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| **White Box Test** |
| “CINEMA BOX OFFICE(ONLINE)” |
| Versión 1.0 |
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## CINEMA BOX OFFICE(ONLINE)

**SOURCE CODE**

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| **Package Controller**  FileManager:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.controller;  import java.io.BufferedReader;  import java.io.File;  import java.io.FileReader;  import java.io.FileWriter;  import java.io.IOException;  import java.io.PrintWriter;  import java.util.logging.Level;  import java.util.logging.Logger;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public final class FileManager {  private String fileName;  private File file;  private boolean answer = true;  public FileManager(String fileName) {  this.fileName = fileName;  }  public boolean createFile() {  file = new File(fileName);  if (!file.exists()) {  try {  file.createNewFile();  } catch (IOException ex) {  Logger.getLogger(Object.class.getName()).log(Level.SEVERE, null, ex);  answer = false;  }  }  return answer;  }  public boolean writeFile(String informationToSave) {  createFile();  try (FileWriter fileWriter = new FileWriter(file, true);  PrintWriter printWriter = new PrintWriter(fileWriter)) {  printWriter.println(informationToSave);  printWriter.close();  try {  fileWriter.close();  } catch (IOException ex) {  Logger.getLogger(Object.class.getName()).log(Level.SEVERE, null, ex);  answer = false;  }  } catch (IOException ex) {  Logger.getLogger(Object.class.getName()).log(Level.SEVERE, null, ex);  answer = false;  }  return answer;  }  public boolean readFile() {  createFile();  try {  FileReader fileReader = new FileReader(file);  BufferedReader bufferReader = new BufferedReader(fileReader);  String stringData = "";  while (stringData != null) {  System.out.println(stringData);  stringData = bufferReader.readLine();  }  } catch (IOException ex) {  Logger.getLogger(Object.class.getName()).log(Level.SEVERE, null, ex);  answer = false;  }  return answer;  }  public void deleteFile() {  file = new File(fileName);  if (file.exists()) {  file.delete();  System.out.println("The file " + file + " was delete");  } else {  System.out.println("The file " + file + " don't exist");  }  }  public boolean findRecord(String seeker) {  createFile();  boolean flat = false;  try {  FileReader fileReader = new FileReader(file);  BufferedReader bufferReader = new BufferedReader(fileReader);  String linea;  while ((linea = bufferReader.readLine()) != null) {  String[] searchWord = linea.split(",");  if (searchWord[0].equals(seeker)) {  System.out.println(linea);  flat = true;  }  }  if (flat == false) {  System.out.println("Non-existent movie or unregistered movies on "  + "billboard");  }  } catch (IOException ex) {  Logger.getLogger(Object.class.getName()).log(Level.SEVERE, null, ex);  answer = false;  }  return answer;  }  }  RecordInformation:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.controller;  import ec.edu.espe.cinemaboxoffice.model.FoodCombo;  import ec.edu.espe.cinemaboxoffice.model.Movie;  import ec.edu.espe.cinemaboxoffice.model.Promotion;  import ec.edu.espe.cinemaboxoffice.model.Room;  import ec.edu.espe.cinemaboxoffice.utils.Keyboard;  import java.io.IOException;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class RecordInformation {  private Movie movie;  private Promotion promotion;  Keyboard in = new Keyboard();  public void createMovie() throws IOException {  boolean repeat = false;  String answer;  String movieTitle;  String movieGender;  int roomNumberForMovie;  String roomFormatForMovie;  float moviePrice = 3.0f;  FileManager file = new FileManager("MovieList.txt");  do {  Room room = new Room();  movieTitle = in.getString("Enter the movie title");  movieGender = in.getString("Enter the movie gender: ");  room.showDataRoom();  roomNumberForMovie = in.getInt("Enter the movie room: )", 1);  roomFormatForMovie = in.getString("Enter the movie format: ");  if ("2D".equals(roomFormatForMovie)){  moviePrice = moviePrice + 3.50f;  }  if ("3D".equals(roomFormatForMovie)){  moviePrice = moviePrice + 5.0f;  }  movie = new Movie(movieTitle, movieGender, roomNumberForMovie, roomFormatForMovie, moviePrice);  System.out.println(file.writeFile(movie.toString()));  answer = in.getStringAnswer("Add more movies[yes/no]: ");  if ("no".equals(answer)) {  repeat = true;  }  } while (repeat == false);    }    public void deleteMovie(String fileName) {  FileManager file = new FileManager(fileName);  file.deleteFile();  }  public void createPromotion() throws IOException {  FileManager file = new FileManager("PromotionsList.txt");  FoodCombo foodCombo = new FoodCombo(0, "", "", "", 0);  boolean repeat = false;  String name;  String day;  String answer;  do {  name = "Combo" + Integer.toString(foodCombo.menuCombo());  day = in.getString("Enter the day promotion: ");  answer = in.getStringAnswer("Add more movies[yes/no]: ");  if ("no".equals(answer)) {  repeat = true;  }  } while (repeat == false);  promotion = new Promotion(name, day);  file.writeFile(promotion.toString());  }  public void deletePromotion(String fileName) {  FileManager file = new FileManager(fileName);  file.deleteFile();  }  }  **Package Model**  Admin:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  import ec.edu.espe.cinemaboxoffice.controller.RecordInformation;  import ec.edu.espe.cinemaboxoffice.utils.Keyboard;  import ec.edu.espe.cinemaboxoffice.utils.Screen;  import ec.edu.espe.filemanagerlibrary.FileManagerLib;  import java.io.IOException;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Admin {  private String userName;  private int keyUser;  Keyboard in = new Keyboard();  Screen cls = new Screen();  RecordInformation infoRecord = new RecordInformation();  public Admin(String userName, int keyUser) {  this.userName = userName = "Kevin";  this.keyUser = keyUser = 123;  }  public void adminMenu() throws IOException {  int option;  boolean repeat = false;  while (repeat == false) {  System.out.println(" 1: Organize movie list \n 2: Organize promotions \n 3: Exit");  option = in.getInt("Enter an option: ", 1);  switch (option) {  case 1:  organizeMovieList();  break;  case 2:  organizePromotions();  break;  case 3:  repeat = true;  break;  default:  System.out.println("Incorrect option");  break;  }  }  }  public void enterUser() {  String loginName;  int keyUser2;  do {  loginName = in.getString("Username: ");  if (!loginName.equals(userName)) {  System.out.println("Incorrect Username. Please enter again");  }  } while (!loginName.equals(userName));  do {  keyUser2 = in.getInt("Password: ", 3);  } while (keyUser2 != keyUser);  }  public void organizeMovieList() throws IOException {  FileManagerLib file = new FileManagerLib("MovieList.txt");  boolean repeat = false;  int option;  String fileName;  do {  System.out.println(" 1: Create Movie \n 2: Delete Movie \n 3: Exit");  option = in.getInt("Enter an option: ", 1);  switch (option) {  case 1:  infoRecord.createMovie();  break;  case 2:  FileManagerLib.readFile();  fileName = in.getString("enter the name of file for delete: ");  infoRecord.deleteMovie(fileName + ".txt");  break;  case 3:  repeat = true;  break;  }  } while (repeat == false);  }  public void organizePromotions() throws IOException {  FileManagerLib file = new FileManagerLib("PromotionsList.txt");  boolean repeat = false;  String fileName;  int option;  do {  System.out.println(" 1: Save Promotion \n 2: Delete Promotion \n 3: Exit");  option = in.getInt("Enter an option: ", 1);  switch (option) {  case 1:  infoRecord.createPromotion();  break;  case 2:  FileManagerLib.readFile();  fileName = in.getStringAnswer("you want to delete the promotion list[yes/no]: ");  if ("yes".equals(fileName)) {  infoRecord.deletePromotion("PromotionsList.txt");  }  break;  case 3:  repeat = true;  break;  }  } while (repeat == false);  }  /\*\*  \* @return the loginName  \*/  public String getUserName() {  return userName;  }  /\*\*  \* @param userName the loginName to set  \*/  public void setUserName(String userName) {  this.userName = userName;  }  /\*\*  \* @return the keyUser  \*/  public int getKeyUser() {  return keyUser;  }  /\*\*  \* @param keyUser the keyUser to set  \*/  public void setKeyUser(int keyUser) {  this.keyUser = keyUser;  }  }  Bill:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Bill {  private Customer customer;  private int idBill;  private float priceToPay;  private Payment payment;  public Bill(Customer customer, int idBill, float priceToPay, Payment payment) {  this.customer = customer;  this.idBill = idBill;  this.priceToPay = priceToPay;  this.payment = payment;  }      public Customer getCustomer() {  return customer;  }  public void setCustomer(Customer customer) {  this.customer = customer;  }  public int getIdBill() {  return idBill;  }  public void setIdBill(int idBill) {  this.idBill = idBill;  }  public float getPriceToPay() {  return priceToPay;  }  public void setPriceToPay(float priceToPay) {  this.priceToPay = priceToPay;  }  public Payment getPayment() {  return payment;  }  public void setPayment(Payment payment) {  this.payment = payment;  }    public void showBillData(){    }    public void saveBill(){    }  }  Billboard:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  import ec.edu.espe.cinemaboxoffice.utils.Keyboard;  import ec.edu.espe.cinemaboxoffice.utils.Screen;  import ec.edu.espe.filemanagerlibrary.FileManagerLib;  import java.io.File;  import java.io.IOException;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Billboard {  private Room room;  private Admin admin;  Keyboard in = new Keyboard();  Screen cls = new Screen();  FileManagerLib fileManagerLib;  Seat seat;  Ticket ticket;  public void billboardMenu() throws IOException {  boolean repeat = false;  String selection = "";  int election;  do {  System.out.println("1: Search a movie \n 2: See Billboard \n 3: Promotions \n 4: Exit");  int option = in.getInt("Please, enter an option: ", 1);  switch (option) {  case 1:  fileManagerLib = new FileManagerLib("MovieList.txt");  selection = in.getString("Search: ");  FileManagerLib.findRecord(selection);  break;  case 2:  Screen.cleanScreen();  checkEmptyness(selection);  break;  case 3:  Screen.cleanScreen();  showPromotions();  election = in.getInt("choose the number of promotion[100n]: ", 4);  choosePromotion(election);  break;  case 4:  repeat = true;  break;  default:  System.out.println("Incorrect option");  break;  }  } while (repeat == false);  }  public void checkEmptyness(String selection) {  File f = new File("MovieList.txt");  do {  if (f.length() == 0) {  System.out.println("No movies have been registered yet");  } else {  showMoviesList();  selection = in.getString("What movie do you want to watch?: ");  chooseMovie(selection);  }  } while (f.length() != 0);  }    public void showMoviesList() {  fileManagerLib = new FileManagerLib("MovieList.txt");  FileManagerLib.readFile();  }  public void showPromotions() {  fileManagerLib = new FileManagerLib("PromotionsList.txt");  FileManagerLib.readFile();  }  public void chooseMovie(String selection) {  fileManagerLib = new FileManagerLib(selection + ".txt");  FileManagerLib.readFile();  Ticket.generateTicket(chooseSeat(selection), selection);  }  public void choosePromotion(int numberPromotion) {  String selection = in.getString("choose the title movie: ");  fileManagerLib = new FileManagerLib(selection + ".txt");  FileManagerLib.readFile();  Ticket.generateTicket(chooseSeat(selection), selection);  }  public String chooseSeat(String selection) {  boolean repeat;  String chosenSeat;  int aux;  do {  chosenSeat = in.getString("choose the number of seat: ");  aux = Integer.parseInt(chosenSeat);  if (aux > 0 & aux < 101) {  System.out.println(aux);  seat = new Seat(selection, chosenSeat, true);  FileManagerLib.writeFile(seat.toString());  repeat = true;  } else {  System.out.println(aux);  System.out.println("incorrect number seat, please log in again");  repeat = false;  }  System.out.println(repeat);  } while (repeat == false);  return chosenSeat;  }  }  Customer:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  import java.io.IOException;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Customer {    private String cardNumber;  private String id;  private String name;  private int age;  public Customer(String cardNumber, String id, String name, int age) {  this.cardNumber = cardNumber;  this.id = id;  this.name = name;  this.age = age;  }  public Customer() {    }  @Override  public String toString() {  return "Customer{" + "cardNumber=" + cardNumber + ", id=" + id + ", name=" + name + ", age=" + age + '}';  }        public void enterBillboard() throws IOException{  Billboard billboard = new Billboard();  billboard.billboardMenu();  }    public void exitBillboard(){    }  public String getCardNumber() {  return cardNumber;  }  public void setCardNumber(String cardNumber) {  this.cardNumber = cardNumber;  }  public String getId() {  return id;  }  public void setId(String id) {  this.id = id;  }  public String getName() {  return name;  }  public void setName(String name) {  this.name = name;  }  public int getAge() {  return age;  }  public void setAge(int age) {  this.age = age;  }        }  FoodCombo:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  import ec.edu.espe.cinemaboxoffice.utils.Keyboard;  import java.util.ArrayList;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class FoodCombo {  private int numberCombo;  private String drink;  private String snack;  private String fastFood;  private float priceFood;  public FoodCombo(int numberCombo, String drink, String snack, String fastFood, float priceFood) {  this.numberCombo = numberCombo;  this.drink = drink;  this.snack = snack;  this.fastFood = fastFood;  this.priceFood = priceFood;  }  public int menuCombo() {  Keyboard in = new Keyboard();  ArrayList<FoodCombo> combos = new ArrayList<>();  boolean repeat = false;  int election;  combos.add(new FoodCombo(1,"CocaCola", "1", "cangreburger", 2.50F));  combos.add(new FoodCombo(2,"CocaCola", "2", "hot dog", 2.50F));  combos.add(new FoodCombo(3,"CocaCola", "3", "pizza", 2.50F));  combos.add(new FoodCombo(4,"CocaCola", "4", "chips", 2.50F));  combos.add(new FoodCombo(5,"CocaCola", "5", "cangreburger", 2.50F));  System.out.println(combos);  do {  election = in.getInt("Choose the number of combo: ", 1);  if (election < 5 & election > 0) {  combos.get(election);  repeat = true;  }  else{  System.out.println("The combo don't exist");  repeat = false;  }  } while(repeat = false);  return election;  }  @Override  public String toString() {  return "\n" + numberCombo + "," + drink + "," + snack + "," + fastFood + "," + priceFood;  }  }  Movie:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Movie {  private String movieTitle;  private String movieGender;  private int roomNumberForMovie;  private String roomFormatForMovie;  private float moviePrice;  public Movie(String movieTitle, String movieGender, int roomNumberForMovie, String roomFormatForMovie, float moviePrice) {  this.movieTitle = movieTitle;  this.movieGender = movieGender;  this.roomNumberForMovie = roomNumberForMovie;  this.roomFormatForMovie = roomFormatForMovie;  this.moviePrice = moviePrice;  }  @Override  public String toString() {  return movieTitle + "," + movieGender + "," + roomNumberForMovie + "," + roomFormatForMovie + "," + moviePrice;  }  public String getMovieTitle() {  return movieTitle;  }  public void setMovieTitle(String movieTitle) {  this.movieTitle = movieTitle;  }  public String getMovieGender() {  return movieGender;  }  public void setMovieGender(String movieGender) {  this.movieGender = movieGender;  }  public int getRoomNumberForMovie() {  return roomNumberForMovie;  }  public void setRoomNumberForMovie(int roomNumberForMovie) {  this.roomNumberForMovie = roomNumberForMovie;  }  public String getRoomFormatForMovie() {  return roomFormatForMovie;  }  public void setRoomFormatForMovie(String roomFormatForMovie) {  this.roomFormatForMovie = roomFormatForMovie;  }  public float getMoviePrice() {  return moviePrice;  }  public void setMoviePrice(float moviePrice) {  this.moviePrice = moviePrice;  }    }  Payment:  /\*  \* To change this license header, choose License Headers in Project Properties.  \* To change this template file, choose Tools | Templates  \* and open the template in the editor.  \*/  package ec.edu.espe.cinemaboxoffice.model;  import ec.edu.espe.cinemaboxoffice.utils.Keyboard;  import ec.edu.espe.cinemaboxoffice.utils.Validation;  import ec.edu.espe.filemanagerlibrary.FileManagerLib;  import java.io.IOException;  /\*\*  \*  \* @author Kevin Chuquimarca ESPE-DCCO  \*/  public class Payment {  private Customer customer;  //private String card;    Keyboard in = new Keyboard();  FileManagerLib file;    public void createPayment() throws IOException{    boolean repeat = false;  String cardNumber;  String customerId;  String customerName;  int customerAge;  file = new FileManagerLib("Bill.txt");    do{  cardNumber = in.getString("Enter your card number: ");  customerId = in.getString("Enter your ID: ");  customerName = in.getString("Enter your name: ");  customerAge = in.getInt("Enter your age", 2);  customer = new Customer(cardNumber, customerId, customerName, customerAge);  System.out.println(file.writeFile(customer.toString()));    }while(repeat == false);  }    public void cancelPay(){    }  } |