Computer Programming II — Final Exam

2020/6/21

Design an Object Oriented Zuo Zhe Zuo Sushi Wo Shou Si Reservation System

(坐著做。壽司本館)

Grading rule

Output correct:

7 points MakeReservation::inputDate

7 points MakeReservation::inputTimeCode

9 points AvailSeatsDatabase::SeatsDatabase

7 points AvailSeatsDatabase:: decreaseAvailSeats

7 points AvailSeatsDatabase:: availableTimes( Date date, int requiredSeats )

7 points AvailSeatsDatabase:: availableTimes( Date date, int timeCode, int requiredSeats )

7 points AvailSeatsDatabase:: searchAvailSeats

7 points AvailSeatsDatabase::load AvailSeats

points ReservationDatabase::loadReservations

7 points AvailSeatsDatabase:: storeAvailSeats

points ReservationDatabase:: storeReservations

7 points ReservationDatabase::exist

7 points ReservationDatabase::displayReservationInfo

7 points Reservation::displayReservationInfo

7 points Date::operator-

7 points Date::operator+

Output incorrect:

6 points MakeReservation::inputDate

6 points MakeReservation::inputTimeCode

8 points AvailSeatsDatabase::SeatsDatabase

6 points AvailSeatsDatabase:: decreaseAvailSeats

6 points AvailSeatsDatabase:: availableTimes( Date date, int requiredSeats )

6 points AvailSeatsDatabase:: availableTimes( Date date, int timeCode, int requiredSeats )

6 points AvailSeatsDatabase:: searchAvailSeats

6 points AvailSeatsDatabase::load AvailSeats

points ReservationDatabase::loadReservations

6 points AvailSeatsDatabase:: storeAvailSeats

points ReservationDatabase:: storeReservations

6 points ReservationDatabase::exist

6 points ReservationDatabase::displayReservationInfo

6 points Reservation::displayReservationInfo

6 points Date::operator-

6 points Date::operator+

Sample screen dialog #1

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| Welcome to Zuo Zhe Zuo Sushi Wo Shou Si  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 0  ? 4  ? 2  Enter phone Number: 99  No reservations!  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 0  ? 7  ? 6  Choose a date  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  9. 2020/06/30 10. 2020/07/01 11. 2020/07/02 12. 2020/07/03  13. 2020/07/04 14. 2020/07/05 15. 2020/07/06 16. 2020/07/07  17. 2020/07/08 18. 2020/07/09 19. 2020/07/10 20. 2020/07/11  21. 2020/07/12 22. 2020/07/13 23. 2020/07/14 24. 2020/07/15  25. 2020/07/16 26. 2020/07/17 27. 2020/07/18 28. 2020/07/19  29. 2020/07/20 30. 2020/07/21  ? 0  ? 31  ? 9  Choose a time:  1. 11:30  2. 13:30  3. 17:45  4. 19:45  ? 0  ? 5  ? 1  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 0  ? 4  ? 1  6 guests 2020/06/30 11:30  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 2  Enter phone Number: 99  1. 6 guests 2020/06/30 11:30  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 3  Thank you. Goodbye.  請按任意鍵繼續 . . . |

Sample screen dialog #2

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| Welcome to Zuo Zhe Zuo Sushi Wo Shou Si  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 2  Enter phone Number: 99  1. 6 guests 2020/06/30 11:30  2. 6 guests 2020/06/30 11:30  3. 6 guests 2020/06/30 11:30  4. 6 guests 2020/06/30 13:30  5. 6 guests 2020/06/30 13:30  6. 6 guests 2020/06/30 17:45  7. 6 guests 2020/06/30 17:45  8. 6 guests 2020/06/30 17:45  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 6  Choose a date **displayed in MakeReservation::inputDate**  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  9. 2020/06/30 10. 2020/07/01 11. 2020/07/02 12. 2020/07/03  13. 2020/07/04 14. 2020/07/05 15. 2020/07/06 16. 2020/07/07  17. 2020/07/08 18. 2020/07/09 19. 2020/07/10 20. 2020/07/11  21. 2020/07/12 22. 2020/07/13 23. 2020/07/14 24. 2020/07/15  25. 2020/07/16 26. 2020/07/17 27. 2020/07/18 28. 2020/07/19  29. 2020/07/20 30. 2020/07/21  ? 9  Choose a time: **displayed in MakeReservation::inputTimeCode**  2. 13:30  4. 19:45  ? 1  ? 3  ? 2  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 1  6 guests 2020/06/30 13:30  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 6  Choose a date  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  9. 2020/06/30 10. 2020/07/01 11. 2020/07/02 12. 2020/07/03  13. 2020/07/04 14. 2020/07/05 15. 2020/07/06 16. 2020/07/07  17. 2020/07/08 18. 2020/07/09 19. 2020/07/10 20. 2020/07/11  21. 2020/07/12 22. 2020/07/13 23. 2020/07/14 24. 2020/07/15  25. 2020/07/16 26. 2020/07/17 27. 2020/07/18 28. 2020/07/19  29. 2020/07/20 30. 2020/07/21  ? 9  Choose a time:  4. 19:45  ? 4  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 1  6 guests 2020/06/30 19:45  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 6  Choose a date  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  9. 2020/06/30 10. 2020/07/01 11. 2020/07/02 12. 2020/07/03  13. 2020/07/04 14. 2020/07/05 15. 2020/07/06 16. 2020/07/07  17. 2020/07/08 18. 2020/07/09 19. 2020/07/10 20. 2020/07/11  21. 2020/07/12 22. 2020/07/13 23. 2020/07/14 24. 2020/07/15  25. 2020/07/16 26. 2020/07/17 27. 2020/07/18 28. 2020/07/19  29. 2020/07/20 30. 2020/07/21  ? 9  Choose a time:  4. 19:45  ? 4  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 1  6 guests 2020/06/30 19:45  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 6  Choose a date  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  9. 2020/06/30 10. 2020/07/01 11. 2020/07/02 12. 2020/07/03  13. 2020/07/04 14. 2020/07/05 15. 2020/07/06 16. 2020/07/07  17. 2020/07/08 18. 2020/07/09 19. 2020/07/10 20. 2020/07/11  21. 2020/07/12 22. 2020/07/13 23. 2020/07/14 24. 2020/07/15  25. 2020/07/16 26. 2020/07/17 27. 2020/07/18 28. 2020/07/19  29. 2020/07/20 30. 2020/07/21  ? 9  Choose a time:  4. 19:45  ? 4  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 1  6 guests 2020/06/30 19:45  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 2  Enter phone Number: 99  1. 6 guests 2020/06/30 11:30  2. 6 guests 2020/06/30 11:30  3. 6 guests 2020/06/30 11:30  4. 6 guests 2020/06/30 13:30  5. 6 guests 2020/06/30 13:30  6. 6 guests 2020/06/30 17:45  7. 6 guests 2020/06/30 17:45  8. 6 guests 2020/06/30 17:45  9. 6 guests 2020/06/30 13:30  10. 6 guests 2020/06/30 19:45  11. 6 guests 2020/06/30 19:45  12. 6 guests 2020/06/30 19:45  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 1  Enter the party size (1~6): ? 6  Choose a date  1. 2020/06/22 2. 2020/06/23 3. 2020/06/24 4. 2020/06/25  5. 2020/06/26 6. 2020/06/27 7. 2020/06/28 8. 2020/06/29  10. 2020/07/01 11. 2020/07/02 12. 2020/07/03 13. 2020/07/04  14. 2020/07/05 15. 2020/07/06 16. 2020/07/07 17. 2020/07/08  18. 2020/07/09 19. 2020/07/10 20. 2020/07/11 21. 2020/07/12  22. 2020/07/13 23. 2020/07/14 24. 2020/07/15 25. 2020/07/16  26. 2020/07/17 27. 2020/07/18 28. 2020/07/19 29. 2020/07/20  30. 2020/07/21  ? 9  ? 8  Choose a time:  1. 11:30  2. 13:30  3. 17:45  4. 19:45  ? 1  Enter name: 99  Enter phone Number: 99  Choose a menu:  1. NT$ 1080  2. NT$ 1680  3. NT$ 2280  ? 1  6 guests 2020/06/29 11:30  Reservation Completed  Enter Your Choice  1. Make Reservation  2. Reservation Enquiry  3. End Program  ? 3  Thank you. Goodbye.  請按任意鍵繼續 . . . |