



Government of **Western Australia**
School Curriculum and Standards Authority

**Western Australian Certificate of Education
ATAR course examination, 2016**

COMPUTER SCIENCE

SOURCE BOOKLET

This information relates to questions in Section Two.

Refer to this case study to answer Questions 22 and 23.

Pinnacle Heights School has a canteen with a progressive manager. Noting that the school has good Wi-Fi coverage and that most students have devices capable of accessing the school network, she decided that the canteen will introduce an online ordering system for lunches that will be accessed via the school's website.

- To be able to use the ordering system, a student first has to register using their school ID, deposit an opening amount of \$20 so that their account is in credit, and record the email address that they use on their device.
- The canteen manager checks the student's ID against a list given to her by the school's registrar to make sure that it is valid. If it is, she creates a new Student Canteen Account and sends the student a confirmation email.
- To order lunch, a student goes to the canteen website and logs in using their school ID and password.
- Their cash balance is retrieved and displayed so they know how much they can spend on lunch.
- The student then makes choices from a drop down menu and presses the order button.
- The order is saved and an email sent to the student confirming their order and showing their current balance. Orders must be submitted by the end of recess.
- After recess, the canteen staff members make up the lunch orders and print out labels to identify each one. Students collect their orders at lunch time.
- The orders are made up from food in the food store.
- At the end of the day, the canteen manager updates her stock by checking quantities in the food store and placing an order to the local food wholesaler for the items that she needs.
- A copy of the order is kept to check against delivery.
- When the items are delivered, the manager verifies the order by checking the delivery invoice against the order details.
- If correct, a payment is made to the wholesaler.
- The invoice is then stapled to the order and placed back in the order file.

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