



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



ATAR course examination, 2017

COMPUTER SCIENCE

SOURCE BOOKLET

Refer to the information that follows to answer Question 21 in Section Two of the examination.

After conducting an analysis of the BooX4us online book order system, the development team has produced the following description of the system.

- In order to use the BooX4us online book order system, the first thing a new customer needs to do is to register their details.
- Upon registering their details, the new customer is emailed a customer identification (ID), which includes a password, as confirmation of their registration with BooX4us. The registered new customer's details are now stored in the BooX4us customer data store.
- Once registration has been confirmed, a customer wishing to order a book online from BooX4us can do so by logging in to the BooX4us system. To log in, the customer will use their customer ID, which includes their password. During the login process, the system verifies the customer's details, which are stored in the customer data store.
- After successfully logging in to the BooX4us system, a customer places a book order by selecting a book or books from the system. The details relating to the selected book(s) are then stored in the book order data store. The BooX4us system now requests the book(s) availability, including price, from the book wholesaler.
- The book wholesaler confirms to the BooX4us system the book availability, including price. The BooX4us system then informs the customer of these details.
- When informed of the book availability, including price, the customer confirms their order by making payment to the BooX4us system. A confirmation of the book order is then returned to the book wholesaler and the confirmation of book order is stored in the book order data store.
- The book wholesaler then sends confirmation of delivery details to the BooX4us system. The system updates the book order data store with the completed book order details.

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