KF6012

Web Application Integration

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How will the module build on your existing knowledge?

In the **first year**, most of you will have learned how to use:
- HTML
- CSS
- PHP

If you took **KF4009** Web Tech, you will have used these to build a simple web app with a database

Key concepts:
- Separating structure from style (HTML and CSS)
- Client side and server side (HTML/CSS and PHP)
- Integration with a database
- Forms
- Form and database security

How will the module build on your existing knowledge?

In your **second year**, most of you will have learned

- PHP
- JavaScript

If you took **KF5002** Web Programming you will have used these to build an interactive website

Key concepts:

- Client-side and server-side functionality
- AJAX programming
- User authentication and sessions
- Prepared statements for database queries

How will the module build on your existing knowledge?

In your **first and second years**, many of you will have learned
- Object oriented programming
- UML

If you have taken an introductory programming course in Java and have taken a software engineering class that uses UML (e.g. class diagrams), you can use this knowledge

Key concepts:
- Object oriented concepts
- Class diagrams in UML

We will go back to basics on these - because OO is often a hard thing to grasp at first

What if I don't have enough background knowledge?

Don't worry if you have not covered everything mentioned on the previous slides already (or if your forgot it all over the summer)

◦ But do *take action* on this

There will be the opportunity to **catch up** on or revise this knowledge

◦ You will need to do this in your own time

◦ You should not leave this until the last minute

You can **talk to the module tutor** if you have not covered these topics already.

◦ Talk to us if you have not taken KF4009 Web Tech and KF5002 Web Programming or you did not pass these.

Links with other modules

The other **web track** module is KF6013 Cloud API
- You do not need to take that module to do this one
- Both modules complement each other
- Both modules require you to write in HTML5 and CSS3
- KF6013 uses PHP and JQuery, KF6012 (this module) uses Object Oriented PHP and React/AngularJS

This module can also be helpful for
- The individual project – if you choose to build a web application
- The group project – if your group builds a web application

KF6012: Web Application Integration

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