

Assignment brief and submission document

AQA Level 3 Technical Level IT: Scripting and App Programming, IT: Programming
Unit Name: Mobile applications programming

Tutor/assessor name		
Learner name		
Assignment title	Designing a mobile application for a defined need	
Context of the assignment		
<p>Fasthosts is the UK's foremost web hosting company. They have delivered market-leading online services to the home office and SME markets since 1999 and have a successful track record in providing high value, award-winning products.</p> <p>Innovation drives their business: they have been designing new ways to give their customers complete control of the Internet since their inception in 1999. They now employ over 200 staff in the UK and continue to grow and innovate. © Fasthosts.</p>		
Date assignment issued	To be completed by	Actual submission date

Grading Criteria			
<p>The grade is calculated based on the evidence provided against each of the grading criteria below. Evidence must be provided in the format agreed.</p>			
	Pass	Merit	Distinction
Performance outcome	P7, P8	M5, M6	D3
	Evidence PO3	Evidence PO3	Evidence PO3

Assessment criteria to be evidenced in the tasks provided (eg Task 1)	Criteria (eg P1, M1, D1)
Task 1	P7
Task 2	P8, M5
Task 3	M6
Task 4	D3

Learner authentication

I confirm that the work and/or the evidence I have submitted for this assignment is my own. I have referenced any sources in my evidence (such as websites, text books). I understand that if I don't do this, it will be considered as a deliberate deception and action will be taken.

Learner signature

Date

Tutor/assessor signature

Date

Scenario (all assignments are based on real work practice in a related job role)

Fasthosts allows customers to register interest for new generic top-level domain (gTLD) extensions via their existing website. This facility can be found at:

fasthosts.co.uk/domain-names/new-top-level-domains/

Fasthosts' Marketing department has recently concluded that a complementary "hybrid" mobile application which provides customers with similar functionality would be beneficial. It would essentially duplicate most of the website's functionality on mobile telephones and tablets but, importantly, would professionally fit manufacturer style guides and, most importantly, accommodate users who may have specific accessibility needs and find web access more problematic.

As one of their Junior Developers, you are required to *design* a mobile application that would permit the user to:

- see the top 20 gTLDs
- enter a unique domain, e.g. "AQA"
- select from available gTLDs
- search for availability of the unique domain in selected categories
- select specific domain results (individually or "all") that are desired
- enter user details (name and email) and register interest
- provide a frequently asked questions (FAQ) facility for the gTLD registration process.

The application must adhere closely to chosen platform style guides and take into consideration users with specific accessibility needs.

Tasks (All 4 must be undertaken)

- 1 Design a mobile application for Fasthosts that allows customers to search upcoming gTLDs and register interest in them.

Functionality should include:

- a displaying the top 20 gTLDs
- b allowing the user to manually enter a unique domain, eg "AQA"
- c allowing the user to select from available gTLDs
- d allowing the user to search the availability of the unique domain in selected categories
- e allowing the user to select specific domain results (individually or "all") that are desired
- f allowing the user to enter user details (name and email) and register interest and
- g providing the user with a frequently asked questions (FAQ) facility.

Demonstrate an understanding of the defined need by researching the original website implementation. After doing so, select the most appropriate design tool and plan a mobile application to meet this defined need.

- 2 As part of your design you should select the most appropriate controls and events handlers to meet the needs of the users. You must ensure that the design reflects the stated needs correctly.
- 3 With reference to suitable style considerations and chosen platform guidelines, demonstrate (using specific examples) that you have applied these to your design.
- 4 You are aware that accessibility concerns must be addressed to enable the best possible user experience. Identify these accessibility concerns and then detail and justify the adaptations you have made in your design to cater for potential user concerns.

Submission checklist (please insert the items the learner should hand in)	Confirm submission
<p>Task 1:</p> <ul style="list-style-type: none"> • Written investigation of the current website implementation. • Description of selected design tools, how they work and your rationale for using them; consideration should also be given to possible alternatives. • A completed design (using selected tools) of your solution for the defined need. 	
<p>Task 2:</p> <ul style="list-style-type: none"> • Documentation that demonstrates your selection of the most appropriate controls and event handlers for the solution. • Documentation that details your reasons and justifications for their selections; consideration should also be given to possible alternatives. 	
<p>Task 3:</p> <ul style="list-style-type: none"> • Documentation, showing suitable supporting evidence and commercial research, which demonstrates how you have correctly applied style considerations and met chosen platform guidelines in your design. 	
<p>Task 4:</p> <ul style="list-style-type: none"> • Written justification that demonstrates which accessibility adaptations you have made in your design and (a) why you believe they are beneficial and (b) how they improve the overall experience for users with specific needs. 	
<p>Learner - please confirm that you have proofread your submission</p>	