Assessment criteria for the course
Mobile Software Development

You are required to build a MERN Stack e-commerce web application. Your application must be able to run as a progressive web app (PWA) on a mobile device.

Minimum Requirements

You must use:
- React for all client-side code
- Node/Express as the server-side technology
- You must use routers and implement a RESTful API for database access

Your solution must
- be for a substantial number of physical products (it cannot be for a service)
- include payments

Your solution must implement three levels of access: administrator, logged-in user and guest. As a minimum:
- an administrator can view products, create new products, edit products, delete products, and delete users
- a logged-in user can view products, purchase products, view previous purchases history, and create a user profile
- a guest can view products and purchase products

Your solution must run on both PC (for administrator, logged in users and guests) and mobile devices (for logged in users and guests)

Grading

A maximum of 70% of the available marks will be allocated for a professional implementation of a MERN Stack application that incorporates the above minimum requirements.
A maximum of 30% of the available marks will be given for a professional implementation of your application's additional features. Please note that you cannot get marks for additional features if you have not made a reasonable attempt at implementing all the basic features.

The evaluation of your project will consider:
- quality and functionality of code
- the level of complexity of the database structure and database API
- the appearance of the application
- payment implementation
- additional features that you implement

This is a group project. You must work in a group of two people for this project. Both group members must be able to demonstrate that they understand the code from the basic requirements. Each group member must take responsibility for at least one substantial and relevant additional feature in the web application. The mark for additional features will be graded individually. As a result of this, team members may end up with different marks.