Final Assessment (Sprint 2)

Graded Task ; Due date: *11:59pm (Melbourne Time) Friday Week13 (friday 11 of june)*

This is week 12, meaning that you will need to submit your group work by the end of the week. You will have until Friday of Week 13 to complete your task and you will present in week 14.
If you cannot make it for extremely good reasons (urgent medical certificate) you will be allocated an Further Evaluation needed and will be required to sit for a written in person exam (unless you can demonstrate not to be living in the country in Victoria). You still need to provide evidence of your work until the emergency happened.

No more commits on git will be accepted on your git beyond friday. If you commit further code, it may result in a fail.
Presenting code which is not the same as the one on GIT will also result in a failure.
You will be presenting the code running from your end, but your assessor may also try the code, therefore, make sure that you are not using a local system (db for example).

TO DO

Compile one pdf document containing amd upload to OnTrack, if you are in a mix squad (737 780) then you need to upload it in both units.

Links to the application (737)
Link to github (all)
Links to dockerhub (780)
Screenshot of the Github contributions
Screenshot of your Tasks on Trello
Link to your pitch video
Any architectural diagrams you have
Any Paper prototype you have (you should have)

Assessment Review (Compulsory)

You must book a meeting, and prepare the agenda as provided
You can book the meeting here
https://calendly.com/alexbonti83/devs-deakin-group-preparation-clone

Agenda (week 14 presentation)

This time, you will be running the show. The meeting will go for 15 minutes (please allocate 30 minutes) . You must be at your computer as you may need to write code or attend your interview (Task 6) straight after.

Not attending the session will result in a Fail for the task - check previous explanation.

Please allow 30 minutes for this session
This is the second sprint of your project. Each team member should plan and deliver at least 30 hours worth of tasks. These tasks need to be chosen carefully as these need to demonstrate expertise from the fundamental skills or advanced skills. These tasks will be marked as follows:

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What to present ?

1. Check GitHub - 5 Minutes (mention what everyone contributed) - coding specific questions.
2. Break down of tasks executed 2 minutes - This can be a report view showing everyone's tasks (including hours of work)
3. Presentation - pitch your project (4 minutes)
    a. Present the idea (Why did you work on this project) (30 seconds)
    b. The Overall architecture (How do things work, how to they talk to each other) - a flow diagram helps (1 minute)
    c. Demo (2 minutes)
4. Final Q/A

Coding interview

You may be required to answer some coding or theory questions on the spot, based on your target grade, these are the questions levels.

P level questions
Please write a function to add two numbers together.
Please define an array.
Iterate through an array.
What is the difference between a for loop and a for each loop, and please write a sample
What is the reason for the package.json ?

C level questions
Can you create an HTTP server using Node.js? If so, can you explain the code needed to do so?
What is a try and Catch in node JS?
Web Design - Can you write code to iterate through an array and create elements on a page.

D and HD level questions are based on pure code challenges and theory.

Rubric

PASS: You have implemented, reported and demonstrated the 30 hours worth of user stories showcasing the fundamental skills that need to be covered in the unit.

CREDIT: You have implemented, reported and demonstrated tasks including from the unit with a more capable complexity than P level.

DISTINCTION: You have achieved PASS/CREDIT levels but you have also included extra features which provide a much richer story for the user. Your implementation should be of good quality, well structured, maintainable, and well-documented. (MVC Model)

HIGH DISTINCTION: You have achieved DISTINCTION level, and your MVP is polished, and of quality internal quality and external quality (user experience) that you are ready to sign up users to start using your product.

Core technologies to demonstrate

What is not a core technology ?
Html, js, css bootstrap, express, visual studio code etc.

What are core technologies?
We identify core technologies as all of those technologies which are unique to your coursework, this is a list, but not limited by it.

725	737	780
Sockets for real time	Platform as a Service	Docker
Databases	Functions as a service	Passport or similar
Rest APIs	Database as a service	Testing
Testing	AppId or similar service	Databases within dockerized structure
	Continuous integration	Continuous integration
		GitHub Actions