// I was unable to display the changing of the vacant seats to taken seats

//Also, I could not implement the remaining seats per row

// https://github.com/mannanarama/CS-256

#include <stdio.h>

int main()

{

int rows = 15;

int col = 30;

char seatMap[rows][col];

int rowPrice[rows];

int i, x, y;

for(i = 0; i < rows; i++)

{

printf("Please enter seat price for row %d: ", (i + 1));

scanf("%d", &rowPrice[i+1]);

}

for (x = 0; x < rows; x++)

{

for (y = 0; y < col; y++)

{

seatMap[x][y] = '#';

}

}

int total = 0;

int remainSeats = 450;

int menuChoice;

do{

menu();

scanf("%d", &menuChoice);

switch(menuChoice)

{

case 1:

printf("Buy a ticket\n");

int chooseRow, chooseSeat;

printf("Which row? ");

scanf("%d", &chooseRow);

if(chooseRow < 1 || chooseRow > 15)

{

printf("Invalid Response");

}

printf("Which seat? ");

scanf("%d", &chooseSeat);

if(chooseSeat < 1 || chooseSeat > 30)

{

printf("Invalid Response");

}

if(seatMap[chooseRow][chooseSeat] == '#')

{

printf("\nThis seat is available!\n");

int ticketPrice = rowPrice[chooseRow];

total = total + ticketPrice;

printf("This ticket costs $%d\n", ticketPrice);

seatMap[chooseRow][chooseSeat] == '\*';

remainSeats = remainSeats - 1;

printf("Thank you for your purchase!\n");

}

else if(seatMap[chooseRow][chooseSeat] == '\*')

{

printf("Sorry that seat is sold out\n");

}

break;

case 2:

printf("\nTotal tickets sales\n");

printf("$%d\n", total);

break;

case 3:

//Unable to figure out

break;

case 4:

printf(" 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0");

int a, b;

for(a = 0; a < 15; a++)

{

printf("\nRow %d", (a + 1));

for(b = 0; b < 30; b++)

{

printf(" %c", seatMap[x][y]);

}

}

printf("\n\tRemaining Seats: %d", remainSeats);

break;

}

}while(menuChoice!=5);

return 0;

}

void menu()

{

printf("\n");

printf("1. Buy a ticket\n");

printf("2. Display total tickets sold\n");

printf("3. Display available seats in each row\n");

printf("4. Display available seats in auditorium\n");

printf("5. Quit program\n");

}