Mobile and Web Development

Module Information

2022.01, Approved

Summary Information

Module Code	5505SDLBHG
Formal Module Title	Mobile and Web Development
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Beaconhouse Group

Learning Methods

Learning Method Type	Hours
Online	11
Practical	33

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-PAR	PAR	January	12 Weeks

Aims and Outcomes

Aims	To provide knowledge of various mobile and web platforms and architectures and gain experience in designing and developing mobile and web applications.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically review mobile-first web application architecture.
MLO2	2	Apply enterprise-scale application design methodologies.
MLO3	3	Consider frameworks for the design and development of web applications.
MLO4	4	Construct data-driven applications for mobile platforms.

Module Content

Outline Syllabus	Desktop vs Mobile-first design Responsive design Declarative layout/control frameworks Database connectivity/SQL-driven web development Web service connectivity Thin vs Thick clients Native mobile development and cross-platform implementations Logical and Physical Architectures
Module Overview	
Additional Information	This module is intended to provide an overview of developing web applications for mobile platforms. It will illustrate the main platforms available for mobile-focused web development, drawing data from a variety of sources including other web services and databases. The module will conclude with an overview of alternative mobile development techniques; familiarising the student with the fundamentals of native focused and cross-platform frameworks-focused mobile developments.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Development report	50	0	MLO1, MLO2, MLO3
Technology	Web application	50	0	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Paul Bell	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings