

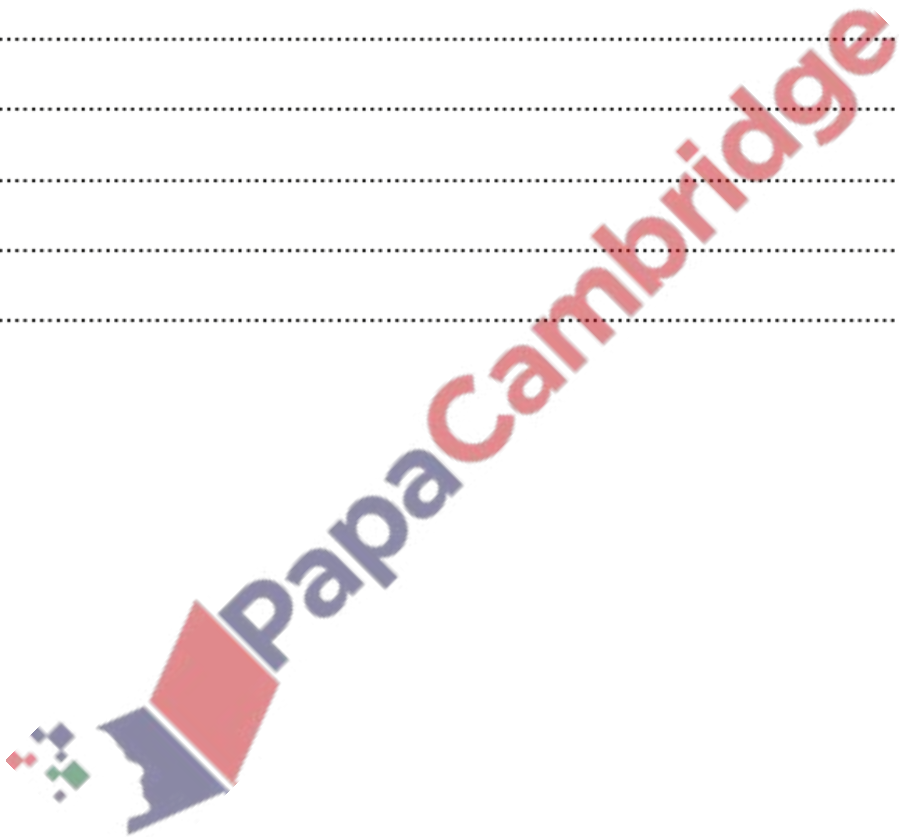
3. Nov/2022/Paper_32/No.7

A software developer uses prototyping when creating a new app for smartphones.

(a) Describe the use of prototyping during the development of the app.

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Draw the correct symbol around each of the elements shown in the DFD in Fig. 8.1. One element, Teacher, has been done for you.

Draw the correct symbols on this DFD:

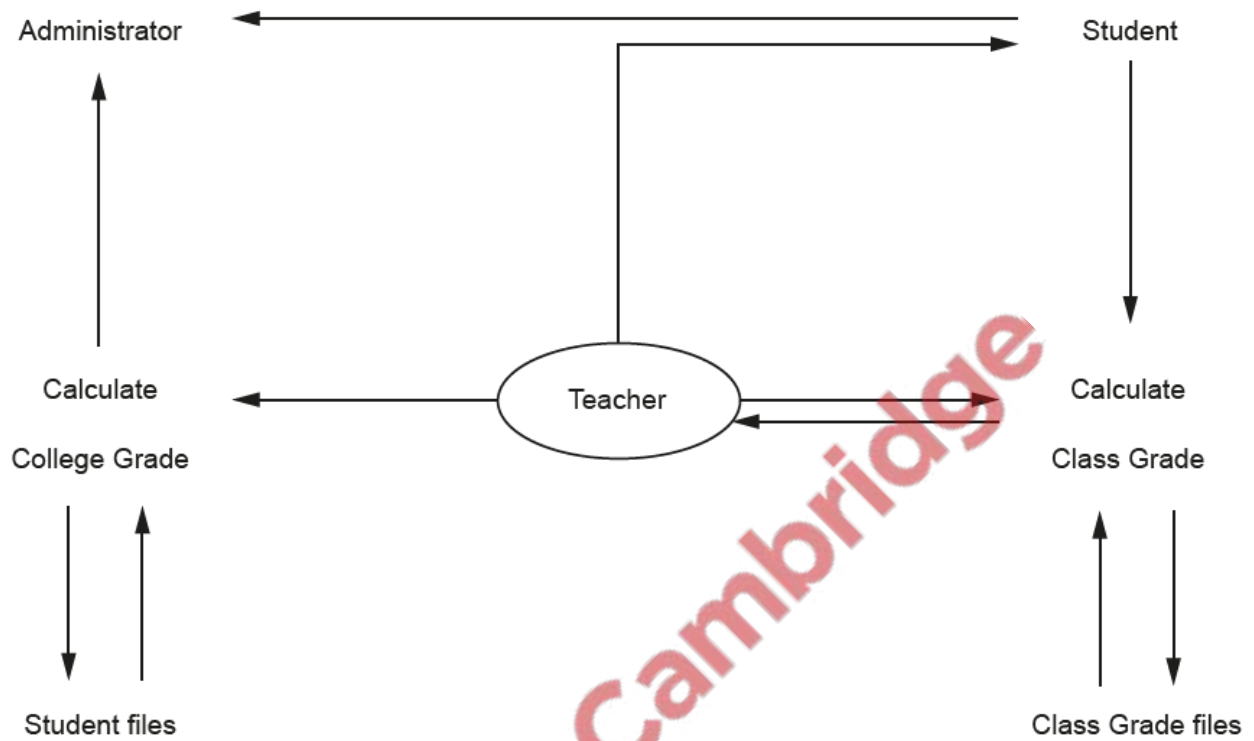


Fig. 8.1

[3]



6. June/2022/Paper_31/No.9

A new database management system (DBMS) is to be created for a health care centre to store patient records. Health care professionals will use the DBMS when treating patients. A design specification has to be written before the DBMS is created.

(a) Explain why a design specification is needed.

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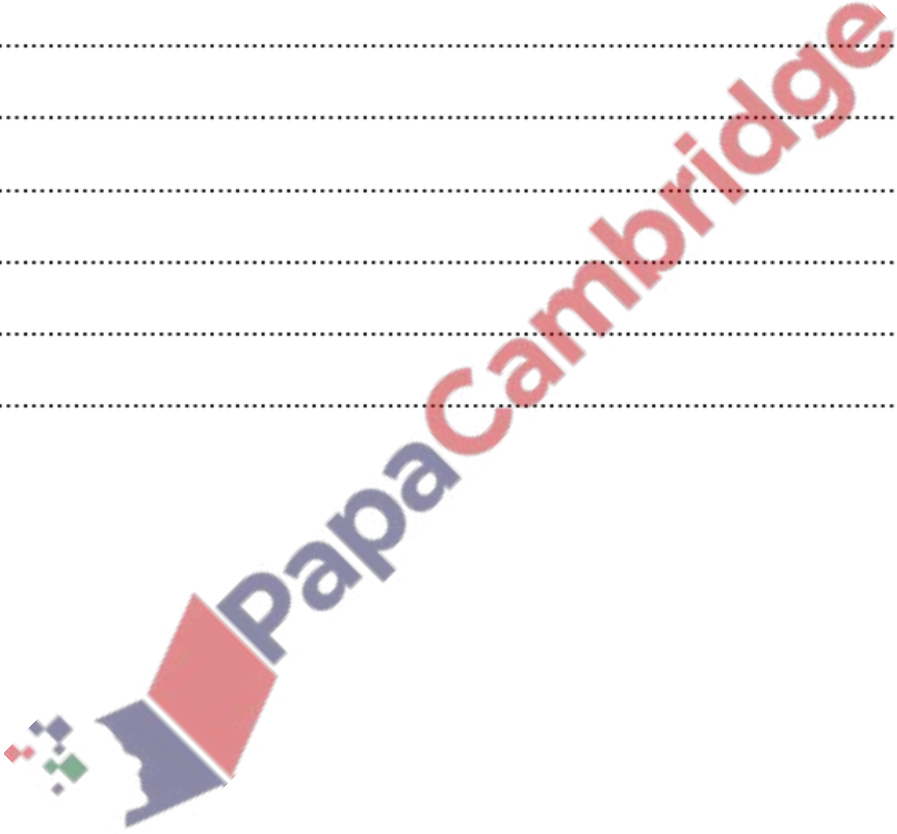
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(b) Describe the contents of a design specification for the new DBMS.

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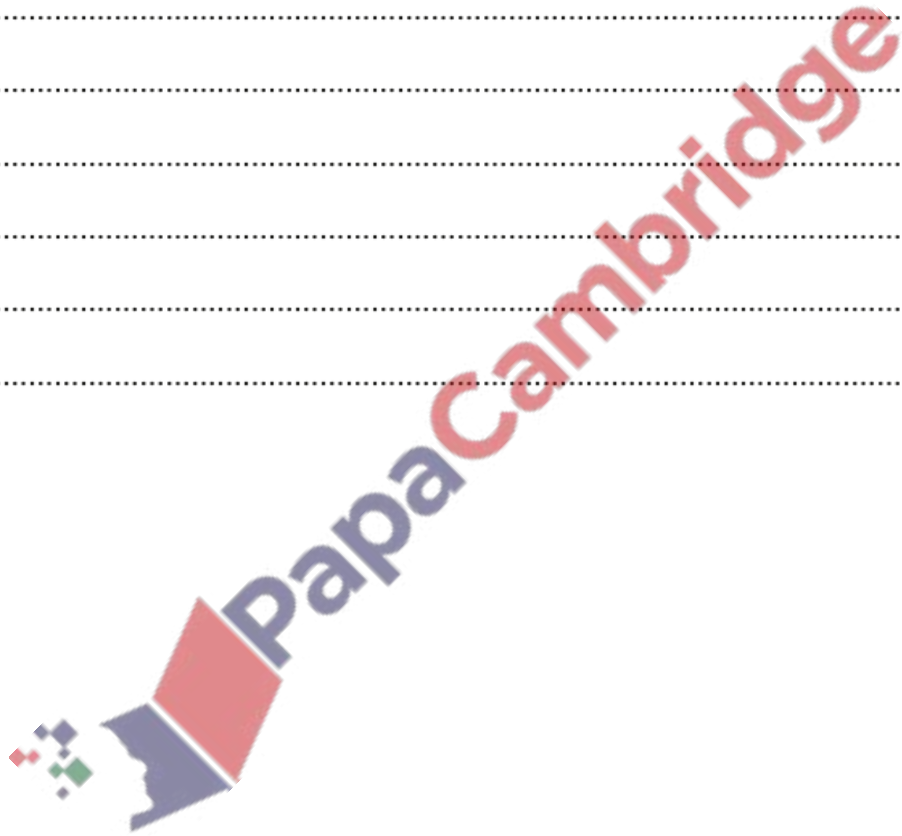
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7. June/2022/Paper_32/No.3

A technician is carrying out corrective maintenance on a computer system.

(a) Explain what is meant by corrective maintenance.

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(b) Describe the steps that the technician should take when carrying out the maintenance.

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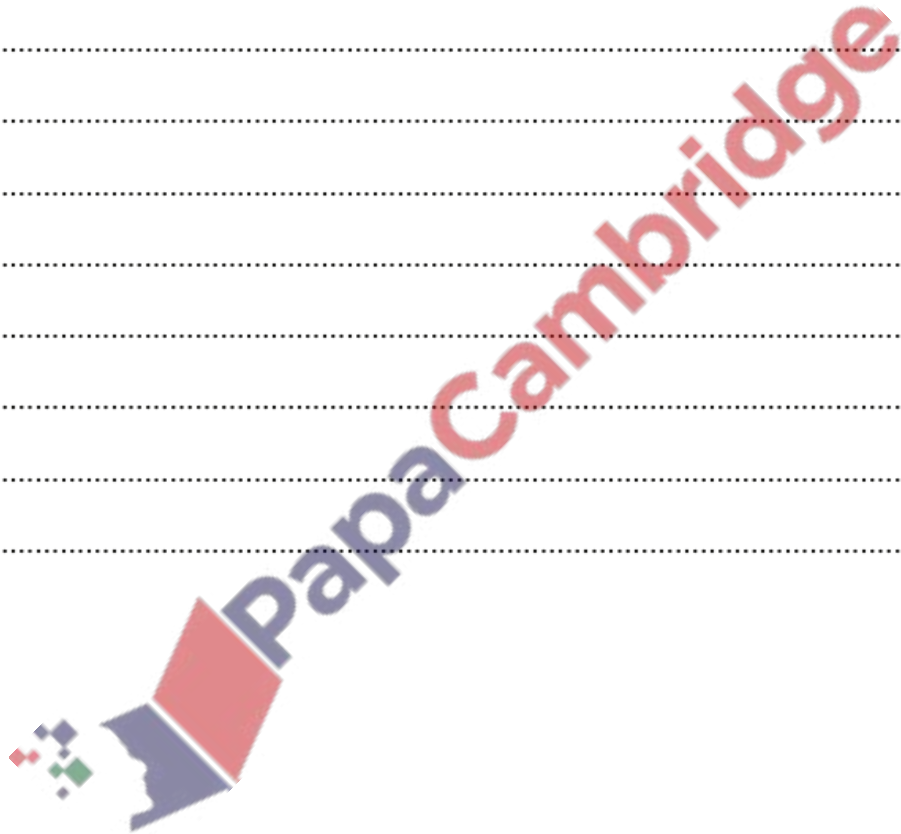
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8. June/2022/Paper_32/No.6

A manufacturing company uses outdated hardware and software which need to be replaced with new hardware and software.

Discuss the benefits and drawbacks of using parallel running to change over from the old hardware and software to the new hardware and software.

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9. June/2022/Paper_33/No.9

A new database management system (DBMS) is to be created for a health care centre to store patient records. Health care professionals will use the DBMS when treating patients. A design specification has to be written before the DBMS is created.

(a) Explain why a design specification is needed.

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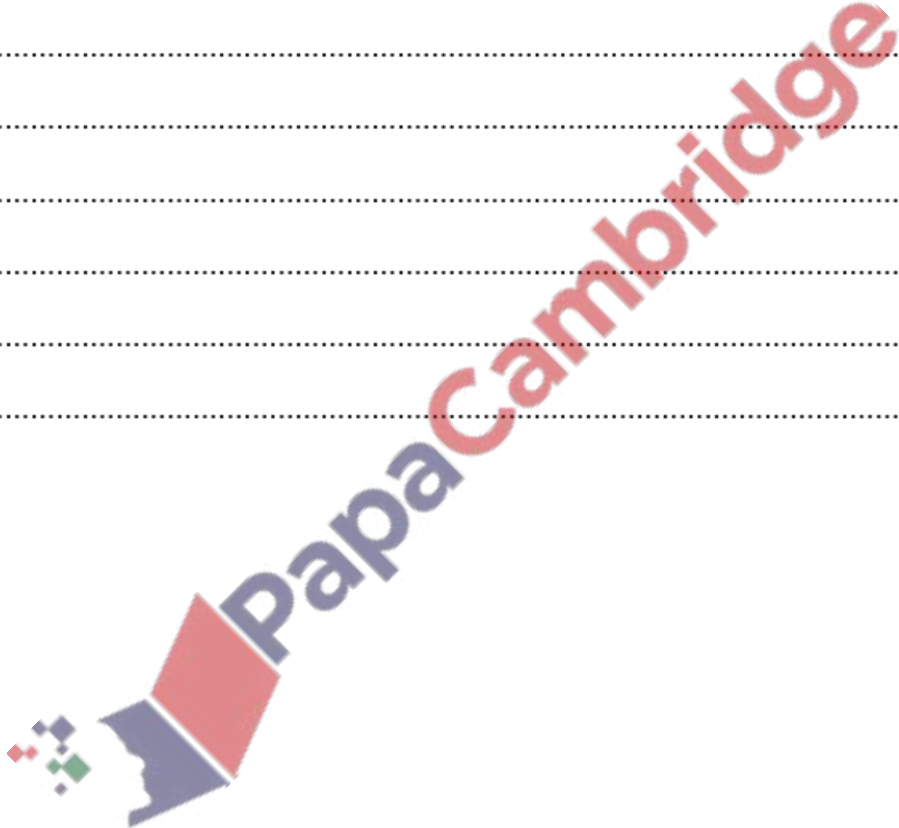
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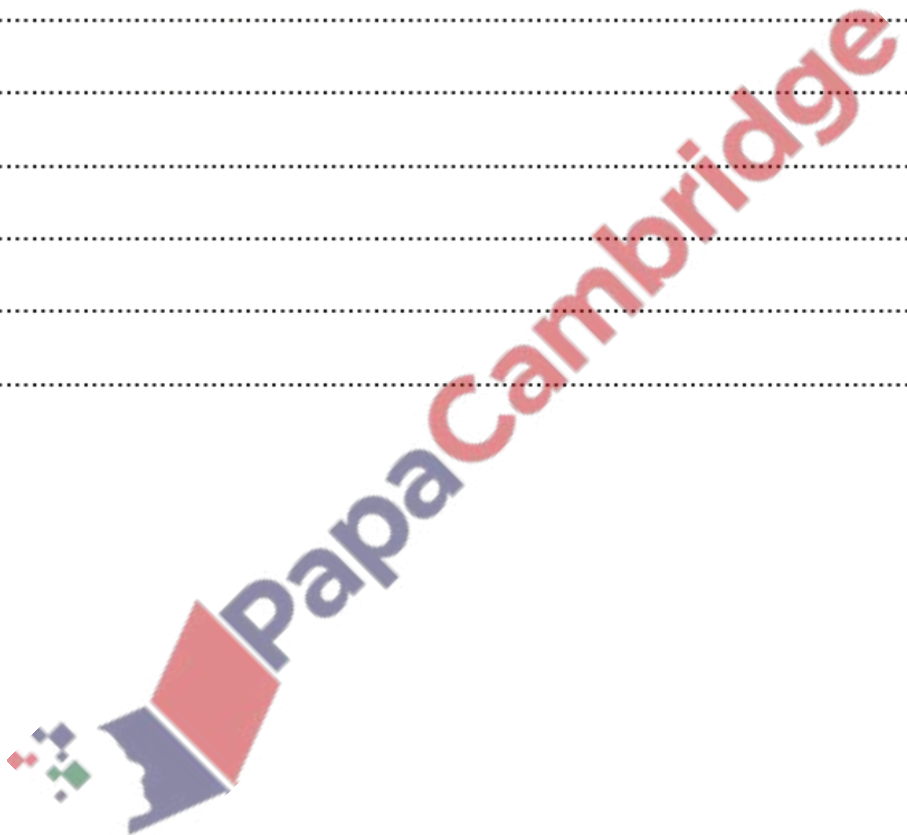
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(b) Describe the contents of a design specification for the new DBMS.

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11. March/2022/Paper_32/No.10

A new computer application has been developed to replace the current application that is in use by a company.

Describe how the new application will be evaluated.

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