

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



COIT20269 Mobile Web App Development

Term 1 - 2026

Profile information current as at 23/01/2025 01:29 pm

All details in this unit profile for COIT20269 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit builds on responsive web design principles, equipping you with the knowledge and practical skills to design, develop, and test mobile web applications that support complex user interactions and data handling. You will explore the strengths and limitations of web apps versus native apps, with a focus on cross-platform functionality using tools like Apache Cordova. In this unit, you will develop full-stack hybrid mobile applications, building the front end with HTML, CSS, JavaScript and/or Node.js, while using Node.js or PHP for the back end and connecting to cloud databases for data storage. Emphasis will be placed on asynchronous programming to enhance performance, responsiveness, and overall user experience. You will also examine common web app vulnerabilities and strategies to mitigate them. Finally, the unit will guide you through the process of maintaining and deploying mobile web app code.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-Req: COIT20247 Database Design and Development, COIT20268 Responsive Web Design Anti-Req: COIT20231 Mobile Computing

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 1 - 2026

- Brisbane
- Melbourne
- Online
- Sydney

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Information for Class and Assessment Overview has not been released yet.

This information will be available on Monday 12 January 2026

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Unit Coordinator and Teaching Team Reflection

Feedback

jQuery Mobile framework, popularity and usage have declined over the years. Alternative frameworks should be considered.

Recommendation

Explore a transition to a more widely adopted front-end development framework (for example React).

Feedback from Teaching Team's Reflection

Feedback

Incorporating intuitive coding examples in lectures proves to be a valuable practice, aiding students in the development of their skills.

Recommendation

Continue providing intuitive coding examples in the lecture slides and tutorial materials.

Feedback from Unit Coordinator

Feedback

Weekly tutorials should adopt a guided approach, furnishing students with step-by-step instructions for completing the tasks.

Recommendation

Revise and enrich the tutorial with detailed, step-by-step guidance. This update will not only make the material more accessible but also foster a deeper understanding and more effective task execution by the students

Feedback from Unit Coordinator and Teaching Team

Feedback

Split the unit into two distinct components: one focusing on front-end development and the other addressing backend and cloud aspects.

Recommendation

Restructure the unit by dividing it into two distinct components. The first component should focus exclusively on front-end development (for mobile web applications) and the second component should then address back-end development and cloud computing aspects.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 12 January 2026

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Information for Alignment of Learning Outcomes, Assessment and Graduate Attributes has not been released yet.

This information will be available on Monday 12 January 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 16 February 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.