiz once.
- You can use ANY of your CS385 materials – Moodle, notes, lecture notes, sample, code etc.
- **ABSOLUTELY No use of Google, ChatGPT, BingChat, StackOverFlow, Codesandbox, messaging apps, etc.**
- I will supply you with some writing paper (for rough work), if you need it.

# All Lab Exams in CS385 are open book exams

- You may access Moodle for CS385 content.
- You can also use your own written notes, your own solutions to Labs, and so on.
- **Moodle is the only website that should be open on your computer/laptop.**
- **You cannot use CodeSandbox or any IDE environment (or otherwise) capable of evaluating React Javascript.**


# Absolutely no usage of Codesandbox.io



The screenshot shows a Codesandbox.io workspace for a user named 'petermooney'. The workspace is titled 'Drafts / morning-wave-mdkkgg'. The left sidebar shows a file explorer with folders 'images', 'public', and 'src', and files 'App.js', 'index.js', 'medical\_data.js', 'periodic\_table.js', 'spotify.js', 'styles.css', and 'package.json'. The main editor shows the code for 'App.js'.

```
1 import React, { Component } from "react";
2
3 class App extends Component {
4   constructor(props) {
5     super(props);
6     console.log("in constructor");
7     // create three state variables.
8     // apiData is an array to hold our JSON data
9     // isFetched indicates if the API call has finished
10    // errorMsg is either null (none) or there is some error
11    this.state = {
12      apiData: [],
13      isFetched: false,
14      errorMsg: null
15    };
16  }
17 }
```

Below the code editor, there is a 'Browser' tab showing a preview of the application. The browser address bar shows 'https://mdkkgg.csb.app/'. The application displays a table titled 'CS385 - API Fetch Call'.

| Name              | Location        | Phone           | Age | Picture   |
|-------------------|-----------------|-----------------|-----|---|
| Mr. Jackson Black | Midleton, Kerry | 081-743-1163 77 |     |  |

At the bottom, there is a 'Console' tab showing the log output: 'in constructor'.

# Lab Exam 1 – SEATING ARRANGEMENTS

- You will be RANDOMLY assigned to one of the ROWS in the lab. This list will be posted on Moodle and printed in the lab
- There is LOTS of room in the lab.
- Unless it is impossible, PLEASE try to keep ONE computer space between you and the next person.



# Yes, you can use your own laptop or table device



# Lab Exam 1 - CONTENT

- **Lab Exam 1 will contain:**
  - All materials from Lab 1 to Lab 4 (inclusive)
  - All materials from Lecture 1 to Lecture 10 (inclusive)
  - **No NEW materials from Lecture 11 or 12 will be examined in Lab Exam 1**



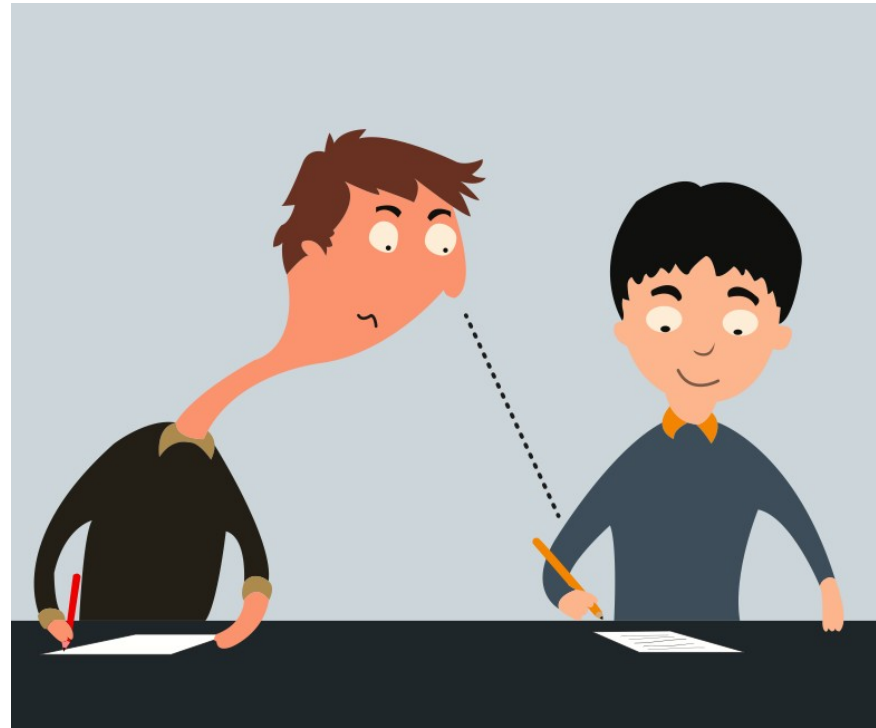
# Lab Exam 1 – some background information

- Every question, where applicable, has been written and tested in Codesandbox.
- Every question has exactly ONE correct answer!
- **The rendering style (bold, H1, h2) of output in questions is irrelevant.** All questions focus on the data output rendering.
- The questions have the style of a software test check on code.
- You can assume every app shown fully works.

# Lab Exam 1 – will be password protected

- Password provided at 1100.
- **DO NOT DISTRIBUTE** this password to any CS385 who have decided (without informing me) that they will take the exam remotely.
- Moodle Log files can easily show students who took the exam in the Lab and those who took the exam in some other location than our CS385 Lab.
- A mark of zero will apply for these cases.

**Please note – everyone gets the same questions – IN DIFFERENT ORDER – so there is ZERO point trying to copy the person beside you**



# A demo lab exam will be available

- During reading week (mid-term break) – demo lab exam quiz will be provided on Moodle.
- There are NO C/A marks associated with this quiz.
- **This quiz has a duration of 10 hours** – the clock starts counting down when you open the quiz.  
**You can take the quiz at any time you wish**
- This quiz will help you become more comfortable with the Moodle MCQ environment. You will also see the standard of questions you are likely to be asked.