**Computer Programming II — Final Exam**

2022/6/12

**Problem:** Design an Object-Oriented DintaiFung Shopping System

**Function:**

1. Login: Input email address and password.

① Making order: Add a new record into the binary file **Orders.dat** (randomly generate an order number).

② Order history: Use email address to retrieve previous orders of the account.

1. Registration: Add a new record into the binary file **Accounts.dat**.

**Requirements:**

1. Each function (include the main function) contains at most 60 instructions.

2. Global variables, except **foods** and **price**, are not allowed.

3. Comments are not required.

Your program should contain seven classes: Date, Account, AccountDatabase, Order, OrderDatabase, MakingOrder and Login, defined in Date.h, Account.h, AccountDatabase.h, Order.h, OrderDatabase.h, MakingOrder.h and Login.h, respectively.

The format of the binary file **Accounts.dat** is as follows:

char email[ 40 ]; // used as the account number

char password[ 20 ];

char name[ 8 ];

char address[ 80 ];

int cart[ 15 ]; // cart[ i ] is the quantity of food #i in the shopping cart

// cart[ 0 ] is not used

The format of both the binary files **Orders.dat** is as follows:

char orderNumber[ 12 ];

char email[ 40 ];

Date deliveryDate; // delivery date

int quantity[ 15 ]; // quantity[ i ] is the quantity of food #i in the order

// quantity[ 0 ] is not used

Grading rule

Output correct:

13 points registration( AccountDatabase &accountDatabase )

13 points Login:: authenticateUser( string &email, string &password )

13 points Login::checkout()

13 points MakingOrder::run()

12 points OrderDatabase::loadOrderDetails()

AccountDatabase::loadAccountDetails()

12 points OrderDatabase::saveOrderDetails()

AccountDatabase::saveAccountDetails()

12 points AccountDatabase::getAccount( string email )

12 points Date::operator+( int numDays )

Output incorrect:

12 points registration( AccountDatabase &accountDatabase )

12 points Login:: authenticateUser( string &email, string &password )

12 points Login::checkout()

12 points MakingOrder::run()

11 points OrderDatabase::loadOrderDetails()

AccountDatabase::loadAccountDetails()

11 points OrderDatabase::saveOrderDetails()

AccountDatabase::saveAccountDetails()

11 points AccountDatabase::getAccount( string email )

11 points Date::operator+( int numDays )

The screen dialog #1 (executed on 2022/6/11):

|  |
| --- |
| Welcome to DintaiFung Shopping Mall!  1. Login  2. Registration  3. End  Enter your choice: (1~3): 2  Enter your e-mail address (account number) (0 to end): 111  Enter your password: 111  Enter your name: 111  Enter your physical address: 111  Registration Successfully!  1. Login  2. Registration  3. End  Enter your choice: (1~3): 2  Enter your e-mail address (account number) (0 to end): 111  An account already exists with the e-mail!  Enter your e-mail address (account number) (0 to end): 0  1. Login  2. Registration  3. End  Enter your choice: (1~3): 1  Email (Account number) (0 to end): 0  1. Login  2. Registration  3. End  Enter your choice: (1~3): 1  Email (Account number) (0 to end): 222  No account exists with the e-mail!  Email (Account number) (0 to end): 111  Password: 222  Invalid password. Please try again.  Email (Account number) (0 to end): 111  Password: 111  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  You have no order history!  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 3  You shopping cart is empty!  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 2  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 0  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 15  Enter foods code (0 to end): 1  Enter quantity: 1  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 2  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 2  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 3  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 2  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 2  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 3  Enter quantity: 3  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 2  3 Steamed Shrimp and Pork Dumplings (8) 3  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 3  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 2  3 Steamed Shrimp and Pork Dumplings (8) 2  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 2  Enter quantity: 0  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 2  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 4  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 2  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 1  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 2  4 Steamed Fish Dumplings (8) 2  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 3  Order Number: N425056142  Full Name: 111  Shipping Address: 111  Bank account: 合作金庫 0062013162077139  Item Code Item Price Quantity Subtotal  1 Pork XiaoLongBao (12) 200 1 200  3 Steamed Shrimp and Pork Dumplings (8) 184 2 368  4 Steamed Fish Dumplings (8) 176 2 352  Total: 920  Choose a delivery date  1. 2022/06/16 2. 2022/06/17 3. 2022/06/18 4. 2022/06/19  5. 2022/06/20 6. 2022/06/21 7. 2022/06/22 8. 2022/06/23  9. 2022/06/24 10. 2022/06/25 11. 2022/06/26 12. 2022/06/27  13. 2022/06/28 14. 2022/06/29 15. 2022/06/30 16. 2022/07/01  17. 2022/07/02 18. 2022/07/03 19. 2022/07/04 20. 2022/07/05  21. 2022/07/06 22. 2022/07/07 23. 2022/07/08 24. 2022/07/09  25. 2022/07/10 26. 2022/07/11 27. 2022/07/12 28. 2022/07/13  ? 1  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  Your order details:  Item Code Item Price Quantity Subtotal  1 Pork XiaoLongBao (12) 200 1 200  3 Steamed Shrimp and Pork Dumplings (8) 184 2 368  4 Steamed Fish Dumplings (8) 176 2 352  Total: 920  Delivery date: 2022/06/16  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 5  Enter quantity: 1  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 1  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 6  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 3  Order Number: D731229806  Full Name: 111  Shipping Address: 111  Bank account: 合作金庫 0062013162077139  Item Code Item Price Quantity Subtotal  5 Steamed Vegetarian Mushroom Dumplings (8) 176 1 176  6 Steamed Shrimp and Pork Shiaomai (12) 396 2 792  Total: 968  Choose a delivery date  1. 2022/06/16 2. 2022/06/17 3. 2022/06/18 4. 2022/06/19  5. 2022/06/20 6. 2022/06/21 7. 2022/06/22 8. 2022/06/23  9. 2022/06/24 10. 2022/06/25 11. 2022/06/26 12. 2022/06/27  13. 2022/06/28 14. 2022/06/29 15. 2022/06/30 16. 2022/07/01  17. 2022/07/02 18. 2022/07/03 19. 2022/07/04 20. 2022/07/05  21. 2022/07/06 22. 2022/07/07 23. 2022/07/08 24. 2022/07/09  25. 2022/07/10 26. 2022/07/11 27. 2022/07/12 28. 2022/07/13  ? 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  Your order details:  Item Code Item Price Quantity Subtotal  1 Pork XiaoLongBao (12) 200 1 200  3 Steamed Shrimp and Pork Dumplings (8) 184 2 368  4 Steamed Fish Dumplings (8) 176 2 352  Total: 920  Delivery date: 2022/06/16  Item Code Item Price Quantity Subtotal  5 Steamed Vegetarian Mushroom Dumplings (8) 176 1 176  6 Steamed Shrimp and Pork Shiaomai (12) 396 2 792  Total: 968  Delivery date: 2022/06/17  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 0  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 7  Enter quantity: 1  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 1  8 Vegetable and Ground Pork Buns (5) 0  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 8  Enter quantity: 2  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 1  Your shopping cart:  Code Item Quantity  1 Pork XiaoLongBao (12) 0  2 Steamed Vegetable and Pork Dumplings (8) 0  3 Steamed Shrimp and Pork Dumplings (8) 0  4 Steamed Fish Dumplings (8) 0  5 Steamed Vegetarian Mushroom Dumplings (8) 0  6 Steamed Shrimp and Pork Shiaomai (12) 0  7 Pork Buns (5) 1  8 Vegetable and Ground Pork Buns (5) 2  9 Red Bean Buns (5) 0  10 Sesame Buns (5) 0  11 Taro Buns (5) 0  12 Vegetarian Mushroom Buns (5) 0  13 Pork Sticky Rice Buns (5) 0  14 Red Bean Sticky Rice Buns (5) 0  Enter foods code (0 to end): 9  Enter quantity: 3  1. Continue Shopping  2. Save Your Shopping Cart  3. Abandon  Enter your choice: (1~3): 2  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 3  Order Number: R172042189  Full Name: 111  Shipping Address: 111  Bank account: 合作金庫 0062013162077139  Item Code Item Price Quantity Subtotal  7 Pork Buns (5) 200 1 200  8 Vegetable and Ground Pork Buns (5) 200 2 400  9 Red Bean Buns (5) 175 3 525  Total: 1125  Choose a delivery date  1. 2022/06/16 2. 2022/06/17 3. 2022/06/18 4. 2022/06/19  5. 2022/06/20 6. 2022/06/21 7. 2022/06/22 8. 2022/06/23  9. 2022/06/24 10. 2022/06/25 11. 2022/06/26 12. 2022/06/27  13. 2022/06/28 14. 2022/06/29 15. 2022/06/30 16. 2022/07/01  17. 2022/07/02 18. 2022/07/03 19. 2022/07/04 20. 2022/07/05  21. 2022/07/06 22. 2022/07/07 23. 2022/07/08 24. 2022/07/09  25. 2022/07/10 26. 2022/07/11 27. 2022/07/12 28. 2022/07/13  ? 3  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  Your order details:  Item Code Item Price Quantity Subtotal  1 Pork XiaoLongBao (12) 200 1 200  3 Steamed Shrimp and Pork Dumplings (8) 184 2 368  4 Steamed Fish Dumplings (8) 176 2 352  Total: 920  Delivery date: 2022/06/16  Item Code Item Price Quantity Subtotal  5 Steamed Vegetarian Mushroom Dumplings (8) 176 1 176  6 Steamed Shrimp and Pork Shiaomai (12) 396 2 792  Total: 968  Delivery date: 2022/06/17  Item Code Item Price Quantity Subtotal  7 Pork Buns (5) 200 1 200  8 Vegetable and Ground Pork Buns (5) 200 2 400  9 Red Bean Buns (5) 175 3 525  Total: 1125  Delivery date: 2022/06/18  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 5  1. Login  2. Registration  3. End  Enter your choice: (1~3): 3  Exiting the system...  請按任意鍵繼續 . . . |

The screen dialog #2 (executed on 2022/6/16):

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| Welcome to DintaiFung Shopping Mall!  1. Login  2. Registration  3. End  Enter your choice: (1~3): 1  Email (Account number) (0 to end): 111  Password: 111  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  Your order details:  Item Code Item Price Quantity Subtotal  1 Pork XiaoLongBao (12) 200 1 200  3 Steamed Shrimp and Pork Dumplings (8) 184 2 368  4 Steamed Fish Dumplings (8) 176 2 352  Total: 920  Delivery date: 2022/06/16  Item Code Item Price Quantity Subtotal  5 Steamed Vegetarian Mushroom Dumplings (8) 176 1 176  6 Steamed Shrimp and Pork Shiaomai (12) 396 2 792  Total: 968  Delivery date: 2022/06/17  Item Code Item Price Quantity Subtotal  7 Pork Buns (5) 200 1 200  8 Vegetable and Ground Pork Buns (5) 200 2 400  9 Red Bean Buns (5) 175 3 525  Total: 1125  Delivery date: 2022/06/18  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 5  1. Login  2. Registration  3. End  Enter your choice: (1~3): 3  Exiting the system...  請按任意鍵繼續 . . . |

The screen dialog #3 (executed on 2022/6/17):

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| Welcome to DintaiFung Shopping Mall!  1. Login  2. Registration  3. End  Enter your choice: (1~3): 1  Email (Account number) (0 to end): 111  Password: 111  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 4  Your order details:  Item Code Item Price Quantity Subtotal  5 Steamed Vegetarian Mushroom Dumplings (8) 176 1 176  6 Steamed Shrimp and Pork Shiaomai (12) 396 2 792  Total: 968  Delivery date: 2022/06/17  Item Code Item Price Quantity Subtotal  7 Pork Buns (5) 200 1 200  8 Vegetable and Ground Pork Buns (5) 200 2 400  9 Red Bean Buns (5) 175 3 525  Total: 1125  Delivery date: 2022/06/18  1. Making order  2. Display Cart  3. Proceed to Checkout  4. Order history  5. Back to top  Enter your choice: (1~5): 5  1. Login  2. Registration  3. End  Enter your choice: (1~3): 3  Exiting the system...  請按任意鍵繼續 . . . |