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| 4(a) | <p><b>1 mark</b> per bullet point, <b>max 2</b> marks</p> <ul style="list-style-type: none"> <li>The relationship between SHIP and CONTAINER is one-to-many (1:M)</li> <li>The primary key <u>ShipID</u> in the SHIP table is linked to the foreign key ShipID in the CONTAINER table</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4(b) | <p><b>1 mark</b> per bullet point, <b>max 2</b> marks</p> <ul style="list-style-type: none"> <li>ALTER TABLE statement</li> <li>Including the additional field with a suitable field name and suitable field type</li> </ul> <p>Example answer</p> <pre>ALTER TABLE CONTAINER ADD InspectionDate DATE;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4(c) | <p><b>1 mark</b> per bullet point, <b>max 4</b> marks</p> <ul style="list-style-type: none"> <li>SELECT <u>COUNT</u> statement</li> <li>Using the correct tables</li> <li>Joining the tables</li> <li>The condition for the name</li> </ul> <p>Example Answer 1:</p> <pre>SELECT COUNT(ContainerID) FROM CONTAINER, SHIP WHERE CONTAINER.ShipID = SHIP.ShipID AND ShipName = "Caledonia";</pre> <p>Example Answer 2:</p> <pre>SELECT COUNT(ContainerID) FROM CONTAINER INNER JOIN SHIP ON CONTAINER.ShipID = SHIP.ShipID WHERE ShipName = "Caledonia";</pre>                                                                                                                                                                |
| 4(d) | <p><b>1 mark</b> per bullet point, <b>max 2</b> marks</p> <ul style="list-style-type: none"> <li>To allow the user to create / modify / delete tables // maintain the database</li> <li>To allow the user to set up / modify relationships</li> <li>To allow the user to create a form for data input</li> <li>To allow a user to add tools to a form // for example, drop-down boxes / buttons etc.</li> <li>To allow a user to design a report (to show the output in an organised manner)</li> <li>To allow a user to add a menu to enable a choice of different actions</li> <li>To allow a user to inspect the database contents and metadata</li> <li>... by creating and/or running different SQL queries</li> </ul> |