# MOBILES APPLICATION DEVELOPMENT 2 PROJECT

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## Year 3, BSc Software Development

## Application name:

College Timetable

## Description:

Cross platform timetable application that allows the users keep records of their module, lectures and labs/tutorials. User will be able add, edit, update and delete records from the timetable. The timetable application will store the user data to an online database.

## Design choice:

I have decided to do timetable application for this project as I myself as a student have not found one that works well with a nice UI, is cross platform and syncs with the cloud. As a student I work between my phone and laptop either taking notes, doing work and checking my next class. As I work between both my laptop and phone It would be nice to have the timetable and notes on both devices.

## Design objectives:

* The application will be a CRUD application (Create, read, update, delete).
* A UI that allows the user to navigate around the application with ease.
* The application uses an accelerometer on a mobile device to change the views orientation.
* The application retrieves user data from a cloud server.
* Allow the user enter notes for a module listed on the timetable.

## Platforms:

* Android
* UWP

## Database Architecture:

The database for this application is going to use is MongoDB. I am using this as it flexible, easy to work with and portable. For hosting the database I am going to use mLab.

## References:

* <https://www.mongodb.com/mongodb-architecture>
* <https://mlab.com/>
* <https://en.wikipedia.org/wiki/Create,_read,_update_and_delete>