



Northern Technical University
Institute of Management - Nineveh
Department of Computer Systems
Technologies



MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية				
Module Title	Mobile Application Development		Module Delivery	
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	CST212			
ECTS Credits	choose			
SWL (hr/sem)	٣٦			
Module Level	٢	Semester of Delivery		٢
Administering Department		College	Computer Systems Department	
Module Leader	Sura Saad Basher		e-mail	bashersura@ntu.edu.iq
Module Leader's Acad. Title	assistant teacher		Module Leader's Qualification	Master's degree in Computer Science
Module Tutor		e-mail		
Peer Reviewer Name		e-mail	E-mail	
Scientific Committee Approval Date	09/04/2024	Version Number	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

Module Aims	Mobile phone applications obtain some personal data about customers, including e-mail, social media accounts, name, contact numbers, and geographic location. All of this data is considered information that contributes to improving and targeting the category to launch the appropriate product for each specific category.
Module Learning Outcomes	<p>For applications that are small computer desktops for your phone or tablet. Such as a tablet that helps in completing tasks.</p> <ul style="list-style-type: none"> - B Most applications are in the user cart. The application is designed to work well on the small screen of a device. - Applications must be represented through an icon on a device screen.
Indicative Contents	<p>Interface design is one of the most important issues in mobile application development. Mobile phone users often suffer from poor interface design which thus seriously hampers the usability of those mobile applications. The main challenge in mobile app interface design is the unique features of these devices, such as small screen size, resolution, and inefficient data entry methods. Therefore, there is an urgent need for theoretical frameworks or guidelines for designing effective and user-friendly interfaces for mobile applications. Based on a comprehensive review of application development processes, this research presents a new framework for designing effective mobile interfaces. This framework consists of four main components, namely information presentation, data entry methods, mobile phone users, and context.</p>



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Learning and Teaching Strategies

Strategies	Explaining the scientific material to students in detail. 2- Students' participation in solving problems 3- Discussion and dialogue about vocabulary related to the topic
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Student Workload (SWL)

Structured SWL (h/sem)	36	Structured SWL (h/w)	3
Unstructured SWL (h/sem)	0	Unstructured SWL (h/w)	0
Total SWL (h/sem)	36		



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Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	30 S	20% (20)		LO #1, 2, 5 and 6
	Assignments	1.30 H	20% (20)		LO # 2, 4, 5and 6
Summative assessment	Midterm Exam	2hr	10% (10)		LO # 1-8
	Final Exam	3hr	50% (50)		All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الأسبوعي النظري	
	Material Covered
Week ٢-١	<p>مقدمة واجهات الاستخدام الرسومية GRAPHICAL USER INTERFACES تصاميم الويب المتأقلمة RESPONSIVE WEB DESIGNS تقنية JQUERY MOBILE كيفية استخدام JQUERY MOBILE الأدوار الوظيفية المعرفة مسبقا في JQUERY MOBILE</p> <p>JQUERY MOBILE</p>
Week ٤-٣	<p>كيفية استخدام BOOTSTRAP نظام العرض الشبكي في BOOTSTRAP class القيم المعرفة مسبقا للوصفة في BOOTSTRAP الملائمة BOOTSTRAP</p>
Week ٦-٥	<p>مفهوم CORS طلبات في AJAX CORS مقدمة على المخدم والزيون و تفعيل</p>
Week ١٠-٧	<p>أساسيات PHONEGAP مقدمة PHONEGAP ماهي تقنية PHONEGAP والبدء بالعمل تثبيت PHONEGAP نشر تطبيقات HONEGAP للهواتف المحمولة الذكية اختبار تطبيقات PHONEGAP الأجهزة المحمولة</p>



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	<p>ملحوظات بشأن خدمة النشر PHONEGAP BUILD ملفات XML الخاصة تقنيات الطابعات الحبرية طابعات الليزر الراسم البياني الكاميرات الرقمية ومزاياه وحدات تخزين الرسوم والصور وتقنياتها</p>
<p>Week - 11 15</p>	<p>مقدمة VIBRATION PLUG-IN إضافة التحكم بميزة الاهتزاز CAMERA PLUG-IN إضافة التحكم بالكاميرا BATTERY PLUG-IN إضافة قراءة حالة البطارية DEVICE PLUG-IN إضافة قراءة معلومات الجهاز CONTACTS PLUG-IN إضافة سجل جهات الاتصال DEVICE MOTION PLUG-IN إضافة التحسس لحركة الجهاز GEOLOCATION PLUG-IN إضافة قراءة معلومات الموقع الجغرافي للجهاز المزيد من الإضافات</p>



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Learning and Teaching Resources

مصادر التعلم والتدريس

		Available in the Library?
Required Texts		NO
Recommended Texts		
Websites		

Grading Scheme

مخطط الدرجات



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Group	Grade		Marks (%)	Definition
Success Group (50 - 100)	A - Excellent		90 - 100	Outstanding Performance
	B - Very Good		80 - 89	Above average with some errors
	C - Good		70 - 79	Sound work with notable errors
	D - Satisfactory		60 - 69	Fair but with major shortcomings
	E - Sufficient		50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail		(45-49)	More work required but credit awarded
	F – Fail		(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.