CS385 Mobile Application Development (Lecture 21)

[Final Project Update]

100% CA Module – No Final Exam

- **3** Lab-based Exams – each worth **15% CA**

- **4** Lab submissions – each worth **2.5% CA**

- A Group-based Project (**45% CA**)

- **You MUST achieve an overall CA of 40% to pass the module for Credits.**

Group Project – Breakdown of Marks for 45% C/A

The breakdown of your project 45% Continuous Assessment		
Delivery of a fully working React Mobile Application	Details of the fully working application will be discussed in lectures. Delivery means that the application works as expected when the source code is evaluated in **codesandbox.io** (or equivalent).	**25%**
Screencast video	Screencast delivered within the specifications provided (overall time, format, etc). Details will be available on Moodle.	**5%**
Delivery of source code	Souce code MUST be provided in a ZIP file and uploaded to Moodle. Source code should be well organised and commented appropriately.	**5%**
Project engagement*	**Attendance at Friday group project labs.** * Note: Project engagement will be allocated to individuals within groups. Individuals who are not contributing or engaging in the project **score zero** in this category.	**10%**
Total 45% Continuous Assessment		**45%**

Project Grading Rubric is available on Moodle (project section)

What does minimum three functionalities mean?

- Simply put …. ==what are the things that your application can actually do?==

  - Read from an API?

  - Read from a database?

  - Read from an external JSON source?

  - Use conditional rendering?

  - Implement project specific sorting and filtering?

  - Use a selection of User Interface elements (input box, buttons, drop-down-list, etc.)

  - Parent-child communication

  - Uses multiple components

  - Include backend computation or algorithms (your own)

  - Use of React Router

3 is the magic number
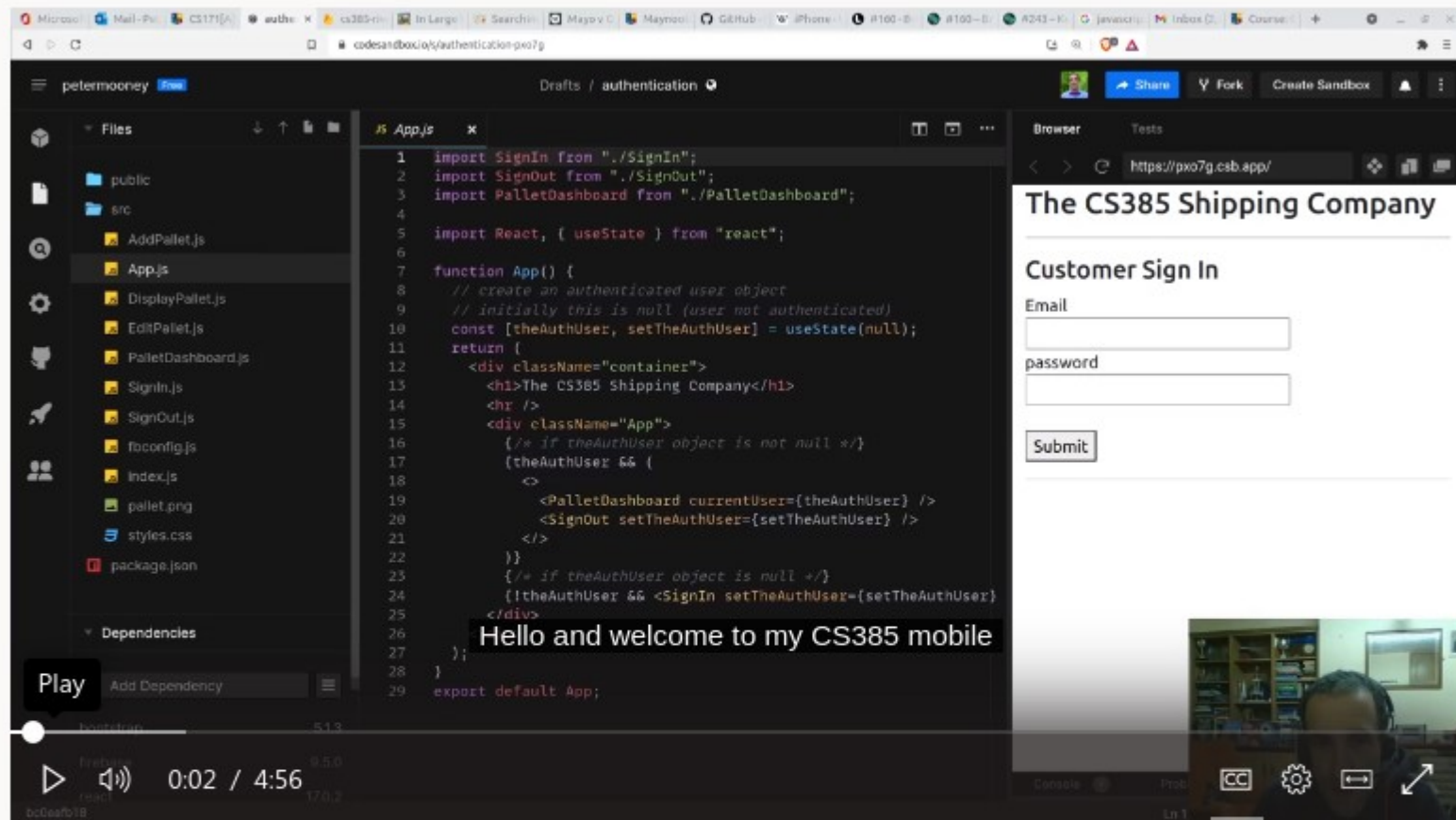
How I evaluate your application

Delivery of a fully working React Mobile Application	Details of the fully working application will be discussed in lectures. Delivery means that the application works as expected when the source code is evaluated in **codesandbox.io** (or equivalent).	25%

- **If your app delivers the min 3 WORKING functionalities – then you get 10% (that's 40% of 25%!) - The application has PASSED**

- The REMAINING 15% (that's 60% of 25%) is evaluated on the overall application

  - A working application

  - How the functionalities blend together

  - What the application does [for example – the functionality for an API is not just included to meet the minimum requirement]

5% – Screencast Video

- **Lightning talk format – 3 minutes to 5 minutes maximum duration.**

- Your screencast video should show a demonstration of your application working (running in `Codesandbox.io` or otherwise)

- There will be audio in the screencast where you provide commentary on how the application is running and what the application is doing

Sample Screencast available

CS385 - An example of a suitable screencast video for your CS385 project

Published on 29/11/2021 by Peter Mooney   Limited   0 ▷   0 ♡

Delivery of project code – 5%

- **You MUST upload your application source code within a ZIP file. This must be uploaded to Moodle.**

- Yes, you can have a GitHub repository or otherwise. However, we need a ZIP file uploaded as EVIDENCE of your work.

- **Your source code should be well organised and commented appropriately.**

10% – Project Engagement

- I will be in the lab every week and it is my intention to briefly talk with every group.

- Attendance will be taken for group project work.

- **Project engagement is an INDIVIDUAL grade** – therefore group members who are not attending group labs (without certified reasons) will obtain a reduced grade in this section.

Submitting and uploading your Group Project

- **Everything must be uploaded inside ONE ZIP file on Moodle. ONE NOMINATED GROUP MEMBER should take responsibility for uploading your project**

- If using node.js please DO NOT include Node_Modules in the ZIP file. It will take lots of time to EXTRACT the zip file.

- **Remember I have 25 projects to correct.**

- **Github links are fine but your ZIP must include your src code.**

Submitting and uploading your Group Project (2)

- **If you use Authentication,** make sure you let me know the credentials for a sample user

- **If you have a specific react library** (installed by npm install) which may cause difficultly, please leave a note about this.

- **If there is a specific app detail that I will need to know** in order to (1) get your app started or (2) actually use the app…. then leave a note about this in the Zip file.
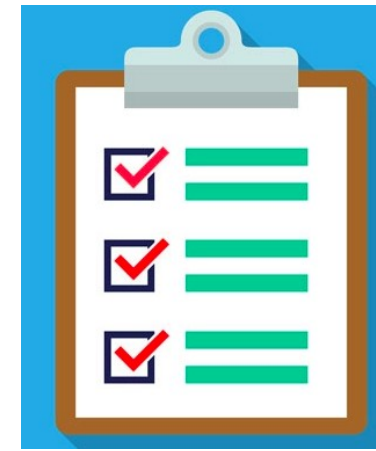
What if our code is not running?

- **ABSOLUTELY still submit your project**

- Outline in your screencast the FUNCTIONALITY that you had intended to deliver.

- Outline in your screencast the CODE that you have written in an attempt to deliver this functionality.

- Perhaps, give some synopsis of why you think that the code is NOT running?

What if I have just TWO functionalities?

- **This is OK – the grading will take this into consideration.**

- Our threshold is THREE functionalities – but if you have only managed to deliver TWO then the grading will be commensurate with what is delivered.

- It is NOT a binary marking system

Project Checklist

One nominated person to submit the files for your project submission (before 12:00, 22nd Dec 2023)

- Have you supplied your screencast?

- Have you included your SOURCE CODE in your submission in one ZIP file?

How to submit your project?

- There will be two seperate submissions for your project.
    - **Submission #1** – Upload of source code
    - **Submission #2** – The screencast video

- Both submissions must be completed by December 22nd 2023 @ 12:00

Moodle project section (top of CS385 page)

CS385 Project Section ⌄

Project Deadline: Friday, 22nd December 2023: 12:00 (midday) - Maynooth local time

Groups - ONLY ONE SUBMISSION PER GROUP - ONE member of your team should submit your project - Please ignore Moodle indicating that you must submit. ONE TEAM MEMBER submits the project!

📥 Submission #1 - Source Code

📥 Submission #2 - Video Screencast

🔗 A sample video screencast for your CS385 project (screencast video)

🔗 CS385 Project 2023-2024 Frequently Asked Questions (FAQ) Page (copy)

📄 Project Grading Rubric PDF

How will you submit the project? React Code

- **EVERYTHING CONTAINED INSIDE ONE ZIP FILE**

- All source code – in a ZIP file – uploaded to Moodle

How will you submit the project? [Screencast Video]

- There will be a separate upload on Moodle for your screencast video

- Moodle has a STRICT limit of file upload size of 100MB.

- Please ensure your 3 – 5 minute video screencast is LESS THAN 100Mb in size.

What if my screencast video is TOO LARGE for Moodle?

- **First option** – record again but at a lower resolution. Then try to upload again.

- **Second option** – move the video to Microsoft Stream or Microsoft One Drive. Then provide me with access and a URL or link to the screencast video. Upload your ZIP file with the URL contained in a text file.

QUESTIONS about the project submission process?

- **Have you looked at the extensive documentation** in the Moodle CS385 Project Section? **Seriously, have you REALLY looked?**

- If your answer is not there – then email me with your question!

SCAN ME

CS385 Project Section

Project Deadline: Friday, 22nd December 2023: 12:00 (midday) – Maynooth local time
Groups – ONLY ONE SUBMISSION PER GROUP – ONE member of your team should submit your project – Please ignore Moodle indicating that you must submit. ONE TEAM MEMBER submits the project!

- Submission #1 – Source Code

- Submission #2 – Video Screencast

- A sample video screencast for your CS385 project (screencast video)

- CS385 Project 2023-2024 Frequently Asked Questions (FAQ) Page (copy)

- Project Grading Rubric PDF

THE DEADLINE

22nd Dec 2023 @ 12:00 Maynooth Time

Things to note….

- **There has rarely ever been ANY late project submissions in CS385** (you are very good with deadlines)

- **There is NO LECTURES on Tuesday 19th December 2023**

- **There is NO LAB on Friday 22nd December 2023** (but you can of course use the lab facilities during the normal lab times)

Lecture 21 – The End