



1.3.4 Client-side vs Server-side Processing

1. A movie website lets users submit reviews and give a movie a score out of 10.

When a score is entered on the website it is checked in the browser to ensure that it is between 0 and 10. It is then checked again on the server.

- a) State what is meant by the term 'server'.

[1 mark]

2. A booking site for a music festival uses JavaScript to show users the booking fee. When users click to buy the tickets, the booking fee is calculated again on the server.

- a) Explain why server side processing is used to recalculate the booking fee.

[3 marks]

- b) Explain **one** advantage of client side processing to either the customer buying the tickets, or to the company who owns the website.

[2 marks]

3. A website contains the line `<form action="checkUser.php">` which send the contents of the form to be processed by the server. This line is written in a language called PHP which is designed for server side processing. Conversely JavaScript is traditionally used for client side processing.

Discuss the difference between server and client side processing with respect to webpages. You should refer to the advantages, drawbacks and best uses of both approaches.

[9 marks]

