PROGETTO BASI DI DATI

NEGOZIO ELETTRONICO DI VIDEOGIOCHI

- Spolaor Riccardo (864877) -
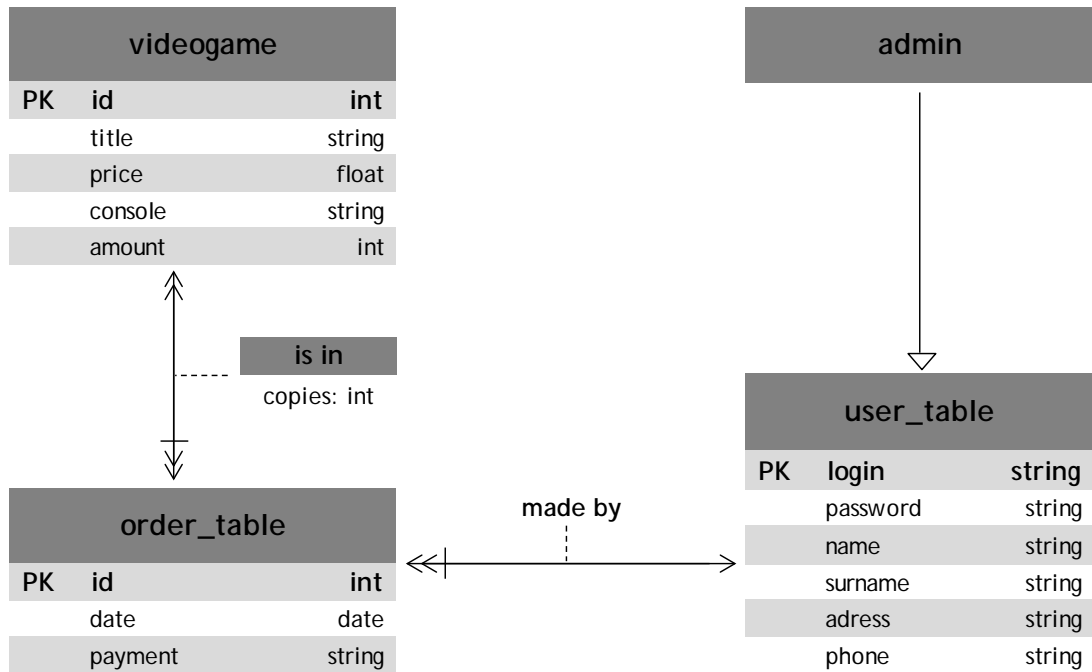
DESCRIZIONE

NEGOZIO ELETTRONICO DI VIDEOGIOCHI:

Base di dati contenente:

- Videogiochi (titolo, console, prezzo, quantità disponibile in magazzino);
- Utenti (nome e cognome, indirizzo, telefono, login e password);
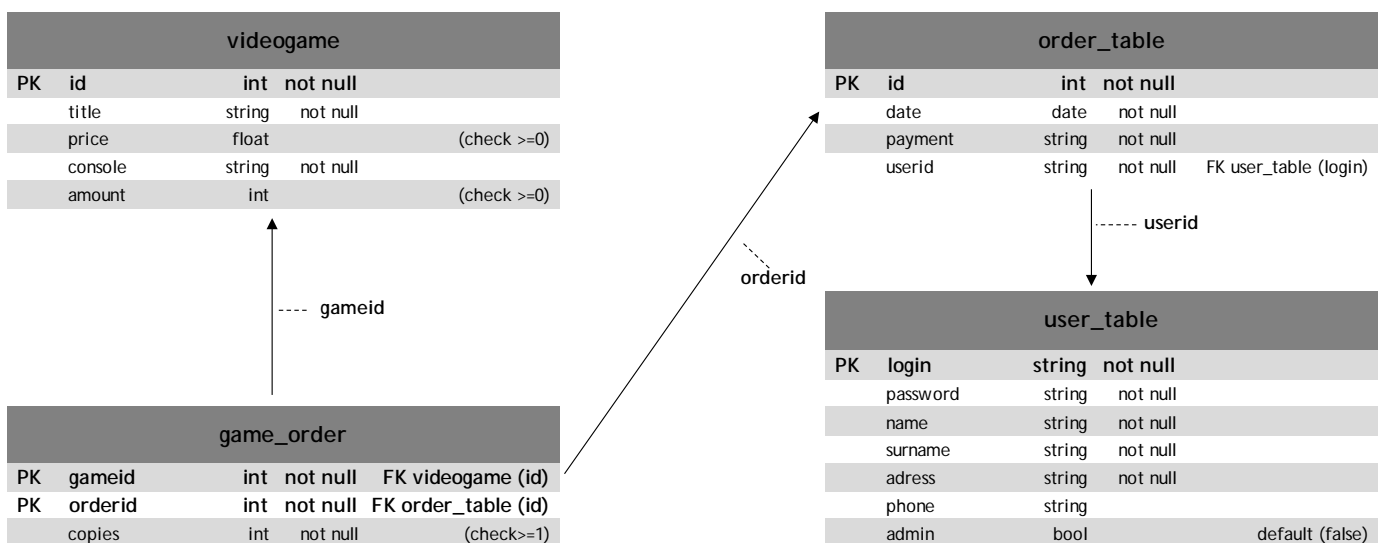- Ordini (utente, titoli ordinati, data, tipo di pagamento);

Sito sviluppato in PhpStorm che permette di fare:

- Accesso senza login:
    - Accesso al catalogo dei videogiochi;
    - Ricerca dei videogiochi dal catalogo;
    - Registrazione di un nuovo utente;
    - Login di un utente o amministratore;
    - Aggiunta prodotti al carrello che rimane salvato in sessione anche dopo il login utente.

- Accesso con login utente:
    - Aggiunta prodotti al carrello;
    - Ordine dei prodotti inseriti nel carrello;
    - Visualizzazione dei propri ordini;
    - Cancellazione dei propri ordini.

- Accesso con login di amministratore:
    - Amministrazione utenti (ricerca utenti; modifica dei dati; cancellazione; registrazione nuovi utenti, amministrazione ordini di un utente specifico);
    - Amministrazione admin (ricerca admin; modifica dei dati; promozione utente ad admin; rimozione poteri di amministratore ad un admin);
    - Amministrazione prodotti: (ricerca prodotti; modifica dei dati; cancellazione prodotto; registrazione nuovo prodotto);
    - Amministrazione ordini: (ricerca ordini; modifica quantità o rimozione di prodotti dell'ordine; eliminazione ordini).

SCHEMA AD OGGETTI

videogame

PK	id	int
	title	string
	price	float
	console	string
	amount	int

admin

is in

copies: int

user_table

PK	login	string
	password	string
	name	string
	surname	string
	adress	string
	phone	string

order_table

PK	id	int
	date	date
	payment	string

made by

SCHEMA RELAZIONALE

videogame

PK	id	int	not null	
	title	string	not null	
	price	float		(check >=0)
	console	string	not null	
	amount	int		(check >=0)

order_table

PK	id	int	not null	
	date	date	not null	
	payment	string	not null	
	userid	string	not null	FK user_table (login)

----- userid

game_order

PK	gameid	int	not null	FK videogame (id)
PK	orderid	int	not null	FK order_table (id)
	copies	int	not null	(check>=1)

---- gameid

orderid

user_table

PK	login	string	not null	
	password	string	not null	
	name	string	not null	
	surname	string	not null	
	adress	string	not null	
	phone	string		
	admin	bool		default (false)

CODICE CREAZIONE DATABASE (gamestore)

```
CREATE TABLE user_table (
        login TEXT PRIMARY KEY NOT NULL,
        password TEXT NOT NULL,
        name TEXT NOT NULL,
        surname TEXT NOT NULL,
        adress TEXT NOT NULL,
        phone TEXT,
        admin BOOLEAN DEFAULT false
);


CREATE TABLE videogame (
        id INTEGER PRIMARY KEY NOT NULL,
        title TEXT NOT NULL,
        price FLOAT CHECK (price >=0),
        console TEXT NOT NULL,
        amount INTEGER CHECK (amount >= 0)
);


CREATE TABLE order_table (
        id INTEGER PRIMARY KEY NOT NULL,
        date DATE NOT NULL,
        payment TEXT NOT NULL,
        userid TEXT REFERENCES user_table (login) ON UPDATE CASCADE ON DELETE CASCADE NOT NULL
);


CREATE TABLE game_order (
        gameid INTEGER REFERENCES videogame (id) NOT NULL,
        orderid INTEGER REFERENCES order_table (id) ON DELETE CASCADE NOT NULL,
        copies INTEGER NOT NULL CHECK (copies >= 1),
        PRIMARY KEY (gameid, orderid)
);
```

```sql
INSERT INTO user_table (login, password, name, surname, adress, phone, admin) VALUES (
        'riccardo_admin',
        'riccardo_admin',
        'Riccardo',
        'Spolaor',
        'Via F. Petrarca 2, Spinea (VE)',
        '3391007760',
        true
);


INSERT INTO user_table (login, password, name, surname, adress) VALUES (
        'super_mario',
        'mustache',
        'Mario',
        'Mario',
        'Via dei Funghi 10, Regno dei Funghi'
);


INSERT INTO videogame (id, title, price, console, amount) VALUES (
        1,
        'God of War',
        74.98,
        'PS4',
        30
);
```

DIAGRAMMA DEL SITO (gamestore)
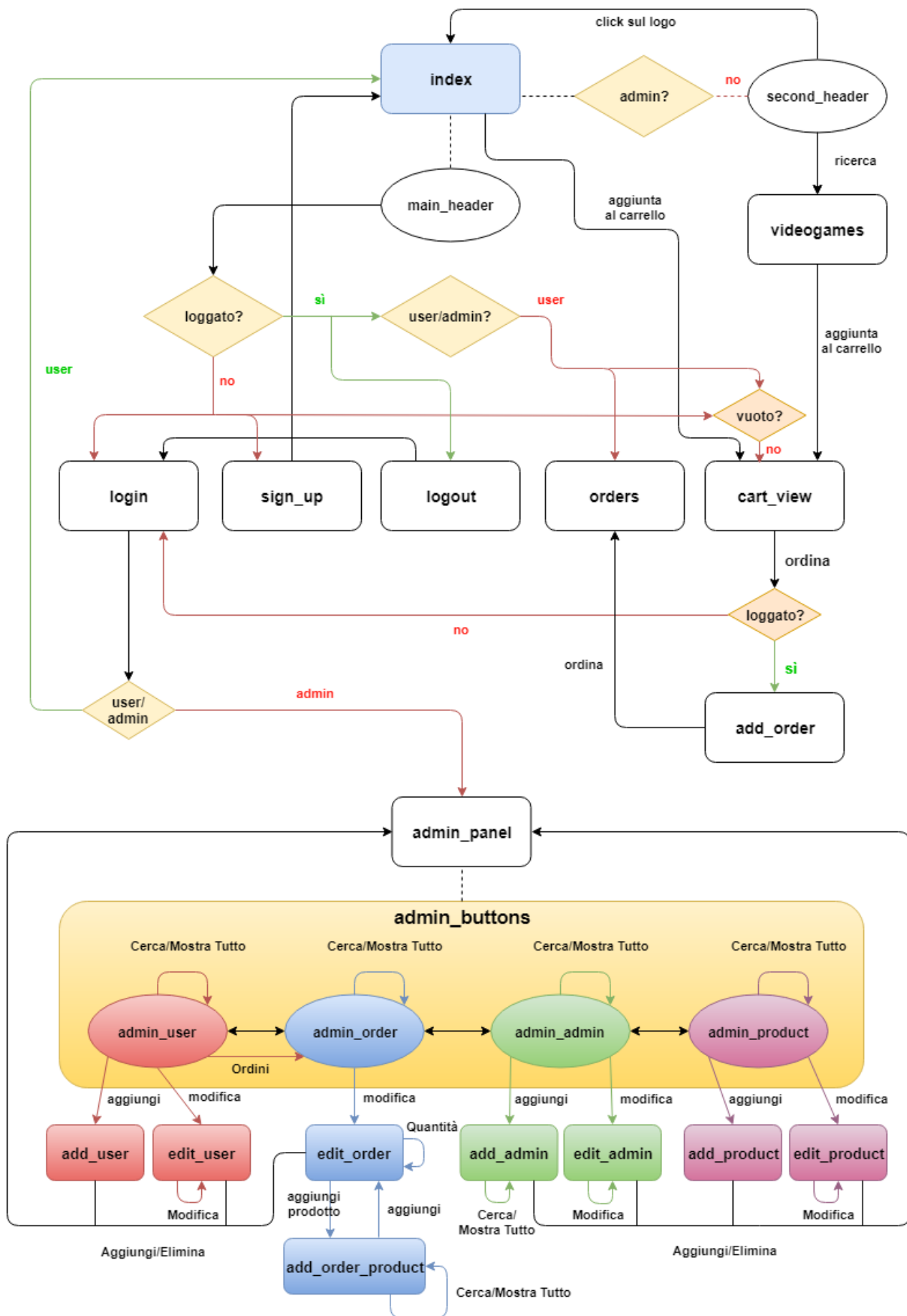
index.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['user'])&&$_SESSION['user'] == 'admin') {
    header ('Location: ..\admin\admin_panel.php');
}
?>



<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <?php
        try {
            $database_handler = new PDO ($dns);
            $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
        } catch (PDOException $e) {
            echo $e->getMessage();
            die();
        }
        $query = "
        SELECT *
        FROM videogame
        WHERE console = 'Xbox One'
        GROUP BY id
        ORDER BY id DESC
        LIMIT 4
        ";
        $statement = $database_handler->prepare($query);
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $xboxone_result = $statement->fetchAll(PDO::FETCH_ASSOC);

        $query = "
        SELECT *
        FROM videogame
        WHERE console = 'PS4'
        GROUP BY id
        ORDER BY id DESC
        LIMIT 4
        ";
        $statement = $database_handler->prepare($query);
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $ps4_result = $statement->fetchAll(PDO::FETCH_ASSOC);

        $query = "
        SELECT *
```

```php
        FROM videogame
        WHERE console = 'Switch'
        GROUP BY id
        ORDER BY id DESC
        LIMIT 4
        ";
        $statement = $database_handler->prepare($query);
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $switch_result = $statement->fetchAll(PDO::FETCH_ASSOC);

        $query = "
        SELECT *
        FROM videogame
        WHERE console = 'PC'
        GROUP BY id
        ORDER BY id DESC
        LIMIT 4
        ";
        $statement = $database_handler->prepare($query);
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $pc_result = $statement->fetchAll(PDO::FETCH_ASSOC);

        $database_handler = null;
        ?>

        <section class="main_content">
            <br>
            <br>
            <br>

            <table class = 'games_table' align="center" style="text-align:
center">

                <caption id = 'ps_caption'>
                    ULTIME USCITE PS4
                    <img src="../web/icons/PS.png" style="-webkit-filter:
invert(100%); vertical-align: middle" height = '30'/>
                </caption>

                <tr>
                <?php

                $result = $ps4_result;

                if ($result != null):
                    foreach ($result as $row): ?>
                    <td>
                        <img height="200"
                            src="<?php file_exists("../web/images/" .
$row['id'] . ".jpg") ? print "../web/images/" . $row['id'] . ".jpg" :
                                print '../web/images/NA.jpg'; ?>"
                        >

                        <br>
                        <br>

                        <?php echo $row['title'].' - '.$row['console']; ?>
```

```php
                    <br>

                    <?php echo '€ '.$row['price'].' - ';
                    $row['amount']>0 ? print 'Disponibile' : print 'Non
Disponibile' ?>

                    <br>
                    <br>

                    <?php if ($row['amount']>0) : ?>
                    <a href="../cart/cart_action.php?id=<?php echo
$row['id']?>&action=add&amount=1">
                            <button class="cart_add_button">
                                ACQUISTA ORA!
                            </button>
                    </a>

                    <?php else: ?>
                    <b style="color: darkred;">
                        AL MOMENTO NON DISPONIBILE
                    </b>
                    <?php endif; ?>

                </td>
                <?php endforeach;
            endif;?>
            </tr>
        </table>

        <br>
        <br>

        <table class="games_table" align="center" style="text-align:
center">
            <caption id="xbox_caption">
                ULTIME USCITE Xbox One
                <img src="../web/icons/XBOX.png" style="-webkit-filter:
invert(100%); vertical-align: middle" height = '30'/>
            </caption>

            <tr>
            <?php
            $result = $xboxone_result;

            if ($result != null):
                foreach ($result as $row): ?>
                <td>
                    <img height="200"
                        src="<?php file_exists("../web/images/" .
$row['id'] . ".jpg") ? print "../web/images/" . $row['id'] . ".jpg" :
                            print '../web/images/NA.jpg'; ?>"
                    >

                    <br>
                    <br>

                    <?php echo $row['title'].' - '.$row['console']; ?>

                    <br>

                    <?php echo '€ '.$row['price'].' - ';
                    $row['amount']>0 ? print 'Disponibile' : print 'Non
```

```php
Disponibile' ?>

                        <br>
                        <br>

                        <?php if ($row['amount']>0) : ?>

                        <a href="../cart/cart_action.php?id=<?php echo
$row['id']?>&price=<?php echo $row['price']?>&action=add&amount=1">

                            <button class="cart_add_button">
                                ACQUISTA ORA!
                            </button>
                        </a>

                        <?php else: ?>
                        <b style="color: darkred;">
                            AL MOMENTO NON DISPONIBILE
                        </b>
                        <?php endif; ?>

                </td>

                    <?php endforeach;
                endif;?>

                </tr>
            </table>

            <br>
            <br>

            <table class='games_table' align="center" style="text-align:
center">

                <caption id = 'nintendo_caption'>
                    ULTIME USCITE Switch
                    <img src="../web/icons/NINTENDO.png" style="-webkit-filter:
invert(100%); vertical-align: middle" height = '30'/>
                </caption>

                <tr>
                <?php
                $result = $switch_result;
                if ($result != null):
                    foreach ($result as $row): ?>
                    <td>
                        <img height="200"
                            src="<?php file_exists("../web/images/" .
$row['id'] . ".jpg") ? print "../web/images/" . $row['id'] . ".jpg" :
                                print '../web/images/NA.jpg'; ?>"
                        >

                        <br>
                        <br>

                        <?php echo $row['title'].' - '.$row['console']; ?>

                        <br>

                        <?php echo '€ '.$row['price'].' - ';
                        $row['amount']>0 ? print 'Disponibile' : print 'Non
```

```php
Disponibile' ?>

                        <br>
                        <br>

                        <?php if ($row['amount']>0) : ?>
                        <a href="../cart/cart_action.php?id=<?php echo
$row['id']?>&price=<?php echo $row['price']?>&action=add&amount=1">
                                <button class="cart_add_button">
                                    ACQUISTA ORA!
                                </button>
                        </a>

                        <?php else: ?>
                        <b style="color: darkred;">
                            AL MOMENTO NON DISPONIBILE
                        </b>
                        <?php endif; ?>

                    </td>

                    <?php endforeach;
                endif;?>

                </tr>
        </table>

        <br>
        <br>

        <table class="games_table" align="center" style="text-align:
center">

            <caption id="pc_caption">
                ULTIME USCITE PC
                <img src="../web/icons/PC.png" style="-webkit-filter:
invert(100%); vertical-align: middle" height = '30'/>
            </caption>

            <tr>
            <?php
            $result = $pc_result;
            if ($result != null):
                foreach ($result as $row): ?>
                <td>
                    <img height="200"
                        src="<?php file_exists("../web/images/" .
$row['id'] . ".jpg") ? print "../web/images/" . $row['id'] . ".jpg" :
                            print '../web/images/NA.jpg'; ?>"
                    >

                    <br>
                    <br>

                    <?php echo $row['title'].' - '.$row['console']; ?>

                    <br>

                    <?php echo '€ '.$row['price'].' - ';

                    $row['amount']>0 ? print 'Disponibile' : print 'Non
Disponibile' ?>
```

```php
                    <br>
                    <br>

                    <?php if ($row['amount']>0) : ?>
                    <a href="../cart/cart_action.php?id=<?php echo
$row['id']?>&price=<?php echo $row['price']?>&action=add&amount=1">
                          <button class="cart_add_button">
                              ACQUISTA ORA!
                          </button>
                    </a>

                    <?php else: ?>
                    <b style="color: darkred;">
                        AL MOMENTO NON DISPONIBILE
                    </b>
                    <?php endif; ?>

                </td>
                <?php endforeach;
              endif;?>
            </tr>

        </table>

        <br>
        <br>
        <br>
        <br>
        <br>

    </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

  </body>

</html>
```

configurations.php

```php
<?php

if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}

include_once '..\lib\cart.php';

ob_start();
session_start();


$dns =
'pgsql:host=localhost;port=5432;dbname=gamestore;user=postgres;password=Alpha94'
;

?>

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML//EN">

<html>

    <head>

        <meta http-equiv="content-type" content="text/html" charset="UTF-8">

        <title> Negozio Giochi Online </title>

        <link rel="stylesheet" type = "text/css" href="../web/css/style.css" />

        <script type="text/javascript">
            window.onload = function cartItems() {
                var cart_items = null;
                cart_items = <?php
                $cart= new Cart();
                if (isset ($_SESSION['cart']))
                    $cart = $_SESSION['cart'];
                if ($cart->getTotalItems()!=0) {
                    echo $cart -> getTotalItems();
                }
                ?>;
                if (cart_items != null) {
                    document.getElementById('cart_items').innerHTML =
cart_items;
                }
            }
        </script>

    </head>

</html>
```

cart.php

```php
<?php

if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}

class Cart {
    protected $cart_content = array();
    protected $cart_total = array();

    public function __construct()
    {
        $this->cart_content = array ();
        $this->cart_total = array('total_price' => 0, 'total_items' => 0);
    }

    public function getCartContent()
    {
        return $this->cart_content;
    }

    public function getTotalItems () {
        return $this -> cart_total['total_items'];
    }

    public function getTotalPrice () {
        return $this->cart_total['total_price'];
    }

    public function addItem ($item, $amount) {
        if (isset($this->cart_content[$item['id']])) {
            $this->cart_content[$item['id']]['quantity'] += $amount;
        }
        else
            $this->cart_content[$item['id']] = array (
                'title' => $item['title'],
                'price' => floatval ($item['price']),
                'console' => $item['console'],
                'quantity' => $amount
            );
        $this->cart_total['total_items'] += $amount;
        $this->cart_total['total_price'] += $item['price'] * $amount;
    }

    public function removeItem ($id, $amount) {
        if (isset($this->cart_content[$id])) {
            if ($amount == $this->cart_content[$id]['quantity']) {
                $this->cart_total['total_price'] -= ($this-
>cart_content[$id]['price'] * $amount);
                unset($this->cart_content[$id]);
            }
            elseif ($amount < $this->cart_content[$id]['quantity']) {
                $this->cart_total['total_price'] -= ($this-
```

```php
>cart_content[$id]['price'] * $amount);
                $this->cart_content[$id]['quantity'] -= $amount;
        }
        else {
            return;
        }
        $this->cart_total['total_items'] -= $amount;


    }
    }

    public function destroy () {
        $this->cart_content = $this->cart_content = array('total_price' => 0,
'total_items' => 0);
    }
}
```

cart_action.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['user'])&&$_SESSION['user'] == 'admin') {
    header ('Location: ..\admin\admin_panel.php');
}

try {
    $database_handler = new PDO ($dns);
    $database_handler->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    echo $e->getMessage();
    die();
}

if (!isset ($_SESSION['cart']))
    $_SESSION ['cart'] = new Cart();

$temp_cart = $_SESSION['cart'];

if (isset($_GET['id']) && isset($_GET['action']) && isset($_GET['amount'])) {
    switch ($_GET['action']) {
        case ('add'): {
            $query = "
                SELECT *
                FROM videogame
                WHERE id = :id
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $_GET['id']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            $database_handler = null;
            $item = array();
            foreach ($result as $row) {
                $item = array('id' => $row['id'], 'title' => $row['title'],
'price' => $row['price'], 'console' => $row['console']);
            }
            $temp_cart->addItem($item, $_GET['amount']);
            break;
        }

        case ('remove'): {
            $temp_cart->removeItem($_GET['id'], $_GET['amount']);
            if ($temp_cart->getTotalItems()==0) {
                $temp_cart = null;
            }
            break;
        }
```

```php
            default: {break;}
        }
}

$_SESSION['cart'] = $temp_cart;

header('Location: cart_view.php');
```

cart_view.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['user'])&&$_SESSION['user'] == 'admin') {
    header ('Location: ..\admin\admin_panel.php');
}

if (!isset($_SESSION['cart']))
    header('Location: ../index/index.php')
?>

<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <section class="main_content">
            <br>
            <br>
            <br>

            <div align="center">

                <section class="panel" align="center" style="text-align:
center">

                    <?php if ($cart->getCartContent() != null): ?>

                    <div class = 'panel_title' id = 'users_title'>
                        IL MIO CARRELLO <br>
                        <?php echo 'Prodotti: ' .$cart -> getTotalItems();?>
 
                        <?php echo 'Totale: €' .$cart -> getTotalPrice();?>
                    </div>

                    <br>
                    <br>

                    <table align="center" class = 'box' width="100%" id =
'users_table'>

                        <tr>
                            <th></th>
                            <th>Prodotto</th>
                            <th>Quantità</th>
                            <th>Elimina</th>
```

```php
                    </tr>


                    <?php foreach ($cart->getCartContent() as $item=>$row)
:?>
                    <tr>
                        <td class="image_cell">
                            <img height="200"
                                 src="<?php file_exists("../web/images/" .
$item . ".jpg") ? print "../web/images/" . $item . ".jpg" :
                                    print '../web/images/NA.jpg'; ?>"
                            >
                        </td>
                        <td>
                            <?php echo $row['title']; ?> <br>
                            <?php echo $row['console'] ?>
                            € <?php echo
floatval($row['price'])*intval($row['quantity']); ?>
                        </td>
                        <td>
                            <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                                <br>
                                <label>
                                    <input hidden name="current_amount"
value="<?php echo $row['quantity']; ?>" />
                                    <input type="number" min = '0'
name="new_amount" value="<?php echo $row['quantity'];?>"/>
                                </label>
                                <button type="submit" class =
'action_button' name="edit_amount" value="<?php echo $item;?>">
                                    <img src="../web/icons/edit.png" height=
'20' style="vertical-align: middle"/>
                                </button>
                            </form>
                        </td>
                        <td>
                            <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                                <input hidden name="amount" value="<?php
echo $row['quantity']; ?>" />
                                <button type="submit" class =
'action_button' name="remove_game" value="<?php echo $item;?>">
                                    <br>
                                    <img src="../web/icons/delete.png"
height= '20' style="vertical-align: middle"/>
                                </button>
                            </form>
                        </td>
                    </tr>
                    <?php endforeach; ?>


                    <caption align="bottom" style="margin-top: 20px; text-
align: right; padding-right: 10px">

                        <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST" style="display: inline">
                            <button type="submit" name="clear">
                                <img src="../web/icons/delete.png" height=
'20' style="vertical-align: middle"/>
                                Svuota
```

```php
                                </button>
                            </form>

                            <a href="../orders/add_order.php">
                                <button type="button">
                                    <img src="../web/icons/purchase_order.png"
height= '20' style="vertical-align: middle"/>
                                    Ordina
                                </button>
                            </a>
                        </caption>

                    </table>

                    <?php endif; ?>

                    <br>
                    <br>

                    <?php

                    if (isset($_POST['edit_amount'])) {
                        if (($_POST['new_amount'] - $_POST['current_amount']) >=
0) {
                            header('Location: cart_action.php?id=' .
$_POST['edit_amount'] .
                                '&action=add&amount='.($_POST['new_amount'] -
$_POST['current_amount']));
                        }
                        else {
                            header('Location: cart_action.php?id=' .
$_POST['edit_amount'] .

'&action=remove&amount='.($_POST['current_amount'] - $_POST['new_amount']));
                        }
                    }

                    if (isset($_POST['remove_game'])) {
                        header('Location: cart_action.php?id=' .
$_POST['remove_game'] .
                            '&action=remove&amount='.($_POST['amount']));

                    }

                    if (isset($_POST['clear'])) {
                        unset($_SESSION ['cart']);
                        header('Refresh: 0');
                    }

                    ?>
                </section>

            </div>

        </section>

        <?php
        include_once '..\templates\footer.php';
        ?>

    </body>
</html>
```

footer.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>

<html>

    <body>

        <button onclick="topFunction()" id = 'top_button' style="display: none">
            TOP
        </button>

        <script type="text/javascript">
            window.onscroll = function () {
                if (document.body.scrollTop > 20) {
                    document.getElementById('top_button').style.display =
'block';
                }

                else {
                    document.getElementById('top_button').style.display =
'none';
                }
            }

            function topFunction() {
                document.body.scrollTop = 0;

            }
        </script>

        <footer>
            <p align="center" >
                © 2018 Riccardo Spolaor. <br>
                PlayStation © Sony Corporation , Xbox © Microsoft, Nintendo
Switch © Nintendo. <br>
                All icons © their respective owners.
            </p>
        </footer>

    </body>

</html>
```

header.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>

<html>

    <body>

        <header class="main_header">

            <div class = "text">
                <?php if (isset ($_SESSION['username'])) : ?>

                    <?php if ($_SESSION['user'] == 'user'): ?>

                        <img style="vertical-align: middle; -webkit-filter:
invert(100%)" height = '20' src="../web/icons/user.png"/>
                        <b>Benvenuto <?php echo $_SESSION['username']; ?></b>

                        <a class = 'util_link' href="../orders/orders.php">
                            <img style="vertical-align: middle" height = '20'
src="../web/icons/purchase_order.png"/>
                            I Miei Ordini
                        </a>

                    <?php else: ?>

                        <img style="vertical-align: middle; -webkit-filter:
invert(100%)" height = '20' src="../web/icons/admin.png"/>
                        <b>Benvenuto <?php echo $_SESSION['username']; ?></b>

                    <?php endif; ?>

                    <a class = 'util_link' href="../utils/logout.php">
                        <img style="vertical-align: middle" height = '20'
src="../web/icons/log_out.png"/>
                        Log Out
                    </a>

                <?php else : ?>
                    <a class = 'util_link' href="../utils/login.php">
                        <img style="vertical-align: middle" height = '20'
src="../web/icons/log_in.png"/>
                        Login
                    </a>
                    <a class = 'util_link' href="../utils/sign_up.php">
```

```php
                                <img style="vertical-align: middle" height = '20'
src="../web/icons/sign_up.png"/>
                                Registrati
                        </a>
                <?php endif; ?>

                <?php if ((isset($_SESSION['user'])&&
$_SESSION['user']!='admin') || !isset($_SESSION['user'])) :

                    if (isset($_SESSION['cart'])) : ?>
                        <a class = 'util_link' href="../cart/cart_view.php" >
                            <img style="vertical-align: middle" height = '17'
src="../web/icons/Cart.png"/>
                            <div id="cart_items"></div>
                        </a>

                    <?php else: ?>
                    <a id = 'inactive_cart'>
                        <img style="vertical-align: middle" height = '17'
src="../web/icons/Cart.png"/>
                    </a>
                    <?php endif; ?>

                <?php endif; ?>
            </div>
        </header>


        <?php if ((isset($_SESSION['user'])&& $_SESSION['user']!='admin') ||
!isset($_SESSION['user'])) : ?>
        <header class="second_header">
            <form action="<?php echo htmlentities($_SERVER['PHP_SELF']); ?>"
method="POST">
                <table>
                    <tr>
                        <td>
                            <a href="../index/index.php"><img
src="https://www.gamestop.it/Views/Locale/Content/Images/logo.png"/></a>
                        </td>

                        <td>
                            <label>
                                <input name='inputSearch' type="text"/>
                            </label>
                        </td>

                        <td>
                            <button type="submit" name='q'>Cerca</button>
                        </td>

                        <td width="100%" align="right">
                            <a class = 'console_link'
href="../videogames/videogames.php?q=PS4">
                                <table class = 'console_table'>
                                    <tr>
                                        <td>
                                             <img  height="25"
src="../web/icons/PS.png"/>
                                        </td>
                                        <td>
                                              PS4    
```

```html
                                                </td>
                                            </tr>
                                        </table>
                                    </a>

                                    <a class = 'console_link'
href="../videogames/videogames.php?q=Switch">
                                        <table class = 'console_table'>
                                            <tr>
                                                <td>
                                                     <img height="25"
src="../web/icons/NINTENDO.png"/>
                                                </td>
                                                <td>
                                                      Switch    
                                                </td>
                                            </tr>
                                        </table>
                                    </a>

                                    <a class = 'console_link'
href="../videogames/videogames.php?q=Xbox One">
                                        <table class = 'console_table'>
                                            <tr>
                                                <td>
                                                     <img height="25"
src="../web/icons/XBOX.png"/>
                                                </td>
                                                <td>
                                                      Xbox One    
                                                </td>
                                            </tr>
                                        </table>
                                    </a>

                                    <a class = 'console_link'
href="../videogames/videogames.php?q=PC">
                                        <table class = 'console_table'>
                                            <tr>
                                                <td>
                                                     <img height="25"
src="../web/icons/PC.png"/>
                                                </td>
                                                <td>
                                                      PC    
                                                </td>
                                            </tr>
                                        </table>
                                    </a>

                            </td>
                        </tr>
                    </table>
            </form>
        </header>
        <?php endif; ?>

        <?php
        if (!empty($_POST['inputSearch']) && isset($_POST['q'])) {
            header('Location: ..\videogames\videogames.php?q=' .
$_POST['inputSearch']);
        }
```

```
            ?>

    </body>

</html>
```

login.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['username'])) {
    if ($_SESSION['user'] == 'user') {
        header("Location: ..\index\index.php");
    }
    else {
        header("Location: ..\admin\admin_panel.php");
    }
}
?>

<html>

    <body>
        <?php
        include_once '../templates/header.php';
        ?>

        <section class= "main_content">

            <div class="container">

                <form action = "<?php echo htmlentities ($_SERVER['PHP_SELF']);
?>" method = "POST">

                    <label for="username">
                    Username:
                    </label>
                    <br>

                    <input id = 'username' required maxlength="20" type="text"
name = "username" />
                    <br>
                    <br>


                    <label for="password">
                    Password:
                    </label>
                    <br>

                    <input id = 'password' required maxlength="20"
type="password" name = "password" />
                    <br>
```

```php
                    <br>

                    <button type="submit" name = "submit">
                        Login
                    </button>

                    <span class = "info">
                        Non possiedi un account?<a href="sign_up.php">
Registrati!</a>
                    </span>

                </form>

                <div class="error_messages">
                <?php

                if (!empty ($_POST['username']) && !empty ($_POST['password'])
&& isset ($_POST['submit'])) {

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }

                    $query = "
                        SELECT *
                        FROM user_table
                        WHERE login = :username AND password = :password
                    ";

                    $statement = $database_handler->prepare($query);
                    $statement -> bindParam (":username", $_POST['username']);
                    $statement -> bindParam (":password", $_POST['password']);
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetch(PDO::FETCH_OBJ);
                    if ($result) {
                        $_SESSION['username'] = $_POST['username'];
                        if ($result->admin == 'true') {
                            $_SESSION['user'] = 'admin';
                            if (isset($_SESSION['cart']))
                                unset ($_SESSION['cart']);
                            header("Location: ..\admin\admin_panel.php");
                        }
                        else {
                            $_SESSION['user'] = 'user';
                            header("Location: ..\index\index.php");
                        }
                    }
                    else {
                        echo "Login o password errati.";
                    }
                    $database_handler = null;
                }
                ?>
                </div>
```

```html
                    </div>

                    <br>
                    <br>

            </section>

            <?php
            include_once '..\templates\footer.php';
            ?>
        </body>
</html>
```

logout.php

```php
<?php

session_start();

unset($_SESSION['username']);
unset($_SESSION['user']);
unset($_SESSION['cart']);

session_gc();
session_destroy();

header ('Location: ..\Utils\login.php');
```

sign_up.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['username'])) {
    if ($_SESSION['user'] == 'user') {
        header ('Location: ..\index\index.php');
    }
    else {
        header('Location: ..\admin\admin_panel.php');
    }
}
?>

<html>

    <body>


        <?php
        include_once '../templates/header.php';
        ?>


        <section class= "main_content">

            <div class="container">
                <form action = "<?php echo htmlentities ($_SERVER['PHP_SELF']);
?>" method = "POST">
                    <table>
                        <tr>
                            <td>
                                <label for="name">
                                Nome: <b style="color: darkred">*</b>
                                </label>
                            </td>
                            <td>
                                <label for="surname">
                                Cognome: <b style="color: darkred">*</b>
                                </label>
                            </td>
                        </tr>
                        <tr>
                            <td>
                                <input id = 'name' required maxlength="20"
```

```html
type="text" name = "name" />
                                    <br>
                                    <br>
                                </td>
                                <td>
                                    <input id = 'surname' required maxlength="20"
type="text" name = "surname" />
                                    <br>
                                    <br>
                                </td>
                            </tr>

                            <tr>
                                <td>
                                    <label for="adress">
                                        Indirizzo: <b style="color: darkred">*</b>
                                    </label>
                                </td>
                                <td>
                                    <label for="phone">
                                        Telefono:
                                    </label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <input id = 'adress' required maxlength="100"
type="text" name = "adress" />
                                    <br>
                                    <br>
                                </td>
                                <td>
                                    <input id = 'phone' maxlength="10" type="tel"
name = "phone" />
                                    <br>
                                    <br>
                                </td>
                            </tr>

                            <tr>
                                <td>
                                    <label for="username">
                                        Username: <b style="color: darkred">*</b>
                                    </label>
                                </td>
                                <td>
                                    <label for="repeatUsername">
                                        Ripeti Username: <b style="color:
darkred">*</b>
                                    </label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <input id = 'username' required maxlength="20"
type="text" name = "username" />
                                    <br>
                                    <br>
                                </td>
                                <td>
                                    <input id = 'repeatUsername' required
maxlength="20" type="text" name = "repeatUsername" />
```

```html
                                    <br>
                                    <br>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <label for="password">
                                        Password: <b style="color: darkred">*</b>
                                    </label>
                                </td>
                                <td>
                                    <label for="repeatPassword">
                                        Ripeti Password: <b style="color:
darkred">*</b>
                                    </label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <input id = 'password' required maxlength="20"
type="password" name = "password" />
                                    <br>
                                    <br>
                                </td>
                                <td>
                                    <input id = 'repeatPassword' required
maxlength="20" type="password" name = "repeatPassword" />
                                    <br>
                                    <br>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <button class = "confirmButton" type="submit" name =
"submit">Registrati</button>
                                </td>
                                <td>
                                    <span class = "info">
                                    Hai già un account?<a href="login.php">
Login!</a>
                                    </span>
                                </td>
                            </tr>
                    </table>
                </form>

                <div class="error_messages">
                    * Campi Obbligatori.
                </div>


                <div class="error_messages">
                <?php
                if (!empty ($_POST['name']) && !empty ($_POST['surname']) &&
                    !empty($_POST['adress']) && !empty($_POST['username']) &&
                    !empty($_POST['repeatUsername']) &&
!empty($_POST['password']) &&
                    !empty($_POST['repeatPassword']) && isset
($_POST['submit'])) {

                    if ($_POST['username'] == $_POST['repeatUsername'] &&
$_POST['password'] == $_POST['repeatPassword']) {
```

```php
                        try {
                            $database_handler = new PDO ($dns);
                            $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                        } catch (PDOException $e) {
                            echo $e->getMessage();
                            die();
                        }
                        try {
                            $query = "
                              INSERT INTO user_table (name, surname, adress,
phone, login, password, admin)
                                VALUES (:name, :surname, :adress, :phone,
:username, :password, false)
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement->bindParam(':name', $_POST['name']);
                            $statement->bindParam(':surname',
$_POST['surname']);
                            $statement->bindParam(':adress', $_POST['adress']);
                            $statement->bindParam(':phone', $_POST['phone']);
                            $statement->bindParam(':username',
$_POST['username']);
                            $statement->bindParam(':password',
$_POST['password']);
                            $database_handler->beginTransaction();
                            $statement->execute();
                            $database_handler->commit();
                            $result = $statement->fetch();
                            $_SESSION['username'] = $_POST['username'];
                            $_SESSION['user'] = 'user';
                            header("Refresh: 4; url = ..\index\index.php");
                            echo 'Registrazione effettuata';
                            $database_handler = null;
                        } catch (PDOException $e) {
                            echo "index non disponibile";
                            $database_handler = null;
                        }
                    }

                else
                    if ($_POST['username'] != $_POST['repeatUsername'] &&
$_POST['password'] != $_POST['repeatPassword']) {
                        echo 'Inserire stesso Username e stessa Password';
                    }

                else {
                    if ($_POST['username'] != $_POST['repeatUsername'])
{
                        echo 'Inserire stesso Username';
                    }
                    else {
                        echo 'Inserire stessa Password';
                    }
                }
            }

            ?>
            </div>

        </div>
```

```php
                <br>
                <br>

        </section>

        <?php
        include_once '..\templates\footer.php';
        ?>

    </body>

</html>
```

videogames.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['user'])&&$_SESSION['user'] == 'admin') {
    header ('Location: ..\admin\admin_panel.php');
}

?>

<html>

    <body>

        <?php
        include_once "../templates/header.php";
        ?>

        <?php
        $id = null;
        if (!empty($_GET['q']))
            $id =strtoupper($_GET['q']);
        ?>

        <?php
        try {
            $database_handler = new PDO ($dns);
            $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
        } catch (PDOException $e) {
            echo $e->getMessage();
            die();
        }

        if ($id) {
            $query = "
                    SELECT *
                    FROM videogame
                    WHERE upper(title) LIKE :input OR upper(console) LIKE
:input
                    GROUP BY id
                    ORDER BY id DESC
```

```php
                    ";
                $statement = $database_handler->prepare($query);
                $statement->bindValue(":input", "%$id%", PDO::PARAM_STR);
        }
        else {
                $query = "
                        SELECT *
                        FROM videogame
                        GROUP BY id
                        ORDER BY id DESC
                    ";
                $statement = $database_handler->prepare($query);
        }

        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $result = $statement->fetchAll(PDO::FETCH_ASSOC);
        $database_handler = null;
        ?>

        <section class="main_content">

            <br>
            <br>
            <br>

            <div align="center">

                <section class="panel" align="center" style="text-align:
center">

                    <div class = 'panel_title' id = 'users_title'>
                    <?php if ($id): ?>
                        <?php echo count($result); ?> risultati per: '<?php echo
$id?>'
                    <?php else: ?>
                        Catalogo Videogiochi
                    <?php endif; ?>
                    </div>

                    <?php if ($result != null): ?>
                    <table align="center" class = 'box' width="100%" id =
'users_table'>

                        <?php foreach ($result as $row):?>
                        <tr>
                            <td class="image_cell">
                                <img height="200"
                                    src="<?php file_exists("../web/images/" .
$row['id'] . ".jpg") ? print "../web/images/" . $row['id'] . ".jpg" :
                                        print '../web/images/NA.jpg'; ?>"
                                >
                            </td>

                            <td>
                                <?php echo $row['title']; ?>
                                <br>
                                <br>
                                <?php echo $row['console']; ?>
                                <br>
                                <?php echo $row['amount']>0 ? 'Disponibili
```

```php
ancora: '.$row['amount'] : 'Prodotto non disponibile'; ?>
                            </td>

                        <td style= "text-align: center">

                            <?php if ($row['amount']>0) : ?>
                            <a href="../cart/cart_action.php?id=<?php echo
$row['id'];?>&price=<?php echo $row['price'];?>&action=add&amount=1">
                                <button class="cart_add_button">
                                    ACQUISTA A € <?php echo $row['price'];
?>
                                </button>
                            </a>

                            <?php else: ?>
                            <b style="color: darkred">
                                PRODOTTO NON DISPONIBILE
                            </b>
                            <?php endif; ?>

                        </td>
                    </tr>
                    <?php endforeach; ?>
                </table>

                <?php else: ?>
                <div class="error_messages">La ricerca di '<?php echo $id?>'
non ha prodotto alcun risultato.</div>
                <?php endif; ?>

            </section>

        </div>

    </section>

    <?php
    include_once '../templates/footer.php';
    ?>
</body>

</html>
```

orders.php

```php
<?php

include_once "..\config\configurations.php";

if (isset($_SESSION['username'])) {
    if ($_SESSION['user'] == 'admin') {
        header ('Location: ..\admin\admin_panel.php');
    }
}
else
    header ('Location: ..\utils\login.php')
?>

<html>

    <body>
        <?php
        include_once '../templates/header.php';
        ?>

        <?php
        try {
            $database_handler = new PDO ($dns);
            $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
        } catch (PDOException $e) {
            echo $e->getMessage();
            die();
        }

        $idOrders = array();

        $query = "
        SELECT *
        FROM order_table
        WHERE  userid = :username
        ";
        $statement = $database_handler->prepare($query);
        $statement->bindParam(':username', $_SESSION['username']);
```

```php
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $result = $statement->fetchAll(PDO::FETCH_ASSOC);

        foreach ($result as $row) {
            $idOrders[$row['id']] = array ('date' => $row['date'], 'payment' =>
$row['payment'], 'games' => array());
            $query = "
            SELECT v.*, g_o.copies
            FROM game_order g_o JOIN videogame v on g_o.gameid = v.id
            WHERE g_o.orderid = :id
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $row['id']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            foreach ($result as $res) {
                $idOrders[$row['id']]['games'][$res['id']] = array (
                    'title' => $res['title'],
                    'console' => $res['console'],
                    'amount' => $res['copies'],
                    'price' => floatval($res['price']*intval($res['copies']))
                );
            }
        }
        ?>

        <section class="main_content">

            <br>
            <br>
            <br>

            <div align="center">

                <section class="panel" align="center" style="text-align:
center">

                    <br>

                    <div class = 'panel_title' id = 'users_title'>
                        I MIEI ORDINI
                    </div>

                    <br>
                    <br>

                    <?php if ($idOrders != null): ?>

                    <?php foreach ($idOrders as $order=>$value) :?>

                    <div class = 'panel_title' id = 'users_title' style="border-
radius: 20px">
                        ORDINE NUMERO <?php echo $order; ?>
                        <br>
                        <?php
                        $total_price = 0;
                        $total_products = 0;
                        foreach ($value['games'] as $attribute) {
```

```php
                                        $total_price += $attribute['price'];
                                        $total_products += $attribute['amount'];
                                }
                            echo "Prodotti: " . $total_products . " Totale: €" .
$total_price;
                            ?>

                    </div>

                    <br>

                    <table align="center" class = 'box' width="100%" id =
'users_table'>

                            <tr>
                                <th></th>
                                <th>Titolo</th>
                                <th>Quantità</th>
                                <th>Prezzo</th>
                            </tr>

                            <?php foreach ($value['games'] as $game => $attribute):
?>
                            <tr>
                                <td style="text-align: center">
                                    <img height="200"
                                            src="<?php file_exists("../web/images/" .
$game . ".jpg") ? print "../web/images/" . $game . ".jpg" :
                                                print '../web/images/NA.jpg'; ?>"
                                    >
                                </td>
                                <td><?php echo $attribute['title']; ?></td>
                                <td><?php echo $attribute['amount'] ?></td>
                                <td><?php echo '€'.$attribute['price']; ?></td>
                            </tr>
                            <?php endforeach; ?>

                    </table>

                    <br>

                    <div class = 'panel_title' id = 'users_title' style="border-
radius: 20px">
                            Data: <?php echo date('d/m/Y - H:m',
strtotime($value['date']));?>  
                            Pagamento: <?php echo $value['payment'];?>
                    </div>

                    <br>
                    <br>

                    <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF']); ?>" method = "POST">
                            <button type="submit" name = "delete" value="<?php echo
$order; ?>">
                                    <img src="../web/icons/delete.png" height= '20'
style="vertical-align: middle"/>
                                    Elimina Ordine
                            </button>
                    </form>
```

```php
                        <br>

                        <hr style="border: dashed 1px; width: 90%">

                        <br>
                        <br>
                        <br>

                        <?php endforeach;?>

                        <?php else: ?>
                        <div class="error_messages">Nessun ordine effettuato.</div>
                        <?php endif;?>

                        <div class="error_messages">
                        <?php
                        if (isset($_POST['delete'])) {
                            try {
                                $database_handler = new PDO ($dns);
                                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                            } catch (PDOException $e) {
                                echo $e->getMessage();
                                die();
                            }

                            $gamesId = array();

                            $query = "
                                SELECT gameid, copies
                                FROM game_order
                                WHERE  orderid = :id
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement->bindParam(':id', $_POST['delete']);
                            $database_handler->beginTransaction();
                            $statement->execute();
                            $database_handler->commit();
                            $result = $statement->fetchAll(PDO::FETCH_ASSOC);

                            foreach ($result as $row) {
                                $gamesId[$row['gameid']] = $row['copies'];
                            }

                            foreach ($gamesId as $game=>$amount) {
                                $query = "
                                    UPDATE videogame
                                    SET amount = amount + :amount
                                    WHERE id = :id
                                ";
                                $statement = $database_handler->prepare($query);
                                $statement->bindParam(':id', $game);
                                $statement->bindParam(':amount', intval($amount));
                                $database_handler->beginTransaction();
                                $statement->execute();
                                $database_handler->commit();
                            }

                            $query = "
                                DELETE FROM order_table
                                WHERE  id = :id
                            ";
```

```php
                $statement = $database_handler->prepare($query);
                $statement->bindParam(':id', $_POST['delete']);
                $database_handler->beginTransaction();
                $statement->execute();
                $database_handler->commit();
                $result = $statement->fetchAll(PDO::FETCH_OBJ);
                $database_handler = null;
                if ($result) {
                    echo "Eliminazione effettuata.";
                }
                else {
                    echo "Eliminazione non riuscita.";
                }
                header('Refresh:5');
            }
            ?>
            </div>

        </section>

    </div>

    <br>
    <br>

</section>

<?php
include_once '..\templates\footer.php';
?>

</body>

</html>
```

add_order.php

```php
<?php
include_once "..\config\configurations.php";

if (isset($_SESSION['username'])) {
    if ($_SESSION['user'] == 'admin') {
        header ('Location: ..\admin\admin_panel.php');
    }
}
else
    header ('Location: ..\utils\login.php')
?>

<html>

    <body>

        <?php
        include_once '../templates/header.php';
        ?>

        <section class="main_content">

            <br>
            <br>
            <br>

            <div align="center">

                <section class="panel" align="center" style="text-align:
center">

                    <?php if ($cart->getCartContent() != null): ?>

                    <div class = 'panel_title' id = 'users_title'>
                        DETTAGLI ORDINE <br>
```

```php
                        <?php echo 'Prodotti: ' .$cart -> getTotalItems();?>
 
                        <?php echo 'Totale: €' .$cart -> getTotalPrice();?>
                    </div>

                    <br>
                    <br>

                    <table align="center" class = 'box' width="100%" id =
'users_table'>

                        <tr>
                            <th></th>
                            <th>Prodotto</th>
                            <th>Quantità</th>
                        </tr>

                        <?php foreach ($cart->getCartContent() as $item=>$row)
:?>

                        <tr>
                            <td style="text-align: center">
                                <img height="200"
                                    src="<?php file_exists("../web/images/" .
$item . ".jpg") ? print "../web/images/" . $item . ".jpg" :
                                        print '../web/images/NA.jpg'; ?>"
                                >
                            </td>
                            <td>
                                <?php echo $row['title']; ?> <br>
                                <?php echo $row['console'] ?>
                                € <?php echo
floatval($row['price'])*intval($row['quantity']); ?>
                            </td>
                            <td>
                                <?php echo $row['quantity']; ?>

                            </td>
                        </tr>
                        <?php endforeach; ?>

                    </table>

                    <br>
                    <br>

                    <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF']); ?>" method = "POST">

                        Pagamento:

                        <input id='master_card' type = 'radio' name = 'payment'
value = 'Master Card' checked required>

                        <label for="master_card">
                            <img src="../web/icons/MasterCardIcon.png"
height="50" style="vertical-align: middle">
                        </label>

                        <input id='visa' type = 'radio' name = 'payment' value =
'Visa' required>
```

```html
                                <label for="visa">
                                    <img src="../web/icons/Visa.png" height="50"
style="vertical-align: middle">
                                </label>

                                <input id='paypal' type = 'radio' name = 'payment' value
= 'Paypal' required>

                                <label for="paypal">
                                    <img src="../web/icons/Paypal.png" height="50"
style="vertical-align: middle">
                                </label>

                                <input id='bitcoin' type = 'radio' name = 'payment'
value = 'Bitcoin' required>

                                <label for="bitcoin">
                                    <img src="../web/icons/bitcoin.png" height="50"
style="vertical-align: middle">
                                </label>

                                <br>

                                <button type="submit" name = 'add_order'>
                                    <img src="../web/icons/purchase_order.png" height=
'20' style="vertical-align: middle"/>
                                    Procedi All'Ordine
                                </button>

                                <br>
                                <br>

                                <div class="error_messages" style="width: auto">
                                <?php
                                if (isset ($_POST['add_order'])) {
                                    try {
                                        $database_handler = new PDO ($dns);
                                        $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
                                    } catch (PDOException $e) {
                                        echo $e->getMessage();
                                        die();
                                    }

                                    $query = "
                                      SELECT MAX(id) as idMax
                                      FROM order_table
                                    ";
                                    $statement = $database_handler->prepare($query);
                                    $database_handler->beginTransaction();
                                    $statement->execute();
                                    $database_handler->commit();
                                    $result = $statement->fetchColumn();

                                    $idOrder = null;
                                    if ($result) {
                                        $idOrder = $result + 1;
                                    }
                                    else
                                        $idOrder = 1;

                                    $flag = true;
```

```php
foreach ($cart->getCartContent() as $item => $array)
{
    $query = "
        SELECT amount
        FROM videogame
        WHERE id = :id
    ";
    $statement = $database_handler->prepare($query);
    $statement->bindParam(':id',$item);
    $database_handler->beginTransaction();
    $statement->execute();
    $database_handler->commit();
    $available = $statement->fetch();
    if (intval($available['amount'])<$array['quantity']) {
        echo 'Sono disponibili solo '.$available['amount'].' prodotti del tipo "'.$array['title'].'" per '.$array['console'].' <br>';
        $flag = false;
    }
}
if ($flag == false) {
    $database_handler = null;
    echo 'Apportare le necessarie modifiche al carrello';
    header ('Refresh:4; url = ..\cart\cart_view.php');
}
else {
    $query = "
        INSERT INTO order_table (id, date, payment, userid)
        VALUES (:id, now(), :payment, :userid)
    ";
    $statement = $database_handler->prepare($query);
    $statement->bindParam(':id',$idOrder);
    $statement->bindParam(':payment',$_POST['payment']);
    $statement->bindParam(':userid',$_SESSION['username']);
    $database_handler->beginTransaction();
    $statement->execute();
    $database_handler->commit();

    foreach ($cart->getCartContent() as $item => $array) {

        $query = "
            INSERT INTO game_order (gameid, orderid, copies)
            VALUES (:game, :userorder, :amount)
        ";
        $statement = $database_handler->prepare($query);
        $statement->bindParam(':game',$item);
        $statement->bindParam(':userorder',$idOrder);
        $statement->bindParam(':amount',$array['quantity']);
        $database_handler->beginTransaction();
        $statement->execute();
```

```php
                                        $database_handler->commit();
                                        $query = "
                                            UPDATE videogame
                                            SET amount = amount - :amount
                                            WHERE id = :id
                                        ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement-
>bindParam(':amount',$array['quantity']);
                                        $statement->bindParam(':id',$item);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                    }
                                    $database_handler = null;
                                    unset($_SESSION['cart']);
                                    header ('Location: orders.php');


                                }
                            }
                            ?>
                            </div>

                    </form>

                    <?php else: ?>
                        <div class="error_messages">Il tuo carrello è
vuoto.</div>
                    <?php endif; ?>

                </section>

            </div>

            <br>
            <br>

        </section>

        <?php
        include_once '..\templates\footer.php';
        ?>

    </body>

</html>
```

add_admin

```php
<?php
include_once "..\config\configurations.php";

if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}
?>

<html>

    <body>

    <?php
    include_once '..\templates\header.php';
    ?>

        <section class= "main_content">

            <br>
            <br>
            <div class = 'admin_layout' align="center">

                <section class="panel">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>

                    <div class = 'panel_title' id = 'admins_title'>
```

```
                              AGGIUNTA NUOVO ADMIN
                    </div>

                    <br>

                    <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                        <label>
                            <input name = 'inputSearch' type="text"/>
                        </label>
                        <label>
                            <select class="option" name="method">
                                <option value="all">Tutto</option>
                                <option value="username">Username</option>
                                <option value="name">Nome e Cognome</option>
                            </select>
                        </label>
                        <input hidden name = 'admins_button'/>
                        <button type="submit" name =
'search_admin'>Cerca</button>
                    </form>


                    <?php

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }

                    $query = '';

                    if (isset ($_POST['search_admin']) &&
!empty($_POST['inputSearch'])) {

                        if (isset($_POST['method'])) {

                            $input = strtoupper($_POST['inputSearch']);

                            switch ($_POST['method']) {

                                case ('all'): {
                                    $query = "
                                        SELECT *
                                        FROM user_table
                                        WHERE admin is false AND (upper(login)
LIKE :input OR upper(name) LIKE :input OR upper(surname) LIKE :input)
                                        GROUP BY login
                                        ORDER BY login ASC
                                    ";
                                    $statement = $database_handler-
>prepare($query);
                                    $statement -> bindValue (":input",
"%$input%", PDO::PARAM_STR);
                                    break;
                                }

                                case ('username'): {
```

```php
                                    $query = "
                                        SELECT *
                                        FROM user_table
                                        WHERE upper(login) LIKE :input AND admin
is false

                                        ORDER BY login ASC
                                    ";
                                    $statement = $database_handler-
>prepare($query);

                                    $statement -> bindValue (":input",
"%$input%", PDO::PARAM_STR);
                                    break;
                            }

                            case ('name'): {
                                    $query = "
                                        SELECT *
                                        FROM user_table
                                        WHERE (upper(name) LIKE :input or
upper(surname) LIKE :input) AND admin is false
                                        GROUP BY login
                                        ORDER BY login ASC
                                    ";
                                    $statement = $database_handler-
>prepare($query);

                                    $statement -> bindValue (":input",
"%$input%", PDO::PARAM_STR);
                                    break;
                            }

                            default: {
                                    $query = "
                                        SELECT *
                                        FROM user_table
                                        WHERE admin is false
                                        GROUP BY login
                                        ORDER BY login ASC
                                    ";
                                    $statement = $database_handler-
>prepare($query);
                                    break;
                            }
                        }
                    }

                    else {
                        $query = "
                            SELECT *
                            FROM user_table
                            WHERE admin is false
                            GROUP BY login
                            ORDER BY login ASC
                        ";
                        $statement = $database_handler->prepare($query);
                    }


                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetchAll(PDO::FETCH_ASSOC);
```

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```php
                    $database_handler = null;

                    ?>

                    <?php if ($result != null): ?>

                    <table class = 'box' id = 'admins_table' align="center"
width="100%">
                        <tr>
                            <th>User</th>
                            <th>Nome</th>
                            <th>Cognome</th>
                            <th>Indirizzo</th>
                            <th>Telefono</th>
                            <th>Promuovi Utente</th>
                        </tr>

                        <?php foreach ($result as $row): ?>
                        <tr>
                            <td><?php echo $row['login']; ?></td>
                            <td><?php echo $row['name']; ?></td>
                            <td><?php echo $row['surname']; ?></td>
                            <td><?php echo $row['adress']; ?></td>
                            <td><?php $row['phone'] == null ? print"-" : print
$row['phone']; ?></td>

                            <td>
                                <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF']); ?>" method = "POST">
                                    <br>
                                    <button type="submit" class =
'action_button' name="add_admin" value="<?php echo $row['login']; ?>">
                                        <img src="../web/icons/add_admin.png"
height= '20' style="vertical-align: middle"/>
                                    </button>
                                </form>
                            </td>
                        </tr>
                        <?php endforeach; ?>

                    </table>

                    <?php else:

                        echo "<div class=error_messages>Nessun risultato
corrisponde alla ricerca.</div>";

                    endif;?>

                    <br>
                    <br>

                    <div align="right">
                        <a href="add_admin.php">
                            <button type= 'submit' name = 'users_button' class =
'action_button'>
                                <img src="../web/icons/show_all.png" height=
'20' style="vertical-align: middle"/>
                                Mostra Tutto
                            </button>
                        </a>
                    </div>
```

```php
                    <div class="error_messages">
                    <?php

                    if (isset($_POST['add_admin'])) {

                        try {
                            $database_handler = new PDO ($dns);
                            $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                        } catch (PDOException $e) {
                            echo $e->getMessage();
                            die();
                        }

                        try {
                            $query = "
                            UPDATE user_table
                            SET admin = true
                            WHERE login = :login
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement->bindParam(':login',
$_POST['add_admin']);
                            $database_handler->beginTransaction();
                            $statement->execute();
                            $database_handler->commit();
                            $result = $statement->fetch();
                            header("Refresh: 4; url = admin_panel.php");
                            echo 'Promozione nuovo admin effettuata.';
                        } catch (PDOException $e) {
                            echo 'Promozione nuovo admin non riuscita.';
                        }

                        $database_handler = null;
                    }

                    ?>

                    </div>
                </section>
            </div>
        </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>

</html>
```

add_order_product

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}


if (!isset($_GET['id'])) {
    header ('Location: admin_panel.php');
}
?>

<html>

    <body>

    <?php
    include_once '..\templates\header.php';
    ?>

        <section class= "main_content">

            <br>
            <br>
```

```php
            <div class="admin_layout" align="center">

                <section class = 'panel' align="center">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>

                    <div class = 'panel_title' id = 'orders_title'>
                        AGGIUNTA PRODOTTO ALL'ORDINE <?php echo $_GET['id'];?>
                    </div>

                    <br>

                    <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="GET">

                        <label>
                            <input hidden name = 'id' value="<?php print
$_GET['id']; ?>"/>
                            <input name = 'gameSearch' type="text"/>
                        </label>

                        <label>
                            <select class="option" name="method">
                                <option value="id">ID</option>
                                <option value="title">Titolo</option>
                            </select>
                        </label>

                        <input hidden name = 'products_button'/>
                        <button type="submit">Cerca</button>

                    </form>

                    <?php
                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }
                    $errors = false;

                    if (isset($_GET['gameSearch'])) {

                        switch ($_GET['method']) {

                            case ('id'): {
                                if (filter_var($_GET['gameSearch'],
FILTER_VALIDATE_INT)) {
                                    $query = "
                                    SELECT *
                                    FROM videogame
                                    WHERE id = :input
                                    ";
                                    $statement = $database_handler-
>prepare($query);

                                    $statement->bindParam(":input",
```

```php
intval($_GET['gameSearch']));
                                }
                                else {
                                    echo "<div class=\"error_messages\">Inserire
valore numerico intero per l'ID. </div>";
                                    $errors = true;
                                }
                                break;
                            }

                        case ('title'): {
                            $gameTitle = strtoupper($_GET['gameSearch']);
                            $query = "
                            SELECT *
                            FROM videogame
                            WHERE upper(title) LIKE :input OR upper(console)
LIKE :input
                            ORDER BY id DESC
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement -> bindValue (":input",
"%$gameTitle%", PDO::PARAM_STR);
                            break;
                        }

                        default: {
                            $query = "
                            SELECT *
                            FROM videogame
                            ORDER BY title ASC
                            ";
                            $statement = $database_handler->prepare($query);
                            break;
                        }
                    }
                }

                else {
                    $query = "
                    SELECT *
                    FROM videogame
                    ORDER BY id DESC
                    ";
                    $statement = $database_handler->prepare($query);
                }

                if (!$errors) {
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetchAll(PDO::FETCH_ASSOC);
                }

                else {
                    $result=null;
                }

                $database_handler = null;
                ?>

                <?php if ($result != null): ?>
```

```php
                    <table class = 'box' id = 'orders_table' align="center"
width="100%" action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST">

                        <tr>

                        <th>Title</th>
                        <th>Console</th>
                        <th>Price</th>
                        <th>Disponibili</th>
                        <th>Aggiungi</th>

                        </tr>

                        <?php foreach ($result as $row): ?>

                        <tr>

                        <td><?php echo $row['title']; ?></td>
                        <td><?php echo $row['console']; ?></td>
                        <td><?php echo $row['price']; ?></td>
                        <td><?php echo $row['amount'] == 0 ? "N/D" :
$row['amount']; ?></td>

                        <td>
                            <?php if ($row['amount']>0) : ?>
                            <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"].'?id='.$_GET['id']);?>" method="POST">
                                <input hidden name='gameId' value="<?php echo
$row['id'];?>"/>
                                <input hidden name ='orderId' value ='<?php echo
$_GET['id'];?>'/>
                                <label>
                                    <br>
                                    <input name='numberToAdd' type="number"
min="1"/>
                                </label>
                                <button type="submit" class = 'action_button'
name="add_games" style="vertical-align: middle">
                                    <img src="../web/icons/add_product.png"
height= '20' style="vertical-align: middle"/>
                                </button>
                            </form>
                            <?php else : ?>
                            <form style="color: darkslategray">
                                <label>
                                    <br>
                                    <input type="number" disabled
placeholder="N/D"/>
                                </label>
                                <button type="submit" class = 'action_button'
name="add_games" style="vertical-align: middle" disabled>
                                    <img src="../web/icons/add_product.png"
height= '20' style="vertical-align: middle; -webkit-filter: invert(40%)"/>
                                </button>
                            </form>
                            <?php endif; ?>
                        </td>

                        </tr>
                        <?php endforeach; ?>
                    </table>
```

```php
<?php

else : {
    if (!$errors) {
        echo "<div class='error_messages'> Nessun prodotto
corrisponde alla ricerca. </div>";
    }
}
endif;

?>

<form align="right" action="<?php echo
htmlentities($_SERVER["PHP_SELF"].'?id='.$_GET['id']); ?>" method="POST">
    <button type= 'submit' name = 'products_button' class =
'action_button'>
        <img src="../web/icons/show_all.png" height= '20'
style="vertical-align: middle"/>
        Mostra Tutto
    </button>
</form>


<?php
if (isset($_POST['add_games']) &&
intval($_POST['numberToAdd']) > 0) {
    try {
        $database_handler = new PDO ($dns);
        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
    } catch (PDOException $e) {
        echo $e->getMessage();
        die();
    }

    $query = "
        SELECT amount
        FROM videogame
        WHERE id = :id;
    ";

    $statement = $database_handler->prepare($query);
    $statement->bindParam(':id', intval($_POST['gameId']));
    $database_handler->beginTransaction();
    $statement->execute();
    $database_handler->commit();
    $result = $statement->fetch(PDO::FETCH_ASSOC);

    $available = $result['amount'] - $_POST['numberToAdd']
>= 0;

    if ($available) {
        $query = "
            UPDATE videogame
            SET amount = amount - :amount
            WHERE id = :id
        ";
        $statement = $database_handler->prepare($query);
        $statement->bindParam(':id',
intval($_POST['gameId']));
        $statement->bindValue(':amount',
```

```php
$_POST['numberToAdd'], PDO::PARAM_INT);
                                $database_handler->beginTransaction();
                                $statement->execute();
                                $database_handler->commit();

                                $query = "
                                        SELECT *
                                        FROM game_order
                                        WHERE orderid = :orderId and gameid =
:gameId
                                    ";
                                $statement = $database_handler->prepare($query);
                                $statement->bindParam(":gameId",
intval($_POST['gameId']));
                                $statement->bindParam(":orderId",
intval($_POST['orderId']));
                                $database_handler->beginTransaction();
                                $statement->execute();
                                $database_handler->commit();
                                $result = $statement->fetchColumn();

                                if (!$result) {
                                    $query = "
                                            INSERT INTO game_order (gameid, orderid,
copies)
                                                values (:gameId, :orderId, :amount)
                                        ";
                                    $statement = $database_handler->prepare($query);
                                    $statement->bindParam(":gameId",
$_POST['gameId']);
                                    $statement->bindParam(":orderId",
$_POST['orderId']);
                                    $statement->bindParam(":amount",
$_POST['numberToAdd']);
                                    $database_handler->beginTransaction();
                                    $statement->execute();
                                    $database_handler->commit();
                                    $database_handler = null;
                                } else {
                                    $query = "
                                            UPDATE game_order
                                            SET copies = :amount + copies
                                            WHERE gameid = :gameId and orderid =
:orderId
                                        ";
                                    $statement = $database_handler->prepare($query);
                                    $statement->bindParam(":gameId",
intval($_POST['gameId']));
                                    $statement->bindParam(":orderId",
intval($_POST['orderId']));
                                    $statement->bindParam(":amount",
$_POST['numberToAdd']);
                                    $database_handler->beginTransaction();
                                    $statement->execute();
                                    $database_handler->commit();
                                    $database_handler = null;
                                }
                                header('Location: edit_order.php?id=' .
$_POST['orderId']);
                            }

                        else {
```

```
                                    echo "<div class= 'error_messages'>Prodotti
Insufficienti!</div>";
                        }
                    }
                    ?>

                    <br>
                    <br>
                    <br>
                    <br>
                    <br>

                </section>
            </div>
        </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>

</html>
```

add_product.php

```
if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}
?>

<html>

    <body>
    <?php
    include_once '..\templates\header.php';
    ?>

        <section class= "main_content">

            <br>
            <br>

            <div class = 'admin_layout' align="center">
                <section class = 'panel'>

                    <?php include_once 'admin_buttons.php'; ?>
```

```html
                        <br>
                        <br>

                        <div class = 'panel_title' id = 'products_title'
align="center">
                            AGGIUNTA NUOVO PRODOTTO
                        </div>

                </section>
            </div>

            <div class="container">
                <form action = "<?php echo htmlentities ($_SERVER['PHP_SELF']);
?>" method = "POST" enctype="multipart/form-data">

                        <label for="title">
                            Titolo: <b style="color: darkred">*</b> <br>
                        </label>
                        <input id = 'title' required maxlength="50" type="text" name
= "title" />

                        <br>
                        <br>

                        <label for="price">
                            Prezzo: <b style="color: darkred">*</b> <br>
                        </label>
                        €  
                        <input id = 'price' type="number" name = 'price_round'
min="0"/> .
                        <input id = 'price' type="number" name = 'price_cents'
min="0" max="99" value="0" style="display: inline">

                        <br>
                        <br>

                        <label for="console">
                            Console: <b style="color: darkred">*</b> <br>
                        </label>
                        <ul class='fieldset' style="padding-left: 0">
                            <li style="margin-left: 0">
                                <label>
                                <input type ='radio' value = 'PS4' name="console"
checked required />
                                <img src="../web/icons/PS.png" height="20"
width="20" style="vertical-align: middle"/>
                                      PS4
                                </label>
                            </li>
                            <li style="margin-left: 0">
                                <label>
                                <input type ='radio' value = 'Xbox One'
name="console" required/>
                                <img src="../web/icons/XBOX.png" height="20"
style="vertical-align: middle"/>
                                      Xbox One
                                </label>
                            </li>
                            <li style="margin-left: 0">
                                <label>
                                <input type ='radio' value = 'Switch' name="console"
required/>
```

```html
                            <img src="../web/icons/NINTENDO.png" height="20"
style="vertical-align: middle"/>
                              Switch
                            </label>
                        </li>
                        <li style="margin-left: 0">
                            <label>
                            <input type ='radio' value = 'PC' name="console"
required/>
                            <img src="../web/icons/PC.png" height="20"
style="vertical-align: middle"/>
                              PC
                            </label>
                        </li>
                    </ul>

                    <br>

                    <label for = 'numberToAdd'>
                        Quantità: <b style="color: darkred">*</b> <br>
                    </label>
                    <input id = 'numberToAdd' name="numberToAdd" type="number"
min="0"/>

                    <br>
                    <br>

                    <label for = 'file'>
                        Copertina: <br>
                    </label>
                    <input type="file" name ='file'>

                    <br>
                    <br>

                    <button class = "action_button" type="submit" name =
"submit">
                        <img src="../web/icons/add_product.png" height= '20'
style="vertical-align: middle"/>
                        Aggiungi Gioco
                    </button>
                </form>

                <div class="error_messages">
                    * Campi Obbligatori.
                </div>

                <div class="error_messages">

                <?php
                if (!empty ($_POST['title']) && !empty ($_POST['price_round'])
&&
                    isset($_POST['console']) && !empty($_POST['numberToAdd']) &&
isset ($_POST['submit'])) {


                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
```

```php
                    die();
                }

                $alright = true;
                $upload = false;
                $fileName = null;
                $fileTmp = null;
                $fileError = null;
                $fileSize = null;
                $fileExt = null;

                if (is_uploaded_file($_FILES['file']['tmp_name'])) {

                    $file = $_FILES['file'];

                    $fileName = $_FILES['file']['name'];
                    $fileTmp = $_FILES['file']['tmp_name'];
                    $fileError = $_FILES['file']['error'];
                    $fileSize = $_FILES['file']['size'];

                    $fileExt = explode('.', $fileName);
                    $fileExt = strtolower(end($fileExt));

                    $allowed = 'jpg';

                    if ($fileExt == $allowed) {
                        if ($fileError === 0) {
                            if ($fileSize < 1000000) {
                                $upload = true;
                            } else {
                                echo 'File troppo grande';
                                $alright = false;
                            }
                        } else {
                            echo "Errore nell'Upload";
                            $alright = false;
                        }
                    } else {
                        echo 'Estensione non utilizzabile';
                        $alright = false;
                    }
                }

                if ($alright) {

                    $query = "
                      SELECT MAX(id) as idMax
                      FROM videogame
                    ";
                    $statement = $database_handler->prepare($query);
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetchColumn();

                    $idGame = null;
                    if ($result) {
                        $idGame = $result + 1;
                    } else
                        $idGame = 1;
                    $query = "
                      INSERT INTO videogame (id, title, price, console,
```

```php
amount)
                            VALUES (:id, :title, :price, :console, :amount)
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement->bindParam(':id', $idGame);
                        $statement->bindParam(':title', $_POST['title']);
                        $price = intval($_POST['price_round']);
                        $price_cents = isset($_POST['price_cents'])?
intval($_POST['price_cents']):0;
                        $price += ($price_cents * 0.01);
                        $statement->bindParam(':price', $price);
                        $statement->bindParam(':console', $_POST['console']);
                        $statement->bindParam(':amount', $_POST['numberToAdd']);
                        $database_handler->beginTransaction();
                        $statement->execute();
                        $database_handler->commit();
                        $result = $statement->fetch();
                        $database_handler = null;
                    }
                    if ($upload) {
                        $fileDestination =
"..\web\images\\".$idGame.'.'.$fileExt;
                        move_uploaded_file($fileTmp, $fileDestination);
                    }

                    if ($alright) {
                        header ('Location: admin_panel.php');
                    }

                    else {
                        echo 'Inserire dati.';
                    }

                }

            ?>
            </div>
        </div>

        <br>
        <br>
        <br>
        <br>
        <br>

    </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>

</html>
```

add_user.php

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}
?>

<html>

    <body>
    <?php
    include_once '..\templates\header.php';
    ?>

        <section class= "main_content">
```

```php
            <br>
            <br>

            <div class = 'admin_layout' align="center">
                <section class = 'panel'>

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>
                    <div class = 'panel_title' id = 'users_title'
align="center">
                        AGGIUNTA NUOVO UTENTE
                    </div>
                </section>
            </div>

            <div class="container">
                <form class = 'login' action = "<?php echo htmlentities
($_SERVER['PHP_SELF']); ?>" method = "POST">

                    <label for="name">
                        Name: <b style="color: darkred">*</b>
                        <br>
                    </label>
                    <input id = 'name' required maxlength="20" type="text" name
= "name" />

                    <br>
                    <br>

                    <label for="surname">
                        Surname: <b style="color: darkred">*</b>
                        <br>
                    </label>
                    <input id = 'surname' required maxlength="20" type="text"
name = "surname" />

                    <br>
                    <br>

                    <label for="adress">
                        Indirizzo: <b style="color: darkred">*</b>
                        <br>
                    </label>
                    <input id = 'adress' required maxlength="100" type="text"
name = "adress" />

                    <br>
                    <br>

                    <label for="phone">
                        Telefono:
                        <br>
                    </label>
                    <input id = 'phone'  maxlength="10" type="tel" name =
"phone" />

                    <br>
                    <br>

                    <label for="username">
```

```html
                          Username: <b style="color: darkred">*</b>
                              <br>
                      </label>
                      <input id = 'username' required maxlength="20" type="text"
name = "username" />

                      <br>
                      <br>

                      <label for="repeatUsername">
                          Ripeti Username: <b style="color: darkred">*</b>
                              <br>
                      </label>
                      <input id = 'repeatUsername' required maxlength="20"
type="text" name = "repeatUsername" />

                      <br>
                      <br>

                      <label for="password">
                          Password: <b style="color: darkred">*</b>
                              <br>
                      </label>
                      <input id = 'password' required maxlength="20"
type="password" name = "password" />

                      <br>
                      <br>

                      <label for="repeatPassword">
                          Ripeti Password: <b style="color: darkred">*</b>
                              <br>
                      </label>
                      <input id = 'repeatPassword' required maxlength="20"
type="password" name = "repeatPassword" />

                      <br>
                      <br>

                      <button class = 'action_button' type="submit" name="submit">
                          <img src="../web/icons/add_user.png" height= '20'
style="vertical-align: middle"/>
                          Registra Nuovo Utente
                      </button>

                  </form>

                  <div class="error_messages">
                      * Campi Obbligatori.
                  </div>

                  <div class="error_messages">
                  <?php
                  if (!empty ($_POST['name']) && !empty ($_POST['surname']) &&
                      !empty($_POST['adress']) && !empty($_POST['username']) &&
                      !empty($_POST['repeatUsername']) &&
!empty($_POST['password']) &&
                      !empty($_POST['repeatPassword']) && isset
($_POST['submit'])) {

                      if ($_POST['username']==$_POST['repeatUsername'] &&
$_POST['password']==$_POST['repeatPassword']) {
```

```php
                            try {
                                $database_handler = new PDO ($dns);
                                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                            } catch (PDOException $e) {
                                echo $e->getMessage();
                                die();
                            }
                            try {
                                $query = "
                                    INSERT INTO user_table (name, surname, adress,
phone, login, password)
                                    VALUES (:name, :surname, :adress, :phone,
:username, :password)
                                ";
                                $statement = $database_handler->prepare($query);
                                $statement->bindParam(':name', $_POST['name']);
                                $statement->bindParam(':surname',
$_POST['surname']);
                                $statement->bindParam(':adress', $_POST['adress']);
                                $statement->bindParam(':phone', $_POST['phone']);
                                $statement->bindParam(':username',
$_POST['username']);
                                $statement->bindParam(':password',
$_POST['password']);
                                $database_handler->beginTransaction();
                                $statement->execute();
                                $database_handler->commit();
                                $result = $statement->fetch();
                                header("Refresh: 4; url = admin_panel.php");
                                echo 'Registrazione nuovo utente effettuata';
                                $database_handler = null;
                            } catch (PDOException $e) {
                                echo "Username non disponibile";
                                $database_handler = null;
                            }
                        }

                    else
                        echo 'Inserire stesso username e Password';
                    }
                    ?>

                </div>
                <br>
                <br>
                <br>
                <br>
                <br>

            </div>

        </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>
</html>
```

admin_admin.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>

<html>

    <body>

        <section class = 'panel' align="center">

            <?php include_once 'admin_buttons.php'; ?>

            <br>
```

```php
            <br>

            <div class = 'panel_title' id = 'admins_title'>
                AMMINISTRAZIONE ADMIN
            </div>

            <br>

            <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                <label>
                    <input name = 'inputSearch' type="text"/>
                </label>
                <label>
                    <select class="option" name="method">
                        <option value="all">Tutto</option>
                        <option value="username">Username</option>
                        <option value="name">Nome e Cognome</option>
                    </select>
                </label>

                <input hidden name = 'admins_button'/>

                <button type="submit" name = 'searchAdmin'>Cerca</button>
            </form>

            <?php

            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $query = '';

            if (isset ($_POST['searchAdmin']) && !empty($_POST['inputSearch']))
{

                if (isset($_POST['method'])) {
                    $input = strtoupper($_POST['inputSearch']);

                    switch ($_POST['method']) {

                        case ('all'): {
                            $query = "
                                SELECT *
                                FROM user_table
                                WHERE admin is true AND (upper(login) LIKE
:input OR upper(name) LIKE :input OR upper(surname) LIKE :input)
                                GROUP BY login
                                ORDER BY login ASC
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);

                            break;
                        }
```

```php
                    case ('username'): {
                        $query = "
                            SELECT *
                            FROM user_table
                            WHERE upper(login) LIKE :input AND admin is true
                            ORDER BY login ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);
                        break;
                    }

                    case ('name'): {
                        $query = "
                            SELECT *
                            FROM user_table
                            WHERE (upper(name) LIKE :input or upper(surname)
LIKE :input) AND admin is true
                            GROUP BY login
                            ORDER BY login ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);
                        break;
                    }

                    default: {
                        $query = "
                            SELECT *
                            FROM user_table
                            WHERE admin is true
                            GROUP BY login
                            ORDER BY login ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        break;
                    }
                }
            }

            else {
                $query = "
                SELECT *
                FROM user_table
                WHERE admin is true
                GROUP BY login
                ORDER BY login ASC
                ";
                $statement = $database_handler->prepare($query);
            }


            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            $database_handler = null;
            ?>
```

```php
            <?php if ($result != null): ?>

            <table class = 'box' id = 'admins_table' align="center"
width="100%">

                <tr>
                    <th>User</th>
                    <th>Nome</th>
                    <th>Cognome</th>
                    <th>Indirizzo</th>
                    <th>Telefono</th>
                    <th>Modifica </th>
                </tr>

                <?php foreach ($result as $row): ?>

                <tr <?php if ($row['login'] == $_SESSION['username']) echo
'style="font-weight: bold"'; ?>>
                    <td><?php echo $row['login']; ?></td>
                    <td><?php echo $row['name']; ?></td>
                    <td><?php echo $row['surname']; ?></td>
                    <td><?php echo $row['adress']; ?></td>
                    <td><?php $row['phone'] == null ? print"-" : print
$row['phone']; ?></td>
                    <td>
                        <form>
                            <br>
                            <a href="edit_admin.php?login=<?php echo
$row['login'];?>">
                                <button type="button" class = 'action_button'>
                                    <img src="../web/icons/edit.png" height=
'20' style="vertical-align: middle"/>
                                </button>
                            </a>
                        </form>
                    </td>
                </tr>

                <?php endforeach; ?>

            </table>

            <?php
            else:
                echo "<div class=error_messages>Nessun risultato corrisponde
alla ricerca.</div>";
            endif;
            ?>

            <br>
            <br>

            <div align="right">

                <form action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST" style="display: inline-block">
                    <button type= 'submit' name = 'admins_button' class =
'action_button'>
                        <img src="../web/icons/show_all.png" height= '20'
style="vertical-align: middle"/>
                        Mostra Tutto
                    </button>
```

```
                    </form>

                    <form action="<?php echo htmlentities("add_admin.php");?>"
style="display: inline-block">
                        <button class = 'action_button'>
                            <img src="../web/icons/add_admin.png" height= '20'
style="vertical-align: middle"/>
                            Aggiungi Admin
                        </button>
                    </form>

            </div>

        </section>

    </body>

</html>
```

admin_buttons.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>

<html>
    <body>

        <?php
        if (!isset($id)) {
```

```php
            $id = 'default';
        }
        ?>


        <div style="text-align: center">
            <br>
            <br>
            <form align="center" action="<?php echo
htmlentities('admin_panel.php');?>" method="POST">
                <button class = panel_button name="users_button"
id="users_button" <?php if ($id == 'users') echo 'disabled'; ?>>
                    <img src="../web/icons/user.png" style="vertical-align:
middle">
                    Amministra Utenti  
                </button>
                <button class = panel_button name="orders_button"
id="orders_button" <?php if ($id == 'orders') echo 'disabled'; ?>>
                    <img src="../web/icons/purchase_order.png" style="vertical-
align: middle">
                    Amministra Ordini
                </button>
                <button class = panel_button name="admins_button"
id="admins_button" <?php if ($id == 'admins') echo 'disabled'; ?>>
                    <img src="../web/icons/admin.png" style="vertical-align:
middle">
                    Amministra Admin
                </button>
                <button class = panel_button name ="products_button" id
="products_button" <?php if ($id == 'products') echo 'disabled'; ?>>
                    <img src="../web/icons/products.png" style="vertical-align:
middle">
                    Amministra Prodotti
                </button>
            </form>
        </div>

    </body>
</html>
```

admin_order.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>


<html>


    <body>
```

```php
    <?php
    include_once '..\templates\header.php';
    ?>

    <?php
    if ($_SESSION['user'] != 'admin') {
        header ('Location: ../utils/logout.php');
    }
    ?>

        <section class = 'panel' align="center">

            <?php include_once 'admin_buttons.php'; ?>

            <br>
            <br>
            <div class = 'panel_title' id = 'orders_title'>
                AMMINISTRAZIONE ORDINI
            </div>

            <br>

            <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                <label>
                    <input name = 'inputSearch' type="text"/>
                </label>
                <label>
                    <select class="option" name="method">
                        <option value="username">Per Utente</option>
                        <option value="id">Per Numero</option>
                        <option value="game">Per Videogioco</option>
                    </select>
                </label>
                <input hidden name = 'orders_button'>
                <button type="submit" name = 'searchOrder'>Cerca</button>
            </form>

            <?php

            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $errors = false;
            $query = '';

            if (isset ($_POST['searchOrder']) && !empty($_POST['inputSearch']))
{

                if (isset($_POST['method'])) {

                    $input = strtoupper($_POST['inputSearch']);

                    switch ($_POST['method']) {
```

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```php
                    case ('username'): {
                        $query = "
                            SELECT *
                            FROM order_table
                            WHERE upper(userid) LIKE :input
                            GROUP BY id
                            ORDER BY id ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement -> bindValue (":input", "$input%",
PDO::PARAM_STR);
                        break;
                    }

                    case ('id'): {
                        if (filter_var($input, FILTER_VALIDATE_INT)) {
                            $query = "
                                SELECT *
                                FROM order_table
                                WHERE id = :input
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement->bindParam(":input", $input);
                        }
                        else {
                            echo "<div class= error_messages>Inserire valore
numerico intero per l'ID.</div>";
                            $errors = true;
                        }
                        break;
                    }

                    case ('game'): {
                        $query = "
                            SELECT DISTINCT o.*
                            FROM order_table o, game_order g_o, videogame v
                            WHERE upper(v.title) LIKE :input AND o.id =
g_o.orderid AND v.id = g_o.gameid
                            GROUP BY o.id
                            ORDER BY o.id ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);
                        break;
                    }

                    default: {
                        $query = "
                            SELECT *
                            FROM order_table
                            GROUP BY id
                            ORDER BY id ASC
                        ";
                        $statement = $database_handler->prepare($query);
                        break;
                    }
                }
            }
        }

        else {
```

```php
                if (isset($_POST['user_to_check'])) {
                    $input = $_POST['user_to_check'];
                    $query = "
                        SELECT *
                        FROM order_table
                        WHERE userid = :input
                    ";
                    $statement = $database_handler->prepare($query);
                    $statement->bindParam(":input", $input);
                }
                else {
                    $query = "
                        SELECT *
                        FROM order_table
                        ";
                    $statement = $database_handler->prepare($query);
                }
            }

            $result = null;

            if(!$errors) {
                $database_handler->beginTransaction();
                $statement->execute();
                $database_handler->commit();
                $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            }
            $database_handler = null;

            ?>

            <?php
            if ($result != null): ?>

            <table class = 'box' id = 'orders_table' width="100%" align="center"
width="60%" action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST">

                <tr>
                    <th>Ordine</th>
                    <th>Utente</th>
                    <th>Data</th>
                    <th>Pagamento</th>
                    <th>Modifica</th>
                </tr>

                <?php foreach ($result as $row): ?>
                <tr>
                    <td><?php echo $row['id']; ?></td>
                    <td><?php echo $row['userid']; ?></td>
                    <td><?php echo date('d/m/Y - H:m', strtotime($row['date']));
?></td>
                    <td><?php echo $row['payment']; ?></td>
                    <td>
                        <form>
                            <a href="edit_order.php?id=<?php echo $row['id'];
?>">
                            <button type="button" class = 'action_button'>
                                <br>
                                <img src="../web/icons/edit.png" height= '20'
style="vertical-align: middle"/>
                            </button>
```

```
                        </a>
                    </form>
                </td>
            </tr>
            <?php endforeach; ?>

        </table>

        <?php elseif (!$errors) :
            echo "<div class= 'error_messages'>Nessun risultato corrisponde
alla ricerca</div>";
        endif;?>

        <br>

        <form action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
align="right" method="POST">
            <button type= 'submit' name = 'orders_button' class =
'action_button'>
                <img src="../web/icons/show_all.png" height= '20'
style="vertical-align: middle"/>
                Mostra Tutto
            </button>
        </form>

    </section>

  </body>

</html>
```

admin_panel.php

```php
<?php
include_once "..\config\configurations.php";

if ($_SESSION['user'] != 'admin') {
    header ('Location: ..\Utils\logout.php');
}
?>
```

```php
<html>

    <body>

        <?php
        include_once "../templates/header.php";
        ?>

        <?php

        $id = null;

        if (isset($_POST['products_button']))
            $id = 'products';


        elseif (isset($_POST['admins_button']))
            $id = 'admins';


        elseif (isset($_POST['users_button']))
            $id = 'users';

        elseif (isset($_POST['orders_button']))
            $id = 'orders';

        else
            $id = 'users';

        ?>

        <section class="main_content">

            <br>
            <br>

            <div class = 'admin_layout' align="center">
                <?php

                switch ($id) {
                    case ('products'): {
                        include_once 'admin_product.php';
                        break;
                    }
                    case ('users'): {
                        include_once 'admin_user.php';
                        break;
                    }
                    case ('orders'): {
                        include_once 'admin_order.php';
                        break;
                    }
                    case ('admins'): {
                        include_once 'admin_admin.php';
                        break;
                    }
                    default: {
                        include_once 'admin_user.php';
                        break;
                    }
                }
```

```php
                ?>
            </div>
        </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>

</html>
```

admin_product.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
    die("Non autorizzato");
}
?>
```

```php
<html>

    <body>

        <section class = 'panel' align="center">

            <?php include_once 'admin_buttons.php'; ?>

            <br>
            <br>

            <div class = 'panel_title' id = 'products_title'>
                AMMINISTRAZIONE PRODOTTI
            </div>

            <br>

            <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                <label>
                    <input name = 'inputSearch' type="text"/>
                </label>
                <label>
                    <select class="option" name="method">
                        <option value="id">ID</option>
                        <option value="title">Titolo</option>
                    </select>
                </label>
                <input hidden name = 'products_button'/>
                <button type="submit" name = 'searchGame'>Cerca</button>
            </form>

            <?php

            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $query = '';
            $errors = false;

            if (isset ($_POST['searchGame']) && !empty($_POST['inputSearch'])) {
                if (isset($_POST['method'])) {
                    $input = strtoupper($_POST['inputSearch']);
                    switch ($_POST['method']) {
                        case ('id'): {
                            if (filter_var($input, FILTER_VALIDATE_INT)) {
                                $query = "
                                SELECT *
                                FROM videogame
                                WHERE id = :input
                                ";
                                $statement = $database_handler->prepare($query);
                                $statement->bindParam(":input", $input);
                            }
                            else {
                                echo "<div class = 'error_messages'>Inserire
```

```php
valore numerico intero per l'ID.</div>";
                                    $errors = true;
                                }
                                break;
                            }

                            case ('title'): {
                                $query = "
                                SELECT *
                                FROM videogame
                                WHERE upper(title) LIKE :input
                                ORDER BY title ASC
                                ";
                                $statement = $database_handler->prepare($query);
                                $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);

                                break;
                            }

                            default: {
                                $query = "
                                SELECT *
                                FROM videogame
                                ORDER BY title ASC
                                ";
                                $statement = $database_handler->prepare($query);
                                break;
                            }
                        }
                    }
                }

                else {
                    $query = "
                    SELECT *
                    FROM videogame
                    ORDER BY title ASC
                    ";
                    $statement = $database_handler->prepare($query);
                }

                $result = null;

                if (!$errors) {
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetchAll(PDO::FETCH_ASSOC);
                }

                $database_handler = null;

                ?>

                <?php if ($result != null): ?>

                <table class = 'box' id = 'products_table' align="center"
width="100%" action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST">

                    <tr>
                        <th>Title</th>
```

```php
                    <th>Console</th>
                    <th>Price</th>
                    <th>Disponibili</th>
                    <th>Modifica</th>
                </tr>

                <?php foreach ($result as $row): ?>
                <tr>
                    <td><?php echo $row['title']; ?></td>
                    <td><?php echo $row['console']; ?></td>
                    <td> € <?php echo $row['price']; ?></td>
                    <td><?php $row['amount'] == 0 ? print"N/D" : print
$row['amount']; ?></td>
                    <td>
                        <form>
                            <a href = "edit_product.php?id=<?php echo
$row['id'];?>">
                                <button type="button" class = 'action_button'>
                                    <br>
                                    <img src="../web/icons/edit.png" height=
'20' style="vertical-align: middle"/>
                                </button>
                            </a>
                        </form>
                    </td>
                </tr>
                <?php endforeach; ?>

            </table>

            <?php else :
                if (!$errors)
                    echo "<div class='error_messages'>Nessun prodotto
corrisponde alla ricerca.</div>";
            endif; ?>

            <br>
            <br>

            <div align="right">
                <form action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST" style="display: inline-block">
                    <button type= 'submit' name = 'products_button' class =
'action_button'>
                        <img src="../web/icons/show_all.png" height= '20'
style="vertical-align: middle"/>
                        Mostra Tutto
                    </button>
                </form>

                <form action="<?php echo htmlentities('add_product.php');?>"
style="display: inline-block">
                    <button class = 'action_button'>
                        <img src="../web/icons/add_product.png" height= '20'
style="vertical-align: middle"/>
                        Aggiungi Prodotto
                    </button>
                </form>
            </div>

        </section>
    </body>
```

```
</html>
```

admin_user.php

```php
<?php
if (basename($_SERVER['PHP_SELF']) == basename(__FILE__)) {
```

```php
    die("Non autorizzato");
}
?>

<html>

    <body>
        <section class = 'panel' align="center">

            <?php include_once 'admin_buttons.php'; ?>

            <br>
            <br>

            <div class = 'panel_title' id = 'users_title'>
                AMMINISTRAZIONE UTENTI
            </div>

            <br>

            <form align="center" action="<?php echo
htmlentities($_SERVER["PHP_SELF"]);?>" method="POST">
                <label>
                    <input name = 'inputSearch' type="text"/>
                </label>
                <label>
                    <select class="option" name="method">
                        <option value="all">Tutto</option>
                        <option value="username">Username</option>
                        <option value="name">Nome e Cognome</option>
                    </select>
                </label>
                <input hidden name = 'users_button'/>
                <button type="submit" name = 'searchUser'>Cerca</button>
            </form>

            <?php

            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $query = '';

            if (isset ($_POST['searchUser']) && !empty($_POST['inputSearch'])) {

                if (isset($_POST['method'])) {
                    $input = strtoupper($_POST['inputSearch']);

                    switch ($_POST['method']) {

                        case ('all'): {
                            $query = "
                            SELECT *
                            FROM user_table
                            WHERE admin is false AND (upper(login) LIKE :input
OR upper(name) LIKE :input OR upper(surname) LIKE :input)
```

```php
                                    GROUP BY login
                                    ORDER BY login ASC
                                    ";
                                    $statement = $database_handler->prepare($query);
                                    $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);

                                    break;
                            }

                            case ('username'): {
                                    $query = "
                                    SELECT *
                                    FROM user_table
                                    WHERE upper(login) LIKE :input AND admin is false
                                    ORDER BY login ASC
                                    ";
                                    $statement = $database_handler->prepare($query);
                                    $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);

                                    break;
                            }

                            case ('name'): {
                                    $query = "
                                    SELECT *
                                    FROM user_table
                                    WHERE (upper(name) LIKE :input or upper(surname)
LIKE :input) AND admin is false
                                    GROUP BY login
                                    ORDER BY login ASC
                                    ";
                                    $statement = $database_handler->prepare($query);
                                    $statement -> bindValue (":input", "%$input%",
PDO::PARAM_STR);

                                    break;
                            }

                            default: {
                                    $query = "
                                    SELECT *
                                    FROM user_table
                                    WHERE admin is false
                                    GROUP BY login
                                    ORDER BY login ASC
                                    ";
                                    $statement = $database_handler->prepare($query);
                                    break;
                            }
                        }
                    }
                }

            else {
                $query = "
                SELECT *
                FROM user_table
                WHERE admin is false
                GROUP BY login
                ORDER BY login ASC
                ";
                $statement = $database_handler->prepare($query);
            }
```

```php
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            $database_handler = null;
            ?>

            <?php if ($result != null): ?>

            <table class = 'box' id = 'users_table' align="center" width="100%">
                <tr>
                    <th>User</th>
                    <th>Nome</th>
                    <th>Cognome</th>
                    <th>Indirizzo</th>
                    <th>Telefono</th>
                    <th>Ordini</th>
                    <th>Modifica </th>
                </tr>

                <?php foreach ($result as $row): ?>
                <tr>
                    <td><?php echo $row['login']; ?></td>
                    <td><?php echo $row['name']; ?></td>
                    <td><?php echo $row['surname']; ?></td>
                    <td><?php echo $row['adress']; ?></td>
                    <td><?php $row['phone'] == null ? print"-" : print
$row['phone']; ?></td>
                    <td>
                        <form action="<?php echo
htmlentities($_SERVER['PHP_SELF']);?>" method="POST">

                            <button type="submit" class = 'action_button'
name="orders_button">
                                <br>
                                <img src="../web/icons/purchase_order.png"
height= '20'  style="vertical-align: middle"/>
                            </button>
                            <input hidden name = "user_to_check" value="<?php
echo $row['login']; ?>"/>
                        </form>
                    </td>
                    <td>
                        <a href="edit_user.php?login=<?php echo
$row['login'];?>">
                            <button type="button" class = 'action_button'>
                                <img src="../web/icons/edit.png" height= '20'
style="vertical-align: middle"/>
                            </button>
                        </a>
                    </td>
                </tr>
                <?php endforeach; ?>

            </table>

            <?php
            else:
                echo "<div class=error_messages>Nessun risultato corrisponde
alla ricerca.</div>";
```

```php
            endif;
            ?>

            <br>
            <br>

            <div align="right">
                <form action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST" style="display: inline-block">
                    <button type= 'submit' name = 'users_button' class =
'action_button'>
                        <img src="../web/icons/show_all.png" height= '20'
style="vertical-align: middle"/>
                        Mostra Tutto
                    </button>
                </form>

                <form style="display: inline-block">
                    <a href="add_user.php">
                    <button type="button" class = 'action_button'>
                        <img src="../web/icons/add_user.png" height= '20'
style="vertical-align: middle"/>
                        Aggiungi Utente
                    </button>
                    </a>
                </form>
            </div>

        </section>

    </body>

</html>
```

edit_admin

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}

if (!isset($_GET['login']))
    header ('Location: admin_panel.php');
?>

<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <section class= "main_content">

            <br>
            <br>

            <div class = 'admin_layout' align="center">

                <section class = 'panel' align="center">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>

                    <?php

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }

                    $query = "
                    SELECT *
                    FROM user_table
                    WHERE login = :login AND admin is true
                    ";
                    $statement = $database_handler->prepare($query);
                    $statement->bindParam(':login', $_GET['login']);
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetch(PDO::FETCH_ASSOC);
                    $database_handler = null;

                    if (!$result) {
```

```php
                                header('Location: admin_panel.php');
                            }

                        ?>

                        <div class = 'panel_title' id = 'admins_title'>

                            MODIFICA ADMIN   <?php echo
$result['login'].($_SESSION['username']==$_GET['login']?' (Tu)':''); ?>

                        </div>

                        <br>

                        <script type="text/javascript">
                            function show (num) {
                                if (document.getElementById('content' + num).hidden
=== true) {
                                    document.getElementById('content' + num).hidden
= false;
                                    document.getElementById('show' + num).innerHTML
= '- Hide';
                                    document.getElementById('x' +
num).src="../web/icons/hidden.png";
                                }
                                else {
                                    document.getElementById('content' + num).hidden
= true;
                                    document.getElementById('show' + num).innerHTML
= '- Show';
                                    document.getElementById('x' +
num).src="../web/icons/shown.png";
                                }
                            }
                        </script>

                        <div class = 'edit_panel' id="edit_admin_panel"
align="center">

                            <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF'] . '?login=' . $result['login']); ?>" method = "POST">

                                <div class="menu_header" id = 'menu1'
onclick="show(1)" style="position: relative">
                                    <b>
                                        USERNAME  (attuale = <?php echo
$result['login'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show1' style="display: inline;
font-size: 80%">
                                            - Show
                                        </div>
                                        <img id="x1" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                                </div>

                                <div class= 'menu_content' id ='content1' hidden>
                                    <label>
```

```html
                                                Nuovo Username: <br> <br>
                                                <input id = 'login' maxlength="20"
type="text" name = "login" />
                                                <button type="submit" name="submit">
                                                    <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                        Modifica
                                                </button>
                                            </label>
                                        </div>


                                        <div class="menu_header" id = 'menu2'
onclick="show(2)" style="position: relative">
                                            <b>
                                                PASSWORD  (attuale = <?php echo
$result['password'];?>)
                                            </b>

                                            <div style="position: absolute; right:6px; top:
5px; display: inline">
                                                <div id = 'show2' style="display: inline;
font-size: 80%">
                                                    - Show
                                                </div>
                                                <img id="x2" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                            </div>
                                        </div>

                                        <div class= 'menu_content' id ='content2' hidden>
                                            <label>
                                                Nuova Password: <br> <br>
                                                <input id = 'password'  maxlength="20"
type="password" name = "password" />
                                                <button type="submit" name="submit">
                                                    <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                        Modifica
                                                </button>
                                            </label>
                                        </div>


                                        <div class="menu_header" id = 'menu3'
onclick="show(3)" style="position: relative">
                                            <b>
                                                NOME  (attuale = <?php echo
$result['name'];?>)
                                            </b>

                                            <div style="position: absolute; right:6px; top:
5px; display: inline">
                                                <div id = 'show3' style="display: inline;
font-size: 80%">
                                                    - Show
                                                </div>
                                                <img id="x3" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                            </div>
```

```html
                                                </div>

                                                <div class= 'menu_content' id ='content3' hidden>
                                                    <label>
                                                        Nuovo Nome: <br> <br>
                                                        <input id = 'name' maxlength="20"
type="text" name = "name" />
                                                        <button type="submit" name="submit">
                                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                            Modifica
                                                        </button>
                                                    </label>
                                                </div>


                                                <div class="menu_header" id = 'menu4'
onclick="show(4)" style="position: relative">
                                                        <b>
                                                            COGNOME  (attuale = <?php echo
$result['surname'];?>)
                                                        </b>

                                                        <div style="position: absolute; right:6px; top:
5px; display: inline">
                                                            <div id = 'show4' style="display: inline;
font-size: 80%">
                                                                - Show
                                                            </div>
                                                            <img id="x4" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                                        </div>
                                                </div>

                                                <div class= 'menu_content' id ='content4' hidden>
                                                    <label>
                                                        Nuovo Cognome: <br> <br>
                                                        <input id = 'surname'  maxlength="20"
type="text" name = "surname" />
                                                        <button type="submit" name="submit">
                                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                            Modifica
                                                        </button>
                                                    </label>
                                                </div>


                                                <div class="menu_header" id = 'menu5'
onclick="show(5)" style="position: relative">
                                                        <b>
                                                            INDIRIZZO  (attuale = <?php echo
$result['adress'];?>)
                                                        </b>

                                                        <div style="position: absolute; right:6px; top:
5px; display: inline">
                                                            <div id = 'show5' style="display: inline;
font-size: 80%">
                                                                - Show
```

```html
                                    </div>
                                    <img id="x5" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                </div>
                            </div>

                            <div class= 'menu_content' id ='content5' hidden>
                                <label>
                                    Nuovo Indirizzo: <br> <br>
                                    <input id = 'adress' maxlength="100"
type="text" name = "adress" />
                                    <button type="submit" name="submit">
                                        <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                            Modifica
                                    </button>
                                </label>
                            </div>



                            <div class="menu_header" id = 'menu6'
onclick="show(6)" style="position: relative">
                                <b>
                                    TELEFONO   (attuale = <?php echo
$result['phone']==null?'N/D':$result['phone'];?>)
                                </b>

                                <div style="position: absolute; right:6px; top:
5px; display: inline">
                                    <div id = 'show6' style="display: inline;
font-size: 80%">
                                        - Show
                                    </div>
                                    <img id="x6" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                </div>
                            </div>

                            <div class= 'menu_content' id ='content6' hidden>
                                <label>
                                    Nuovo Telefono: <br> <br>
                                    <input id = 'phone' maxlength="10"
type="tel" name = "phone" />
                                    <button type="submit" name="submit">
                                        <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                            Modifica
                                    </button>
                                </label>
                            </div>

                            <br>

                            <div align="right">
                                <button class="action_button" type="submit"
name="submit">
                                    <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                    Modifica Admin
                                </button>
```

```php
                                                <?php if
($_GET['login']!=$_SESSION['username']): ?>

                                                    <button class="action_button" type="submit"
name="delete">
                                                        <img src="../web/icons/delete.png" height=
'20'  style="vertical-align: middle"/>
                                                        Rimuovi Poteri Amministratore
                                                    </button>

                                                <?php endif; ?>
                                            </div>
                                        </form>

                                        <div class="error_messages">

                                        <?php

                                        if (isset($_POST['delete'])) {
                                            try {
                                                $database_handler = new PDO ($dns);
                                                $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
                                            } catch (PDOException $e) {
                                                echo $e->getMessage();
                                                die();
                                            }
                                            $query = "
                                                UPDATE user_table
                                                SET admin = false
                                                WHERE login = :login
                                            ";
                                            $statement = $database_handler->prepare($query);
                                            $statement->bindParam(':login', $_GET['login']);
                                            $database_handler->beginTransaction();
                                            $statement->execute();
                                            $database_handler->commit();
                                            $result = $statement->fetchAll(PDO::FETCH_OBJ);
                                            $database_handler = null;
                                            if ($result) {
                                                echo "Rimozione Admin riuscita.";
                                            }
                                            else {
                                                echo 'Rimozione Admin non riuscita.';
                                            }
                                            $database_handler = null;
                                            header('Refresh:4; url = admin_panel.php');
                                        }

                                        if (isset ($_POST['submit'])) {

                                            if (!empty($_POST['login']) ||
!empty($_POST['password']) || !empty($_POST['adress']) ||
!empty($_POST['phone'])|| !empty($_POST['name'])
                                                || !empty($_POST['surname'])) {

                                                try {
                                                    $database_handler = new PDO ($dns);
                                                    $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
                                                } catch (PDOException $e) {
                                                    echo $e->getMessage();
```

```php
                                                    die();
                                                }

                                                $success = true;

                                                if (!empty($_POST['login'])) {
                                                    try {
                                                        $query = "
                                          UPDATE user_table
                                          SET login = :newlogin
                                          WHERE login = :login
                                        ";
                                                        $statement = $database_handler-
>prepare($query);
                                                        $statement->bindParam(':login',
$_GET['login']);
                                                        $statement->bindParam(':newlogin',
$_POST['login']);
                                                        $database_handler->beginTransaction();
                                                        $statement->execute();
                                                        $database_handler->commit();
                                                        $_GET['login']=$_POST['login'];
                                                    } catch (PDOException $error) {
                                                        $success = false;
                                                        echo 'Login non disponibile';
                                                    }
                                                }

                                                if (!empty($_POST['password'])) {
                                                    $query = "
                                      UPDATE user_table
                                      SET password = :password
                                      WHERE login = :login
                                    ";
                                                    $statement = $database_handler-
>prepare($query);
                                                    $statement->bindParam(':login',
$_GET['login']);
                                                    $statement->bindParam(':password',
$_POST['password']);
                                                    $database_handler->beginTransaction();
                                                    $statement->execute();
                                                    $database_handler->commit();
                                                }

                                                if (!empty($_POST['name'])) {
                                                    $query = "
                                          UPDATE user_table
                                          SET name = :name
                                          WHERE login = :login
                                        ";
                                                    $statement = $database_handler-
>prepare($query);
                                                    $statement->bindParam(':login',
$_GET['login']);
                                                    $statement->bindParam(':name',
$_POST['name']);
                                                    $database_handler->beginTransaction();
                                                    $statement->execute();
                                                    $database_handler->commit();
                                                }
```

```php
                                    if (!empty($_POST['surname'])) {
                                        $query = "
                                      UPDATE user_table
                                      SET surname = :surname
                                      WHERE login = :login
                                    ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':surname',
$_POST['surname']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                    }

                                    if (!empty($_POST['adress'])) {
                                        $query = "
                                      UPDATE user_table
                                      SET adress = :adress
                                      WHERE login = :login
                                    ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':adress',
$_POST['adress']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                    }

                                    if (!empty($_POST['phone'])) {
                                        $query = "
                                      UPDATE user_table
                                      SET phone = :phone
                                      WHERE login = :login
                                    ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':phone',
$_POST['phone']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                    }

                                    $database_handler = null;

                                    if ($success) {
                                        header ('Location:
edit_admin.php?login='.$_GET['login']);
                                    }
                                }

                            else {
                                echo 'Inserire almeno un nuovo dato';
                            }
```

```php
                    }

                    ?>

                    </div>

                </div>

            </section>

        </div>

    </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

    </body>
</html>
```

edit_order.php

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}

if (!isset($_GET['id']))
    header ('Location: admin_panel.php');
?>

<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <section class= "main_content">

            <br>
            <br>

            <div class="admin_layout" align="center">

                <section class = 'panel' align="center">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>

                    <?php

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
```

```php
                echo $e->getMessage();
                die();
            }

            $order = array();

            $query = "
            SELECT *
            FROM order_table
            WHERE  id = :id
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $_GET['id']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetch(PDO::FETCH_OBJ);

            $order = array ('id' => $result->id, 'date' => $result->date, 'payment' => $result->payment, 'games' => array());
            $query = "
            SELECT v.*, g_o.copies
            FROM game_order g_o JOIN videogame v on g_o.gameid = v.id
            WHERE g_o.orderid = :id
            GROUP BY v.id, g_o.copies
            ORDER BY v.id ASC
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $order['id']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);
            $database_handler = null;
            if (!$result) {
                header('Location: admin_panel.php');
            }
            foreach ($result as $res) {
                $order['games'][$res['id']] = array (
                    'id' => $res['id'],
                    'title' => $res['title'],
                    'console' => $res['console'],
                    'amount' => $res['copies'],
                    'price' =>
floatval($res['price']*intval($res['copies']))
                );
            }
            ?>

            <div class = 'panel_title' id = 'orders_title'>

                MODIFICA ORDINE   <?php echo $order['id']; ?>

            </div>

            <br>

            <table class = 'box' id = 'orders_table' align="center"
width="100%" action="<?php echo htmlentities($_SERVER["PHP_SELF"]);?>"
method="POST">
                <tr>
                    <th>Title</th>
```

```php
                                <th>Console</th>
                                <th>Price</th>
                                <th>Quantità</th>
                                <th>Elimina</th>
                            </tr>

                            <?php foreach ($order['games'] as $game): ?>
                            <tr>
                                <td><?php echo $game['title']; ?></td>
                                <td><?php echo $game['console']; ?></td>
                                <td><?php echo $game['price']; ?></td>
                                <td>
                                    <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"].'?id='.$order['id']);?>" method="POST">
                                        <br>
                                        <input hidden name = 'amount' value="<?php
echo $game['amount'];?>">
                                        <input type="number" min = '0'
name="new_amount" value="<?php echo $game['amount']; ?>">
                                        <button type="submit" class =
'action_button' name="edit_amount" value="<?php echo $game['id']; ?>">
                                            <img src="../web/icons/edit.png" height=
'20' style="vertical-align: middle"/>
                                        </button>
                                    </form>
                                </td>
                                <td>
                                    <form action="<?php echo
htmlentities($_SERVER["PHP_SELF"].'?id='.$order['id']);?>" method="POST">
                                        <button type="submit" class =
'action_button' name="delete_game" value="<?php echo $game['id']; ?>">
                                            <br>
                                            <img src="../web/icons/delete.png"
height= '20' style="vertical-align: middle"/>
                                        </button>
                                    </form>
                                </td>
                            </tr>
                            <?php endforeach; ?>

                    </table>

                    <br>
                    <br>

                    <table align="right" style="text-align: right">
                        <tr>
                            <td>
                                DATA: <?php echo date('d/m/Y - H:m',
strtotime($order['date']));?>
                            </td>
                            <td>
                                  PAGAMENTO: <?php echo
$order['payment'];?>
                            </td>
                        </tr>

                        <tr>
                            <td>
                                <form>
                                    <a href="add_order_product.php?id=<?php echo
$order['id']; ?>">
```

```html
                                    <button class="action_button"
type="button">
                                        <img
src="../web/icons/add_product.png" height= '20' style="vertical-align: middle"/>
                                        Aggiungi Prodotto
                                    </button>
                                </a>
                            </form>
                        </td>
                        <td>
                            <form action="<?php echo
htmlentities($_SERVER['PHP_SELF'].'?id='.$order['id']);?>" method="POST">
                                <button type="submit" class =
'action_button' name="delete_order" value="<?php echo $order['id']; ?>">
                                    <img src="../web/icons/delete.png"
height= '20' style="vertical-align: middle"/>
                                    Elimina Ordine
                                </button>
                            </form>
                        </td>
                    </tr>
                </table>

                <br>
                <br>
                <br>

                <div class="error_messages">
                <?php

                if (isset ($_POST['edit_amount'])) {
                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
                    }

                    $gamesId = array();

                    $query = "
                    SELECT copies
                    FROM game_order
                    WHERE  orderid = :id AND gameid = :game
                    ";
                    $statement = $database_handler->prepare($query);
                    $statement->bindParam(':id', $_GET['id']);
                    $statement->bindParam(':game', $_POST['edit_amount']);
                    $database_handler->beginTransaction();
                    $statement->execute();
                    $database_handler->commit();
                    $result = $statement->fetch(PDO::FETCH_ASSOC);

                    if ($result) {
                        if ($_POST['new_amount']>$result['copies']) {
                            $query = "
                            UPDATE videogame
                            SET amount = amount - :amount
                            WHERE id = :id
                            ";
```

```php
                                            $statement = $database_handler->prepare($query);
                                            $statement->bindParam(':id',
$_POST['edit_amount']);
                                            $new_amount = intval($_POST['new_amount']) -
intval($result['copies']);
                                        }
                                        else {
                                            $query = "
                                            UPDATE videogame
                                            SET amount = amount + :amount
                                            WHERE id = :id
                                            ";
                                            $statement = $database_handler->prepare($query);
                                            $statement->bindParam(':id',
$_POST['edit_amount']);
                                            $new_amount = intval($result['copies']) -
intval($_POST['new_amount']) ;
                                        }

                                        try {
                                            $statement->bindParam(':amount', $new_amount);
                                            $database_handler->beginTransaction();
                                            $statement->execute();
                                            $database_handler->commit();

                                            if (intval($_POST['new_amount']) > 0) {
                                                $query = "
                                                UPDATE game_order
                                                SET copies = :amount
                                                WHERE  orderid = :id AND gameid = :game
                                                ";
                                                $statement = $database_handler-
>prepare($query);

                                                $statement->bindParam(':id', $_GET['id']);
                                                $statement->bindParam(':amount',
intval($_POST['new_amount']));
                                                $statement->bindParam(':game',
$_POST['edit_amount']);
                                                $database_handler->beginTransaction();
                                                $statement->execute();
                                                $database_handler->commit();
                                            } else {
                                                $query = "
                                                DELETE FROM game_order
                                                WHERE  orderid = :id AND gameid = :game
                                                ";
                                                $statement = $database_handler-
>prepare($query);
                                                $statement->bindParam(':id', $_GET['id']);
                                                $statement->bindParam(':game',
$_POST['edit_amount']);
                                                $database_handler->beginTransaction();
                                                $statement->execute();
                                                $database_handler->commit();

                                                $query = "
                                                SELECT FROM game_order
                                                WHERE orderid = :id;
                                                ";
                                                $statement = $database_handler-
>prepare($query);
```

```php
                            $statement->bindParam(':id', $_GET['id']);
                            $database_handler->beginTransaction();
                            $statement->execute();
                            $database_handler->commit();
                            $result = $statement->rowCount();
                            if (!$result) {
                                $query = "
                                DELETE FROM order_table
                                WHERE id = :id;
                                ";
                                $statement = $database_handler->prepare($query);

                                $statement->bindParam(':id', $_GET['id']);

                                $database_handler->beginTransaction();
                                $statement->execute();
                                $database_handler->commit();
                            }
                        }
                        $database_handler = null;
                        header('Refresh: 0');
                    }
                    catch (PDOException $e){
                        echo "Quantità di prodotti Insufficiente per la richiesta.";
                    }
                }
            }

        elseif (isset($_POST['delete_order'])) {
            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $gamesId = array();

            $query = "
                SELECT gameid, copies
                FROM game_order
                WHERE  orderid = :id
                GROUP BY gameid, copies
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $_POST['delete_order']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetchAll(PDO::FETCH_ASSOC);

            foreach ($result as $row) {
                $gamesId[$row['gameid']] = $row['copies'];
            }

            foreach ($gamesId as $game=>$amount) {
                $query = "
                    UPDATE videogame
                    SET amount = amount + :amount
```

```php
                              WHERE id = :id
                ";
                $statement = $database_handler->prepare($query);
                $statement->bindParam(':id', $game);
                $statement->bindParam(':amount', intval($amount));
                $database_handler->beginTransaction();
                $statement->execute();
                $database_handler->commit();
            }


            $query = "
            DELETE FROM order_table
            WHERE  id = :id
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id',
intval($_POST['delete_order']));
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $database_handler = null;
            header('admin_panel.php');
        }

        elseif (isset($_POST['delete_game'])){
            try {
                $database_handler = new PDO ($dns);
                $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
            } catch (PDOException $e) {
                echo $e->getMessage();
                die();
            }

            $gamesId = array();

            $query = "
                SELECT copies
                FROM game_order
                WHERE  orderid = :id AND gameid = :game
            ";
            $statement = $database_handler->prepare($query);
            $statement->bindParam(':id', $_GET['id']);
            $statement->bindParam(':game', $_POST['delete_game']);
            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
            $result = $statement->fetch(PDO::FETCH_ASSOC);

            if ($result) {
                $query = "
                    UPDATE videogame
                    SET amount = amount + :amount
                    WHERE id = :id
                ";
                $statement = $database_handler->prepare($query);
                $statement->bindParam(':id', $_POST['delete_game']);
                $statement->bindParam(':amount',
intval($result['copies']));
                $database_handler->beginTransaction();
                $statement->execute();
```

```php
                        $database_handler->commit();

                        $query = "
                            DELETE FROM game_order
                            WHERE  orderid = :id AND gameid = :game
                        ";
                        $statement = $database_handler->prepare($query);
                        $statement->bindParam(':id', $_GET['id']);
                        $statement->bindParam(':game',
$_POST['delete_game']);
                        $database_handler->beginTransaction();
                        $statement->execute();
                        $database_handler->commit();
                        $database_handler = null;
                        header('Location: admin_panel.php');
                    }
                }
                ?>
                </div>

            </section>

        </div>

    </section>

    <?php
    include_once '..\templates\footer.php';
    ?>

</body>

</html>
```

edit_product.php

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}

if (!isset($_GET['id']))
    header ('Location: admin_panel.php');
?>

<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <section class= "main_content">

            <br>
            <br>

            <div class = 'admin_layout' align="center">

                <section class = 'panel' align="center">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>

                    <?php

                    try {
                        $database_handler = new PDO ($dns);
                        $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
                    } catch (PDOException $e) {
                        echo $e->getMessage();
                        die();
```

```php
                }

                $query = "
                SELECT *
                FROM videogame
                WHERE id = :id
                ";
                $statement = $database_handler->prepare($query);
                $statement->bindParam(':id', $_GET['id']);
                $database_handler->beginTransaction();
                $statement->execute();
                $database_handler->commit();
                $result = $statement->fetch(PDO::FETCH_ASSOC);
                $database_handler = null;
                if (!$result) {
                    header('Location: admin_panel.php');
                }
                ?>

                <div class = 'panel_title' id = 'products_title'>

                    MODIFICA PRODOTTO   <?php echo $result['id']; ?>

                </div>

                <br>

                <script type="text/javascript">
                    function show (num) {
                        if (document.getElementById('content' + num).hidden
=== true) {
                            document.getElementById('content' + num).hidden
= false;
                            document.getElementById('show' + num).innerHTML
= '- Hide';
                            document.getElementById('x' +
num).src="../web/icons/hidden.png";
                        }
                        else {
                            document.getElementById('content' + num).hidden
= true;
                            document.getElementById('show' + num).innerHTML
= '- Show';
                            document.getElementById('x' +
num).src="../web/icons/shown.png";
                        }
                    }
                </script>


                <div class = 'edit_panel' id="edit_product_panel"
align="center">
                    <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF'] . '?id=' . $result['id']); ?>" method = "POST"
enctype="multipart/form-data">

                        <div class="menu_header" id = 'menu1'
onclick="show(1)" style="position: relative">
                            <b>
                                TITOLO  (attuale = <?php echo
$result['title'];?>)
                            </b>
```

```html
                                <div style="position: absolute; right:6px; top:
5px; display: inline">
                                    <div id = 'show1' style="display: inline;
font-size: 80%">
                                        - Show
                                    </div>
                                    <img id="x1" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                </div>
                            </div>

                            <div class= 'menu_content' id ='content1' hidden>
                                <label>
                                    Nuovo Titolo: <br> <br>
                                    <input id = 'title'  maxlength="50"
type="text" name = "title" />
                                    <button type="submit" name="submit">
                                        <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                        Modifica
                                    </button>
                                </label>
                            </div>




                            <div class="menu_header" id = 'menu2'
onclick="show(2)" style="position: relative">
                                <b>
                                    CONSOLE  (attuale = <?php echo
$result['console'];?>)
                                </b>

                                <div style="position: absolute; right:6px; top:
5px; display: inline">
                                    <div id = 'show2' style="display: inline;
font-size: 80%">
                                        - Show
                                    </div>
                                    <img id="x2" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                </div>
                            </div>

                            <div class= 'menu_content' id ='content2' hidden>
                                Nuova Console: <br> <br>
                                <ul class='fieldset'>
                                    <li>
                                        <label>
                                        <input type ='radio' value = 'PS4'
name="console" />
                                        <img src="../web/icons/PS.png"
height="20" width="20" style="vertical-align: middle"/>
                                              PS4
                                        </label>
                                    </li>
                                    <li>
                                        <label>
                                        <input type ='radio' value = 'Xbox
One' name="console" />
```

```html
                                                  <img src="../web/icons/XBOX.png"
height="20" style="vertical-align: middle"/>
                                                        Xbox One
                                                      </label>
                                              </li>
                                              <li>
                                                  <label>
                                                  <input type ='radio' value =
'Switch' name="console" />
                                                  <img src="../web/icons/NINTENDO.png"
height="20" style="vertical-align: middle"/>
                                                        Switch
                                                      </label>
                                              </li>
                                              <li>
                                                  <label>
                                                  <input type ='radio' value = 'PC'
name="console" />
                                                  <img src="../web/icons/PC.png"
height="20" style="vertical-align: middle"/>
                                                        PC
                                                      </label>
                                              </li>
                                          </ul>
                                          <br>
                                          <button type="submit" name="submit">
                                              <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                  Modifica
                                          </button>
                                  </div>



                                  <div class="menu_header" id = 'menu3'
onclick="show(3)" style="position: relative">
                                          <b>
                                              PREZZO  (attuale = €<?php echo
$result['price'];?>)
                                          </b>

                                          <div style="position: absolute; right:6px; top:
5px; display: inline">
                                              <div id = 'show3' style="display: inline;
font-size: 80%">
                                                   - Show
                                              </div>
                                              <img id="x3" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                          </div>
                                  </div>

                                  <div class= 'menu_content' id ='content3' hidden>
                                      <label>
                                          Nuovo Prezzo: <br> <br>
                                          €  
                                          <input id = 'price' type="number" name =
'price_round' min="0"/> .
                                          <input id = 'price' type="number" name =
'price_cents' min="0" max="99" value="0" style="display: inline">
                                          <button type="submit" name="submit">
```

```html
                                    <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                        Modifica
                                    </button>
                                </label>
                            </div>




                            <div class="menu_header" id = 'menu4'
onclick="show(4)" style="position: relative">
                                    <b>
                                        DISPONIBILI  (attuale = <?php echo
$result['amount'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show4' style="display: inline;
font-size: 80%">
                                            - Show
                                        </div>
                                        <img id="x4" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                            </div>

                            <div class= 'menu_content' id ='content4' hidden>
                                <label>
                                    Nuova Disponiblità: <br> <br>
                                    <input id = 'amount' name="amount"
type="number" min="0" value="<?php echo $result['amount']; ?>"/>
                                        <button type="submit" name="submit">
                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                            Modifica
                                        </button>
                                </label>
                            </div>




                            <div class="menu_header" id = 'menu5'
onclick="show(5)" style="position: relative">
                                    <b>
                                        COPERTINA
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show5' style="display: inline;
font-size: 80%">
                                            - Show
                                        </div>
                                        <img id="x5" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                            </div>

                            <div class= 'menu_content' id ='content5' hidden>
```

```html
                                    <table align="center" style="text-align:
center">
                                        <tr>
                                            <td>
                                                Attuale:
                                            </td>
                                            <td>
                                                Nuova Copertina:
                                            </td>
                                        </tr>
                                        <tr>
                                            <td>
                                                <br>
                                                <img height="200"
                                                    src="<?php
file_exists("../web/images/" . $result['id'] . ".jpg") ? print "../web/images/"
. $result['id'] . ".jpg" :
                                                        print
'../web/images/NA.jpg'; ?>"
                                                >
                                            </td>
                                            <td>
                                                <label>
                                                    <input type= "file" name
='file'>
                                                    <br>
                                                    <br>
                                                    <button type="submit"
name="submit">
                                                        <img
src="../web/icons/edit.png" height= '20'  style="vertical-align: middle"/>
                                                        Modifica
                                                    </button>
                                                </label>
                                            </td>
                                        </tr>
                                    </table>
                                </div>

                                <br>

                                <div align="right">
                                    <button class="action_button" type="submit"
name="submit">
                                        <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                        Modifica Gioco
                                    </button>

                                    <input hidden name="id" value= '<?php echo
$result['id'];?>'/>
                                    <button class="action_button" type="submit"
name="delete">
                                        <img src="../web/icons/delete.png" height=
'20'  style="vertical-align: middle"/>
                                        Elimina Gioco
                                    </button>
                                </div>
                            </form>

                        <br>
                        <br>
```

```php
<div class="error_messages">
<?php

if (isset($_POST['delete'])) {
    try {
        $database_handler = new PDO ($dns);
        $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    } catch (PDOException $e) {
        echo $e->getMessage();
        die();
    }
    try {
        $query = "
            DELETE FROM videogame
            WHERE id = :id
        ";
        $statement = $database_handler->prepare($query);
        $statement->bindParam(':id', $_POST['id']);
        $database_handler->beginTransaction();
        $statement->execute();
        $database_handler->commit();
        $result = $statement->fetchAll(PDO::FETCH_OBJ);
        if ($result) {
            echo "eliminazione riuscita";
            header('Refresh:4; url = admin_panel.php');
        } else {
            echo 'eliminazione non riuscita';
        }
    }
    catch (PDOException $error) {
        echo "Sono presenti ordini con questo
videogioco, impossibile eliminare!";
    }
    $database_handler = null;
}

if (isset ($_POST['submit'])) {


    try {
        $database_handler = new PDO ($dns);
        $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    } catch (PDOException $e) {
        echo $e->getMessage();
        die();
    }

    $alright = true;
    $upload = false;
    $fileName = null;
    $fileTmp = null;
    $fileError = null;
    $fileSize = null;
    $fileExt = null;

    if (is_uploaded_file($_FILES['file']['tmp_name'])) {

        $file = $_FILES['file'];
```

```php
$fileName = $_FILES['file']['name'];
$fileTmp = $_FILES['file']['tmp_name'];
$fileError = $_FILES['file']['error'];
$fileSize = $_FILES['file']['size'];

$fileExt = explode('.', $fileName);
$fileExt = strtolower(end($fileExt));

$allowed = 'jpg';

if ($fileExt == $allowed) {
    if ($fileError === 0) {
        if ($fileSize < 1000000) {
            $upload = true;
        } else {
            echo 'File troppo grande';
            $alright = false;
        }
    } else {
        echo "Errore nell'Upload";
        $alright = false;
    }
} else {
    echo 'Estensione non utilizzabile';
    $alright = false;
}
}

if ($alright) {

    if
(!empty($_POST['title'])||!empty($_POST['price_round'])||!empty($_POST['console'
])||!empty($_POST['amount'])) {
        if (!empty($_POST['title'])) {
            $query = "
            UPDATE videogame
            SET title = :title
            WHERE id = :id
            ";
            $statement = $database_handler-
>prepare($query);

            $statement->bindParam(':id',
$_GET['id']);

            $statement->bindParam(':title',
$_POST['title']);

            $database_handler->beginTransaction();
            $statement->execute();
            $database_handler->commit();
        }

        if (!empty($_POST['price_round'])) {
            $query = "
            UPDATE videogame
            SET price = :price
            WHERE id = :id
            ";
            $statement = $database_handler-
>prepare($query);

            $price = intval($_POST['price_round']);
            $price_cents =
isset($_POST['price_cents'])? intval($_POST['price_cents']):0;
            $price += ($price_cents * 0.01);
```

```php
                                        $statement->bindParam(':id',
$_GET['id']);
                                        $statement->bindParam(':price', $price);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (!empty($_POST['console'])) {
                                        $query = "
                                          UPDATE videogame
                                          SET console = :console
                                          WHERE id = :id
                                        ";
                                        $statement = $database_handler-
>prepare($query);

                                        $statement->bindParam(':id',
$_GET['id']);

                                        $statement->bindParam(':console',
$_POST['console']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (isset($_POST['amount'])) {
                                        $query = "
                                          UPDATE videogame
                                          SET amount = :amount
                                          WHERE id = :id
                                        ";
                                        $statement = $database_handler-
>prepare($query);

                                        $statement->bindParam(':id',
$_GET['id']);

                                        $statement->bindParam(':amount',
intval($_POST['amount']));

                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }
                            }

                            else {
                                if (!$upload)
                                    $alright = false;
                            }

                            $database_handler = null;
                        }

                    if ($upload) {
                        $fileDestination =
"..\web\images\\".$_GET['id'].'.'.$fileExt;
                        move_uploaded_file($fileTmp, $fileDestination);
                    }

                    if ($alright) {
                        header ('Location:
edit_product.php?id='.$_GET['id']);
                    }
                    else {
```

```php
                          echo 'INSERIRE DATI';
                      }
                  }
                  ?>
                  </div>
              </div>
          </section>
      </div>

      <br>
      <br>
      <br>
      <br>
      <br>

  </section>

  <?php
  include_once '..\templates\footer.php';
  ?>

  </body>
</html>
```

edit_user.php

```php
<?php
include_once "..\config\configurations.php";


if (!isset($_SESSION['user']) || (isset($_SESSION['user']) && $_SESSION['user']
!= 'admin')) {
    header ('Location: ..\utils\logout.php');
}

if (!isset($_GET['login']))
    header ('Location: admin_panel.php');
?>

<html>

    <body>

        <?php
        include_once '..\templates\header.php';
        ?>

        <section class= "main_content">

            <br>
            <br>

            <div class = 'admin_layout' align="center">

                <section class = 'panel' align="center">

                    <?php include_once 'admin_buttons.php'; ?>

                    <br>
                    <br>
```

```php
<?php

try {
    $database_handler = new PDO ($dns);
    $database_handler->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    echo $e->getMessage();
    die();
}

$query = "
SELECT *
FROM user_table
WHERE login = :login AND admin is false
";
$statement = $database_handler->prepare($query);
$statement->bindParam(':login', $_GET['login']);
$database_handler->beginTransaction();
$statement->execute();
$database_handler->commit();
$result = $statement->fetch(PDO::FETCH_ASSOC);
$database_handler = null;
if (!$result) {
    header('Location: admin_panel.php');
}

?>

<div class = 'panel_title' id = 'users_title'>

    MODIFICA UTENTE   <?php echo $result['login']; ?>

</div>

<br>

<script type="text/javascript">
    function show (num) {
        if (document.getElementById('content' + num).hidden
=== true) {
            document.getElementById('content' + num).hidden
= false;
            document.getElementById('show' + num).innerHTML
= '- Hide';
            document.getElementById('x' +
num).src="../web/icons/hidden.png";
        }
        else {
            document.getElementById('content' + num).hidden
= true;
            document.getElementById('show' + num).innerHTML
= '- Show';
            document.getElementById('x' +
num).src="../web/icons/shown.png";
        }
    }
</script>

<div class = 'edit_panel' id="edit_user_panel"
align="center">
```

```php
                              <form action = "<?php echo htmlentities
($_SERVER['PHP_SELF'] . '?login=' . $result['login']); ?>" method = "POST">

                                  <div class="menu_header" id = 'menu1'
onclick="show(1)" style="position: relative">
                                      <b>
                                          USERNAME  (attuale = <?php echo
$result['login'];?>)
                                      </b>

                                      <div style="position: absolute; right:6px; top:
5px; display: inline">
                                          <div id = 'show1' style="display: inline;
font-size: 80%">
                                              - Show
                                          </div>
                                          <img id="x1" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                      </div>
                                  </div>

                                  <div class= 'menu_content' id ='content1' hidden>
                                      <label>
                                          Nuovo Username: <br> <br>
                                          <input id = 'login' maxlength="20"
type="text" name = "login" />
                                          <button type="submit" name="submit">
                                              <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                              Modifica
                                          </button>
                                      </label>
                                  </div>



                                  <div class="menu_header" id = 'menu2'
onclick="show(2)" style="position: relative">
                                      <b>
                                          PASSWORD  (attuale = <?php echo
$result['password'];?>)
                                      </b>

                                      <div style="position: absolute; right:6px; top:
5px; display: inline">
                                          <div id = 'show2' style="display: inline;
font-size: 80%">
                                              - Show
                                          </div>
                                          <img id="x2" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                      </div>
                                  </div>

                                  <div class= 'menu_content' id ='content2' hidden>
                                      <label>
                                          Nuova Password: <br> <br>
                                          <input id = 'password'  maxlength="20"
type="password" name = "password" />
                                          <button type="submit" name="submit">
                                              <img src="../web/icons/edit.png" height=
```

```
'20'  style="vertical-align: middle"/>
                                            Modifica
                                        </button>
                                    </label>
                                </div>




                            <div class="menu_header" id = 'menu3'
onclick="show(3)" style="position: relative">
                                    <b>
                                        NOME  (attuale = <?php echo
$result['name'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show3' style="display: inline;
font-size: 80%">
                                            - Show
                                        </div>
                                        <img id="x3" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                                </div>
                                <div class= 'menu_content' id ='content3' hidden>
                                    <label>
                                        Nuovo Nome: <br> <br>
                                        <input id = 'name' maxlength="20"
type="text" name = "name" />
                                        <button type="submit" name="submit">
                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                            Modifica
                                        </button>
                                    </label>
                                </div>




                            <div class="menu_header" id = 'menu4'
onclick="show(4)" style="position: relative">
                                    <b>
                                        COGNOME  (attuale = <?php echo
$result['surname'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show4' style="display: inline;
font-size: 80%">
                                            - Show
                                        </div>
                                        <img id="x4" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                                </div>

                                <div class= 'menu_content' id ='content4' hidden>
                                    <label>
                                        Nuovo Cognome: <br> <br>
```

```html
                                        <input id = 'surname'  maxlength="20"
type="text" name = "surname" />
                                        <button type="submit" name="submit">
                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                Modifica
                                        </button>
                                    </label>
                                </div>




                                <div class="menu_header" id = 'menu5'
onclick="show(5)" style="position: relative">
                                    <b>
                                        INDIRIZZO  (attuale = <?php echo
$result['adress'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show5' style="display: inline;
font-size: 80%">
                                             - Show
                                        </div>
                                        <img id="x5" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
                                    </div>
                                </div>

                                <div class= 'menu_content' id ='content5' hidden>
                                    <label>
                                        Nuovo Indirizzo: <br> <br>
                                        <input id = 'adress' maxlength="100"
type="text" name = "adress" />
                                        <button type="submit" name="submit">
                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                                Modifica
                                        </button>
                                    </label>
                                </div>



                                <div class="menu_header" id = 'menu6'
onclick="show(6)" style="position: relative">
                                    <b>
                                        TELEFONO   (attuale = <?php echo
$result['phone']==null?'N/D':$result['phone'];?>)
                                    </b>

                                    <div style="position: absolute; right:6px; top:
5px; display: inline">
                                        <div id = 'show6' style="display: inline;
font-size: 80%">
                                             - Show
                                        </div>
                                        <img id="x6" height="20"
src="../web/icons/shown.png" style="vertical-align: middle"/>
```

```html
                                    </div>
                                </div>

                                <div class= 'menu_content' id ='content6' hidden>
                                    <label>
                                        Nuovo Telefono: <br> <br>
                                        <input id = 'phone' maxlength="10"
type="tel" name = "phone" />

                                        <button type="submit" name="submit">
                                            <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                            Modifica
                                        </button>
                                    </label>
                                </div>


                                <br>

                                <div align="right">
                                    <button class="action_button" type="submit"
name="submit">
                                        <img src="../web/icons/edit.png" height=
'20'  style="vertical-align: middle"/>
                                        Modifica Utente
                                    </button>

                                    <button class="action_button" type="submit"
name="delete">
                                        <img src="../web/icons/delete.png" height=
'20'  style="vertical-align: middle"/>
                                        Elimina Utente
                                    </button>
                                </div>

                        </form>

                        <div class="error_messages">

                        <?php

                        if (isset($_POST['delete'])) {
                            try {
                                $database_handler = new PDO ($dns);
                                $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
                            } catch (PDOException $e) {
                                echo $e->getMessage();
                                die();
                            }
                            $query = "
                            DELETE FROM user_table
                            WHERE login = :login
                            ";
                            $statement = $database_handler->prepare($query);
                            $statement->bindParam(':login', $_GET['login']);
                            $database_handler->beginTransaction();
                            $statement->execute();
                            $database_handler->commit();
                            $result = $statement->fetchAll(PDO::FETCH_OBJ);
                            $database_handler = null;
```

```php
                        if ($result) {
                            echo "eliminazione riuscita";
                        }
                        else {
                            echo 'eliminazione non riuscita';
                        }
                        $database_handler = null;
                        header('Refresh:4; url = admin_panel.php');
                    }

                    if (isset ($_POST['submit'])) {

                        if (!empty($_POST['login']) ||
!empty($_POST['password']) || !empty($_POST['adress']) ||
!empty($_POST['phone'])|| !empty($_POST['name'])
                            || !empty($_POST['surname'])) {

                            try {
                                $database_handler = new PDO ($dns);
                                $database_handler-
>setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
                            } catch (PDOException $e) {
                                echo $e->getMessage();
                                die();
                            }

                            $success = true;

                            if (!empty($_POST['login'])) {
                                try {
                                    $query = "
                                    UPDATE user_table
                                    SET login = :newlogin
                                    WHERE login = :login
                                    ";
                                    $statement = $database_handler-
>prepare($query);
                                    $statement->bindParam(':login',
$_GET['login']);
                                    $statement->bindParam(':newlogin',
$_POST['login']);
                                    $database_handler->beginTransaction();
                                    $statement->execute();
                                    $database_handler->commit();
                                    $_GET['login']=$_POST['login'];
                                } catch (PDOException $error) {
                                    $success = false;
                                    echo 'Login non disponibile';
                                }
                            }

                            if (!empty($_POST['password'])) {
                                $query = "
                                UPDATE user_table
                                SET password = :password
                                WHERE login = :login
                                ";
                                $statement = $database_handler-
>prepare($query);
                                $statement->bindParam(':login',
$_GET['login']);
                                $statement->bindParam(':password',
```

```php
$_POST['password']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (!empty($_POST['name'])) {
                                        $query = "
                                        UPDATE user_table
                                        SET name = :name
                                        WHERE login = :login
                                        ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':name',
$_POST['name']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (!empty($_POST['surname'])) {
                                        $query = "
                                        UPDATE user_table
                                        SET surname = :surname
                                        WHERE login = :login
                                        ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':surname',
$_POST['surname']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (!empty($_POST['adress'])) {
                                        $query = "
                                        UPDATE user_table
                                        SET adress = :adress
                                        WHERE login = :login
                                        ";
                                        $statement = $database_handler-
>prepare($query);
                                        $statement->bindParam(':login',
$_GET['login']);
                                        $statement->bindParam(':adress',
$_POST['adress']);
                                        $database_handler->beginTransaction();
                                        $statement->execute();
                                        $database_handler->commit();
                                }

                                if (!empty($_POST['phone'])) {
                                        $query = "
                                        UPDATE user_table
                                        SET phone = :phone
                                        WHERE login = :login
```

```php
                                                   ";
                                    $statement = $database_handler-
>prepare($query);
                                    $statement->bindParam(':login',
$_GET['login']);
                                    $statement->bindParam(':phone',
$_POST['phone']);
                                    $database_handler->beginTransaction();
                                    $statement->execute();
                                    $database_handler->commit();
                       }

                                    $database_handler = null;

                                    if ($success) {
                                        header ('Location:
edit_user.php?login='.$_GET['login']);
                                    }
                       }

                           else {
                               echo 'Inserire almeno un nuovo dato';
                           }
                       }

                       ?>
                       </div>

                   </div>

               </section>

           </div>

       </section>

       <?php
       include_once '..\templates\footer.php';
       ?>

    </body>
</html>
```

style.css

```css
/*
 Main Header
 */

header.main_header {
    z-index: 99;
    height: 45px;
    font-family: "Trebuchet MS", serif;
    background-color: darkred;
    position: fixed;
    top: 0;
    width: 100%;
    display: flex;
}

div.text {
    display: block;
    text-align: right;
    margin: auto;
    width: calc(60% + 100px);
    color: white;
}

a.util_link {
    position: relative;
    padding-left: 10px;
```

```css
    color: white;
    text-decoration: none;
    min-width: 500px;
    border-left: solid white 2px;
}

a#inactive_cart {
    position: relative;
    padding-left: 10px;
    color: white;
    text-decoration: none;
    min-width: 500px;
    border-left: solid white 2px;
}


a#inactive_cart img {
    -webkit-filter: invert(100%);
}

a.util_link:hover {
    color: darkgray;
    border-left: solid grey 2px;
}

a.util_link:active {
    color: black;
    border-left: solid black 2px;
}

a.util_link img {
    -webkit-filter: invert(100%);
}

a.util_link:hover img {
    -webkit-filter: invert(50%);
}

a.util_link:active img {
    -webkit-filter: invert(0%);
}

img#cart_balloon {
    position: absolute;
    right: -7px;
    top: -7px;
    -webkit-filter: invert(0%);
    height: 20px;
}

div#cart_items {
    max-width: 15px;
    position: absolute;
    top: -6px;
    border-radius: 18px;
    padding-left: 5px;
    padding-right: 5px;
    background-color: indianred;
    font-size: 12px;
    right: -6px;
}
```

```css
/*
 Second Header
 */

.second_header {
    padding: 5px 0 5px 0;
    margin: 45px auto 0 auto;
    width: calc(60% + 100px);
    background-color: white;
}

a.console_link {
    text-decoration: none;
    font-family: 'Trebuchet MS', serif;
}

table.console_table {
    border-left: 2px solid;
    display: inline-table;
}

table.console_table:hover{
    background-color: black;
    color: white;
}

table.console_table:hover img {
    -webkit-filter: invert(100%);
}

/*
    GENERAL
 */

body {
    margin: 0;
    background: url("../images/backgrounds/Crash.jpg") no-repeat center center
fixed;
    background-size: cover;
}

div.container {
    margin-top: 100px;
    margin-left: 30%;
    font-family: "Trebuchet MS", serif;
    font-size: 20px;
}

input {
    width: 60%;
    min-width: 200px;
}

span.info {
    float: right;
    margin-right: 40%;
    font-family: sans-serif;
    font-weight: bold;
    font-size: 12px;
}

span.info >  a {
```

```css
    color: darkred;
}

div.error_messages {
    text-align: left;
    padding-top: 20px;
    font-weight: bold;
    color: darkred;
    font-family: sans-serif;
    font-size: 12px;
}

section.main_content {
    margin: 0 auto;
    min-height: 100%;
    width: calc(60% + 100px);
    background-color: white;
    overflow: auto;
}

button#top_button {
    display: none;
    position: fixed;
    font-family: "Trebuchet MS", serif;
    bottom: 20px;
    right: 30px;
    z-index: 99;
    border: none;
    background-color: darkred;
    color: white;
    padding: 15px;
    border-radius: 20px;
}


ul.fieldset {
    list-style: none;
    text-align: left;
}

ul.fieldset li {
    margin-left: calc( 52% - 100px );
}

input[type='radio'] {
    min-width: 20px;
    width: 50px;
    margin-left: auto;
}

input[type='number'] {
    width: 40px;
    min-width: 40px;
}

/*

    VIDEOGAMES
 */

button.cart_add_button {
    padding: 10px;
    background-color: white;
```

```css
    color: red;
    border: 3px red solid;
    box-shadow: 0 0 0 1px inset white;
}

button.cart_add_button:hover {
    background-color: red;
    color: white;
    box-shadow: 0 0 0 1px inset grey;
}

table.games_table {
    border: dashed 1px;
    font-family: "Trebuchet MS", serif;
    width: 80%;
}

table.games_table td {
    padding-top: 20px;
    padding-bottom: 20px;
}

table.games_table caption {
    padding-top: 20px;
    padding-bottom: 20px;
    font-size: 120%;
    color: white;
}

caption#ps_caption {
    background-color: #003791;
}

caption#xbox_caption {
    background-color: #52b043;
}

caption#nintendo_caption {
    background-color: #e60012;
}

caption#pc_caption {
    background-color: #000000;
}


/*
    ADMIN PANEL
 */

div.admin_layout {
    padding-top: 90px;
}

section.panel {
    width: calc(60% + 100px);
}

div.panel_title {
    font-family: "Trebuchet MS", serif;
    color: white;
    font-weight: bold;
```

```css
    font-size: 150%;
    padding-top: 20px;
    padding-bottom: 20px;
}

div.panel_title#users_title {
    background-color: darkred;
}

div.panel_title#orders_title {
    background-color: #0283a0;
}

div.panel_title#admins_title {
    background-color: forestgreen;
}

div.panel_title#products_title {
    background-color: rebeccapurple;
}

table.box {
    border-collapse: collapse;
}

table.box td {
    text-align: center;
}

table.box th {
    color: white;
}

table.box#users_table th {
    background-color: darkred;
}

table.box#orders_table th {
    background-color: #0283a0;
}

table.box#admins_table th {
    background-color: forestgreen;
}

table.box#products_table th {
    background-color: rebeccapurple;
}

table.box#users_table tr:nth-child(even) {
    background-color: indianred;
}

table.box#orders_table tr:nth-child(even) {
    background-color: cadetblue;
}

table.box#admins_table tr:nth-child(even) {
    background-color: limegreen;
}

table.box#products_table tr:nth-child(even) {
```

```css
    background-color: mediumpurple;
}

button.action_button {
    border: none;
    background: none;
}

button.panel_button {
    font-family: "Trebuchet MS", serif;
    font-size: 80%;
    padding: 10px;
    border: none;
    color: white;
}

button.panel_button img {
    height: 25px;
    -webkit-filter: invert(100%);
}

button.panel_button:disabled {
    color: black;
    font-weight: bold;
    font-size: 90%;
    box-shadow: inset -5px -3px rgba(0, 0, 0, 0.1);
}

button.panel_button:disabled img {
    height: 30px;
    -webkit-filter: invert(0%);
}

button#users_button {
    background-color: indianred;
}

button#users_button:disabled {
    background-color: firebrick;
}

button#admins_button {
    background-color: limegreen;
}

button#admins_button:disabled {
    background-color: forestgreen;
}

button#orders_button {
    background-color: cadetblue;
}

button#orders_button:disabled {
    background-color: #0283a0;
}

button#products_button {
    background-color: mediumpurple;
}

button#products_button:disabled {
```

```css
    background-color: rebeccapurple;
}

div.edit_panel div.menu_header {
    font-family: "Trebuchet MS", serif;
    border-bottom: dashed 1px;
    color: white;
    padding-top: 10px;
    padding-bottom: 10px;
}

div.edit_panel#edit_user_panel div.menu_header {
    background-color: darkred;
}

div.edit_panel#edit_product_panel div.menu_header {
    background-color: rebeccapurple;
}

div.edit_panel#edit_admin_panel div.menu_header {
    background-color: forestgreen;
}

div.edit_panel div.menu_content {
    padding-top: 30px;
    padding-bottom: 30px;
}

div.edit_panel#edit_user_panel div.menu_content {
    background-color: indianred;
}

div.edit_panel#edit_product_panel div.menu_content {
    background-color: mediumpurple;
}

/*
    FOOTER
 */

footer {
    font-family: "Trebuchet MS", serif;
    padding: 15px 0 15px 0;
    background-color: black;
    color: white;
    margin-bottom: 0;
    margin-top: 0;
    width: 100%;
}
```