

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of section 3 of the question paper.

Candidate 1

Question 9

The candidate was awarded **1 mark** because the response clearly indicates that the media query applies to devices with a screen width less than or equal to 600 pixels.

Question 10(a)

The candidate was awarded **1 mark** because the `<tr> <th> </th> and </tr>` tags have been used correctly in the response.

Question 10(b)

The candidate was awarded **1 mark** because the `<tr> <td> </td> and </tr>` tags have been used correctly in the response.

Question 11(a)

The candidate was awarded **1 mark** because the correct type of feasibility has been stated.

Question 11(b)

The candidate was awarded **3 marks** because the UML use case diagram in the response shows the three actors mentioned in the description together with all use cases mentioned in the description and makes use of 'extends' to indicate the nature of the relationship between the 'Add Climb' and 'Add Comments' use cases.

Question 11(c)(i)

The candidate was awarded **1 mark** because Line 26 indicates that an appropriate error message should be displayed. No mark was awarded for Line 24 as the assignment does not indicate that the number of query results should be assigned.

Question 11(c)(ii)

The candidate was awarded **2 marks** because the response correctly uses the `$POST` function and uses the `name` attributes from the HTML form element appropriately.

Question 11(c)(iii)

The candidate was awarded **2 marks** because the response correctly indicates that an `INSERT` query would be needed, but the list of field names which should form part of the `INSERT` clause has been omitted. However, since the correct field names have been listed in the `VALUES` clause, together with the relevant php variables introduced in the response to part (c)(ii), the candidate has not been penalised as this was considered to be a syntax error.

Question 11(d)(i)

The candidate was awarded **1 mark** because they have clearly explained that a session variable is needed to allow the email address entered to persist across other pages of the website.

Question 11(d)(ii)

The candidate was awarded **1 mark** because the description clearly refers to the need to use the email address in a query to retrieve details of climbs completed by the user and display them on the View Climbs page.

Question 11(e)(i)

The candidate was awarded **1 mark** because the correct username has been identified.

Question 11(e)(ii)

The candidate was awarded **2 marks** because the response clearly explains why both errors have occurred and also provides the correct code needed to resolve each error.

Question 11(f)(i)

The candidate was awarded **1 mark** because the response provides an accurate description of the purpose of the design.

Question 11(f)(ii)

The candidate was awarded **0 marks** because the response does not consider the possibility that a `climberID` assigned at Line 4 may not exist in the `Climber` table which would generate an error at Line 5.

Candidate 2

Question 9

The candidate was awarded **0 marks** because the response indicates that the media query will apply when the screen width is 600 pixels, not less than or equal to 600 pixels.

Question 10(a)

The candidate was awarded **1 mark** because the `<tr> <th> </th>` and `</tr>` tags have been used correctly in the response.

Question 10(b)

The candidate was awarded **1 mark** because the `<tr> <td> </td>` and `</tr>` tags have been used correctly in the response.

Question 11(a)

The candidate was awarded **1 mark** because the correct type of feasibility has been stated.

Question 11(b)

The candidate was awarded **3 marks** because the UML use case diagram in the response shows the three actors mentioned in the description, together with all use cases mentioned in the description and makes use of 'extends' to indicate the nature of the relationship between the 'Add Climb' and 'Add Comments' use cases. Although the candidate did not use generalisation to show the relationship between 'User' and 'Registered user', the use case 'Search Munro Details' has been associated with both the 'User' and 'Registered user' actors, therefore the missing generalisation was not penalised.

Question 11(c)(i)

The candidate was awarded **1 mark** because Line 24 indicates that the number of query results will be assigned. Line 26 does indicate that an error message would be displayed but is lacking sufficient detail.

Question 11(c)(ii)

The candidate was awarded **2 marks** because the response correctly uses the `$POST` function and uses the `name` attributes from the HTML form element appropriately.

Question 11(c)(iii)

The candidate was awarded **2 marks** because the response indicates that an `INSERT` query will be needed, provides an accurate list of field names (omitting `climberID`) and also lists the relevant php variables introduced in the response to part (c)(ii) in a sequence that matches the list of fields.

Question 11(d)(i)

The candidate was awarded **0 marks** because the response does not indicate that a session variable is used to enable the email address entered to persist across other pages of a website.

Question 11(d)(ii)

The candidate was awarded **1 mark** because the description indicates that the email will be used to search the database, thus ensuring that only records matching the email address are returned.

Question 11(e)(i)

The candidate was awarded **1 mark** because the correct username has been identified.

Question 11(e)(ii)

The candidate was awarded **2 marks** because the response explains why both errors have occurred and explains how to resolve each error.

Question 11(f)(i)

The candidate was awarded **0 marks** because the response does not indicate that once details of the climber who has made the most climbs has been identified, their forename and surname will be displayed.

Question 11(f)(ii)

The candidate was awarded **0 marks** because this question was not attempted.

Candidate 3

Question 9

The candidate was awarded **0 marks** because they did not provide a correct explanation of the purpose of the media query.

Question 10(a)

The candidate was awarded **1 mark** because the `<tr>` `<th>` `</th>` and `</tr>` tags have been used correctly in the response.

Question 10(b)

The candidate was awarded **1 mark** because the `<tr>` `<td>` `</td>` and `</tr>` tags have been used correctly in the response.

Question 11(a)

The candidate was awarded **1 mark** because the correct type of feasibility has been stated.

Question 11(b)

The candidate was awarded **2 marks** because the UML use case diagram in the response shows the three actors mentioned in the description, together with all use cases mentioned in the description. Full marks were not awarded because 'includes' rather than 'extends' was used to indicate the nature of the relationship between the Add Climb and Add Comments use cases.

Question 11(c)(i)

The candidate was awarded **2 marks** because Line 24 indicates that the number of query results returned would be assigned, and Line 26 indicates that an appropriate error message would be displayed.

Question 11(c)(ii)

The candidate was awarded **2 marks** because the response correctly uses the `$POST` function and uses the `name` attributes from the HTML form element appropriately.

Question 11(c)(iii)

The candidate was awarded **1 mark** because the response correctly indicates that an `INSERT` query would be used and provides a list of field names to be inserted.. The list of values in the `VALUE` clause does indicate the relevant php variables introduced in the response to part (c)(ii), and these are listed in the

same sequence as the list of fields names, however, the list of field names incorrectly includes `climberID`.

Question 11(d)(i)

The candidate was awarded **1 mark** because the response indicates that a session variable is needed to allow values to persist across other pages of a website.

Question 11(d)(ii)

The candidate was awarded **1 mark** because the description clearly refers to the need to use the email address in a query to retrieve details of climbs completed by the user and display them on the View Climbs page.

Question 11(e)(i)

The candidate was awarded **0 marks** because the username stated is incorrect.

Question 11(e)(ii)

The candidate was awarded **2 marks** because the response clearly explains why both errors have occurred and also provides the correct code needed to resolve each error.

Question 11(f)(i)

The candidate was awarded **1 mark** because the response provides an accurate description of the purpose of the design.

Question 11(f)(ii)

The candidate was awarded **0 marks** because the response does not consider the possibility that a `climberID` assigned at Line 4 may not exist in the `Climber` table which would generate an error at Line 5.

Candidate 4 (selected questions)

Question 10(a)

The candidate was awarded **1 mark** because the `<th>` and `</th>` tags have been used correctly. The response does not use the `<tr>` and `</tr>` tags but will display correctly when rendered by the browser and therefore, the candidate was not penalised.

Question 10(b)

The candidate was awarded **0 marks** because the solution provided is incomplete.

Question 11(c)(i)

The candidate was awarded **1 mark** because assignment of 0 at Line 24 is incorrect. Although use of the `die()` function is indicated at Line 26, the error message to be displayed is appropriate.

Question 11(c)(ii)

The candidate was awarded **2 marks** because the response correctly uses the `$POST` function and uses the `name` attributes from the HTML form element appropriately.

Question 11(c)(iii)

The candidate was awarded **1 mark** because the response correctly indicates use of an `INSERT` query and the listed values match the php variables introduced in the response to part (c)(ii). Full marks were not awarded because the list of field names is missing from the `INSERT` clause.

Question 11(f)(i)

The candidate was awarded **0 marks** because the response does not indicate that once details of the climber who has made the most climbs has been identified, their forename and surname will be displayed.

Question 11(f)(ii)

The candidate was awarded **0 marks** because the response does not consider the possibility that a `climberID` assigned at Line 4 may not exist in the `Climber` table which would generate an error at Line 5.

Candidate 5 (selected questions)

Question 10(a)

The candidate was awarded **1 mark** because the `<tr>` `<th>` `</th>` and `</tr>` tags have been used correctly in the response.

Question 10(b)

The candidate was awarded **0 marks** because `<th>` and `</th>` tags have been used instead of `<tr>` and `</tr>` tags.

Question 11(b)

The candidate was awarded **2 marks** because the UML use case diagram in the response indicates each of the use cases mentioned in the description and 'extends' has been used to indicate the nature of the relationship between the Add Climb and Add Comments use cases. Full marks have not been awarded because the response only indicates 2 actors – the database actor has been omitted.