

Concert Reservation Website

XAMPP version: 5.6.3

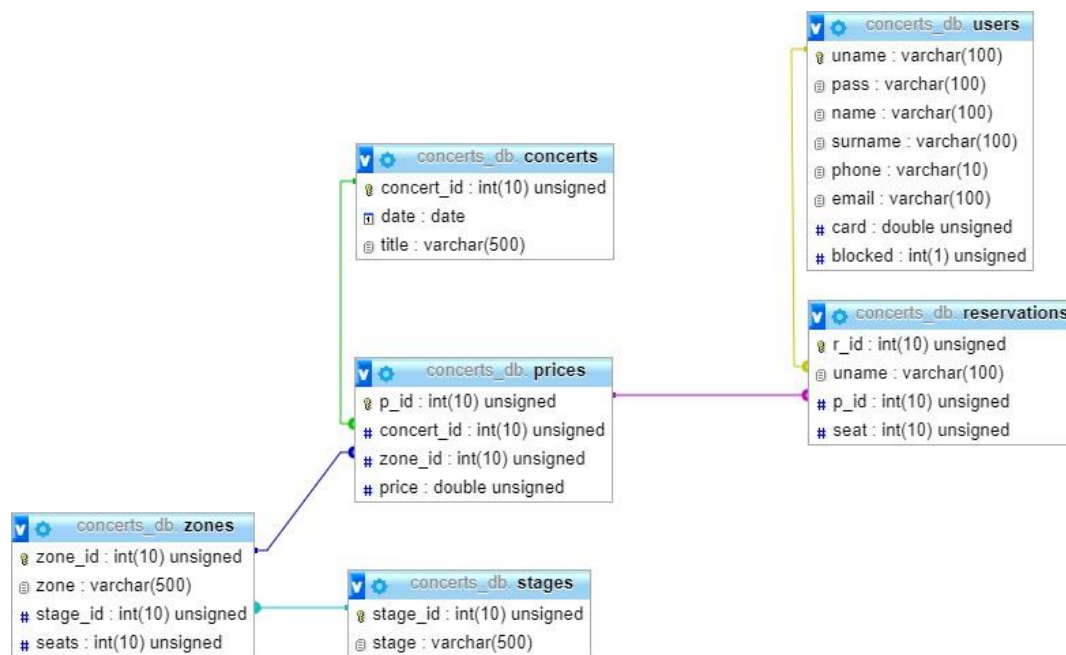
PHP version: 5.6.3

Problem description

Creating of a simplified concert reservation system using a prepaid card.

Solution

Database structure:



The assumptions that have been made are:

- If a user enters their password incorrectly at least 3 times in a row, their account is locked

- After someone makes a successful registration or connection then they are transferred directly to the page where the reservations they have made are presented
- From there on all the pages that are browsed there is a menu to go to one of the following functions:
 - Balance view and renewal (My Card)
 - View reservations and cancel one or more (MyReservations)
 - New Reservation
 - Logout
- The user registers by giving the following personal contact details:
 - Name
 - Surname
 - Phone
 - Email
 - Username
 - Password
 - Password confirmation
- The user states the concert he wants to attend, the band (molding, etc.) and the exact positions he wants to keep. If the money for the reservation does not exceed the money he has in his card, he can complete the process, otherwise he can either cancel the reservation or put money in the card.

Functionality

User registration:

The screenshot shows a web browser window with the address bar displaying 'localhost/xampp/aria/concerts_site/register.php'. The browser's address bar also shows 'Εφαρμογές', 'Bookmarks', and 'Καλωσορίσατε στο: Τμήμα Μηχανικών / ΤΕΙATH Open eClass / TEI of Athens Webm / UNIVERSITY STUDENT'. The registration form is a vertical stack of input fields with labels: 'Username' (filled with 'mariad'), 'Name', 'Surname', 'Phone', 'Email', 'Password' (filled with '****'), and 'Confirm password' (filled with '****'). A green 'Register' button is at the bottom of the form. Below the button, the text 'Already a member? Sign in' is visible.

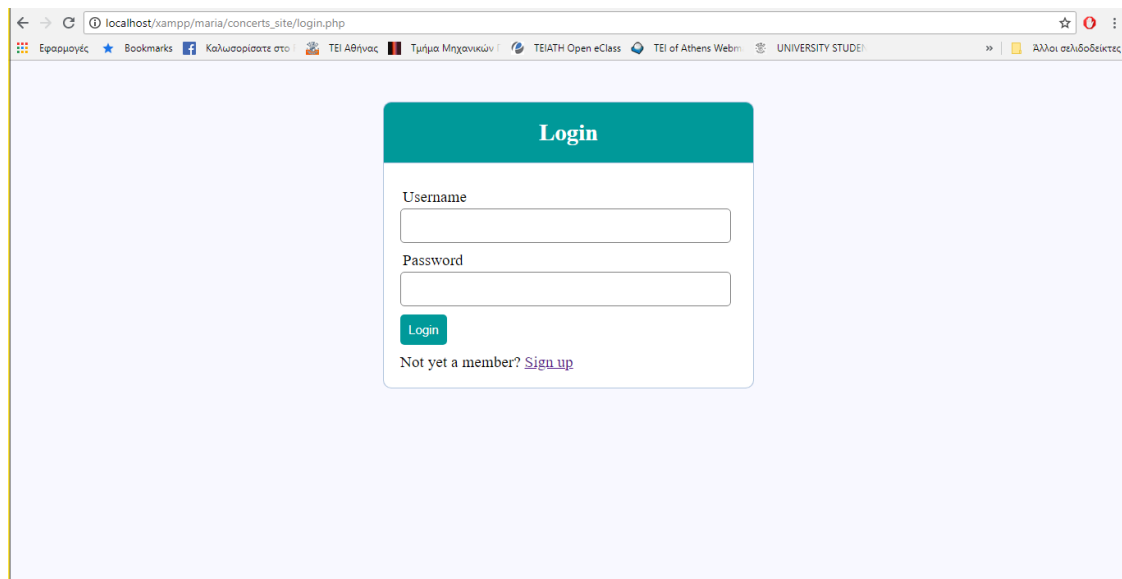
If the user does not enter the rest of the data then a similar message comes out:

The screenshot shows a web browser window with the address bar displaying `localhost/xampp/maria/concerts_site/register.php`. The browser's address bar and tabs are visible at the top. The main content area features a registration form titled "Register" in a teal header. Below the header, a red-bordered box contains the following error messages: "Name is required", "Surname is required", "Phone is required", and "Email is required". The form fields are labeled "Username", "Name", "Surname", "Phone", and "Email". The "Username" field contains the text "mariad". The other fields are empty.

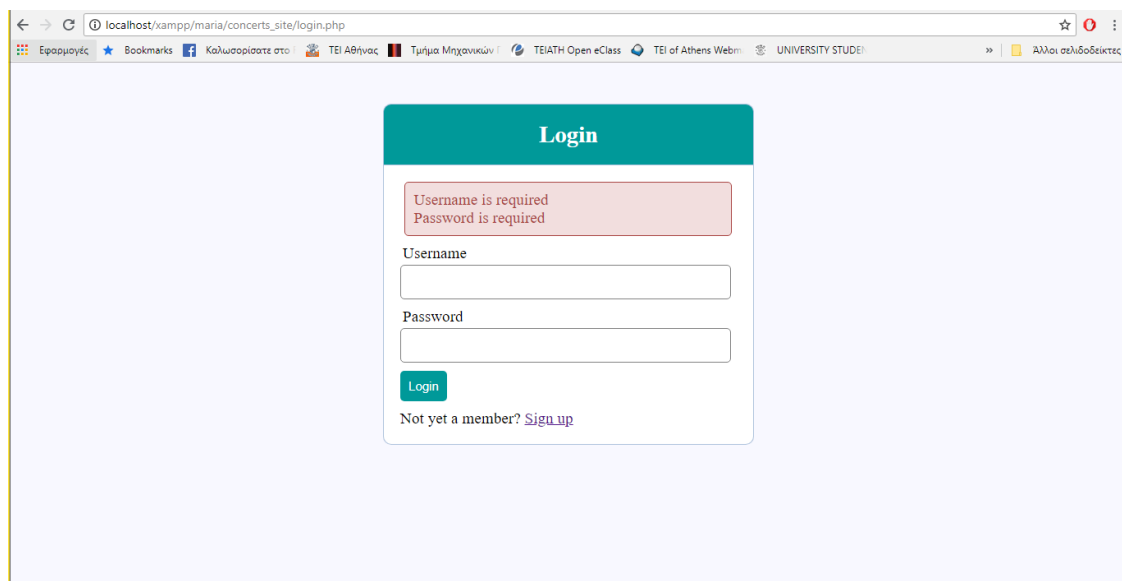
After successful registration, the user is redirected to the following page:

The screenshot shows a web browser window with the address bar displaying `localhost/xampp/maria/concerts_site/index.php`. The browser's address bar and tabs are visible at the top. The main content area features a "My Account" page with a teal header. Below the header, a dark teal navigation bar contains the links "My Card", "My Reservations", "New Reservation", and "Logout". A green-bordered box displays the message "Welcome mariad!!! You are now logged in." Below this, the section "My Reservations" is shown, with the text "Reservations not found." centered below it.

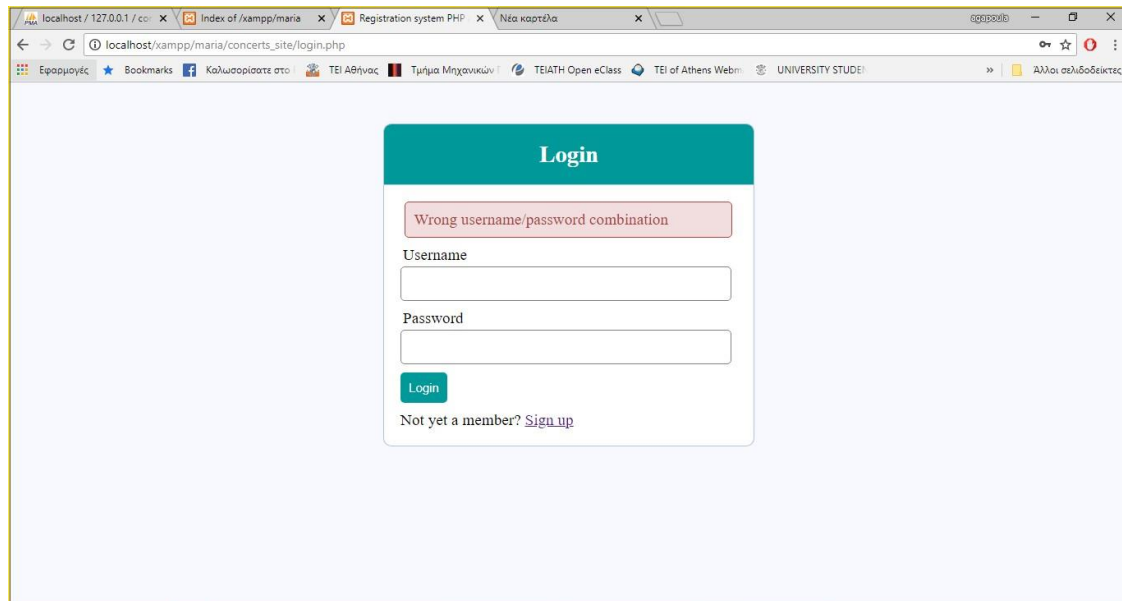
User login:



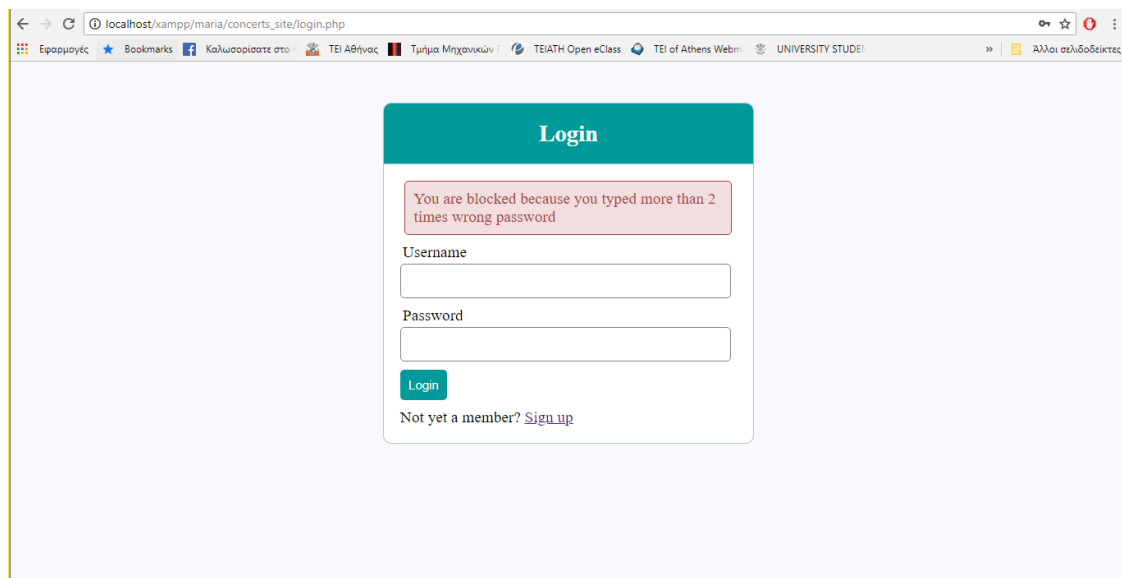
If the user does not enter both details (username, password) and presses to log in then a corresponding message is displayed:



If the user enters incorrect information the result is as follows:



If the user enters incorrect information more than twice, the account is locked and the message is as follows:



Once logged in, the user is redirected to their booking tab:

The screenshot shows a web browser at the URL `localhost/xampp/maria/concerts_site/index.php`. The page has a teal header with the title "My Account". Below the header is a navigation bar with links: "My Card", "My Reservations", "New Reservation", and "Logout". A green message box says "Welcome maridros!!! You are now logged in." Below this is a section titled "My Reservations" containing a table of reservations.

Reservation Code	Concert	Concert Date	Stage	Zone	Seat	Price
<input type="checkbox"/> 8	Alkistis Protopsalti	2018-07-22	Theatre Alice Vougiouklaki	Zone B	16	10 €
<input type="checkbox"/> 9	Alkistis Protopsalti	2018-07-22	Theatre Alice Vougiouklaki	Zone B	17	10 €
<input type="checkbox"/> 6	John Kotsiras	2018-08-05	Kalimarmaro	Arena Back	13	15 €
<input type="checkbox"/> 17	Nana Mouschouri	2018-07-15	Irodio	Zone A	3	48 €
<input type="checkbox"/> 18	Nana Mouschouri	2018-07-15	Irodio	Zone A	8	48 €
<input type="checkbox"/> 19	Nana Mouschouri	2018-07-15	Irodio	Zone A	10	48 €

At the bottom of the table is a "Cancellation" button.

If the user enters the My Card tab, he/she sees the following:

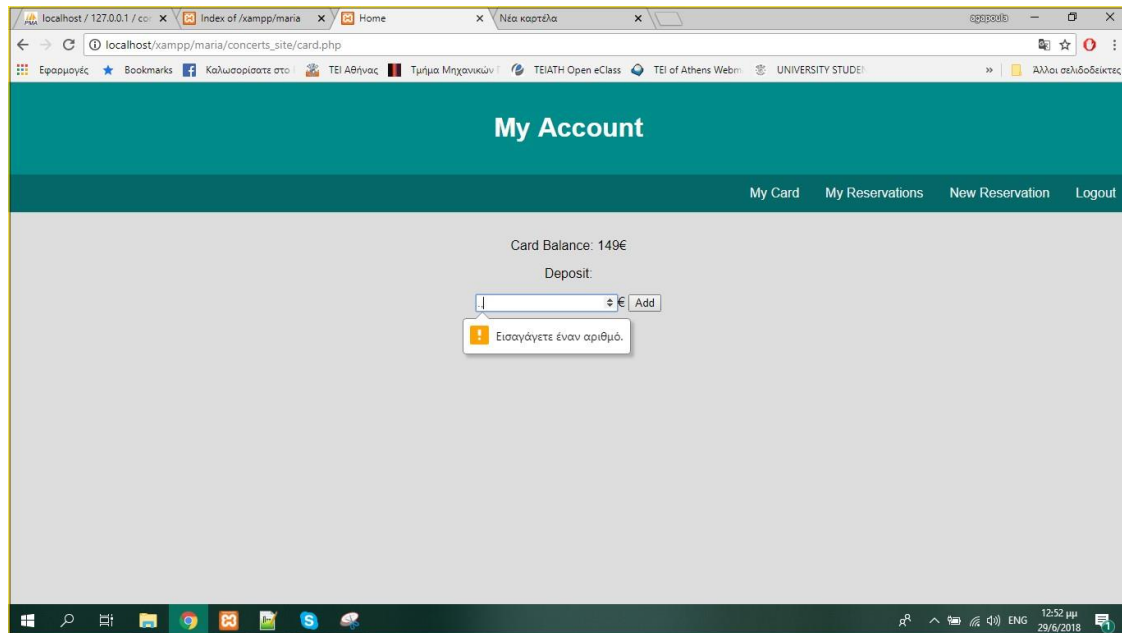
The screenshot shows the same "My Account" page but with the "My Card" tab selected. The page displays the current card balance and a deposit input field.

Card Balance: 149€

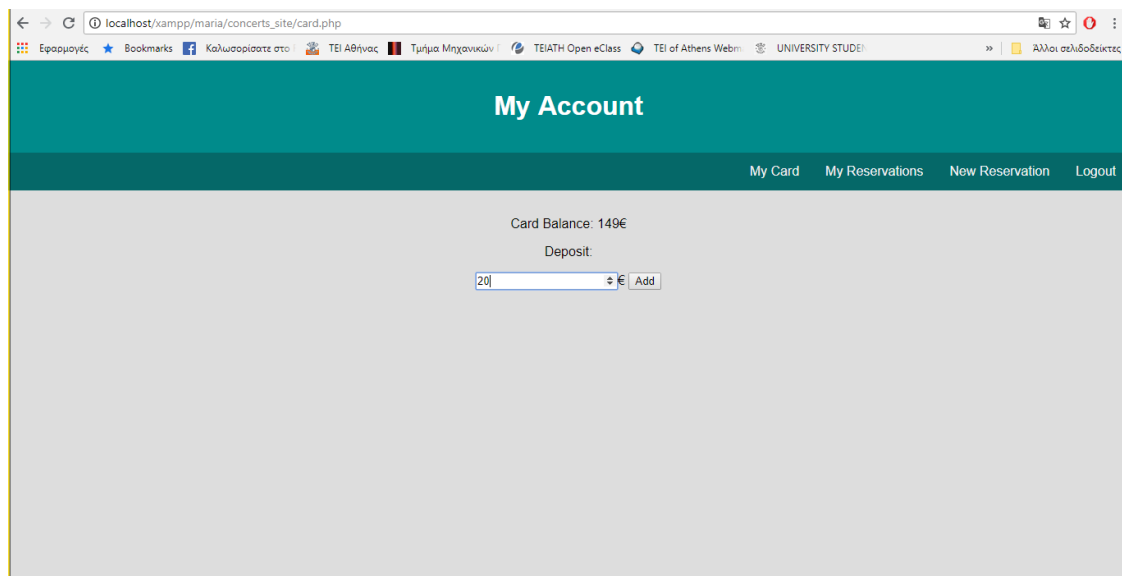
Deposit:

0 €

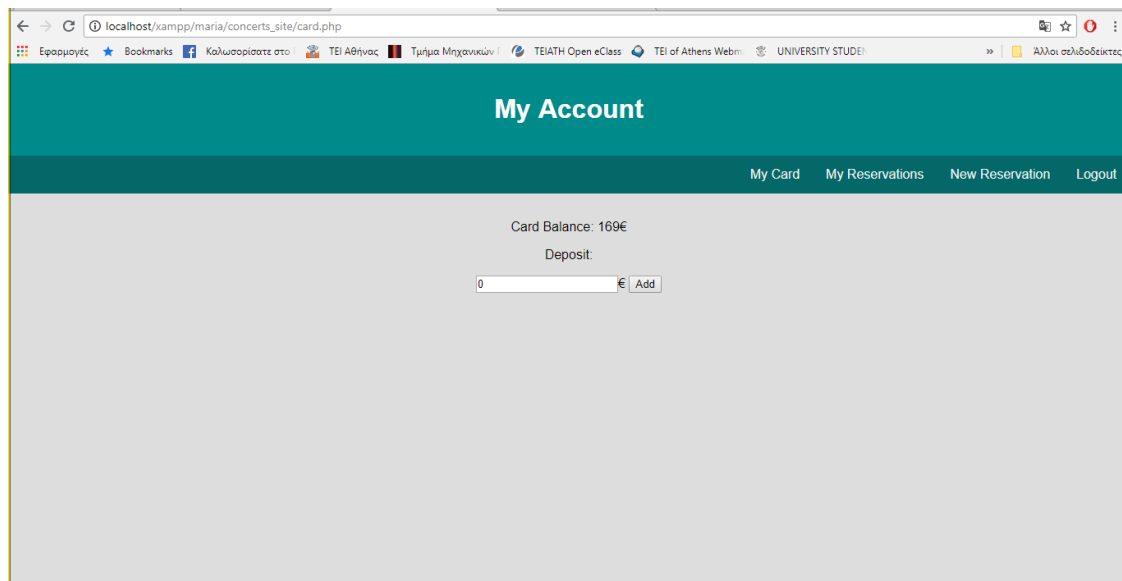
If he/she puts an input that is not a number:



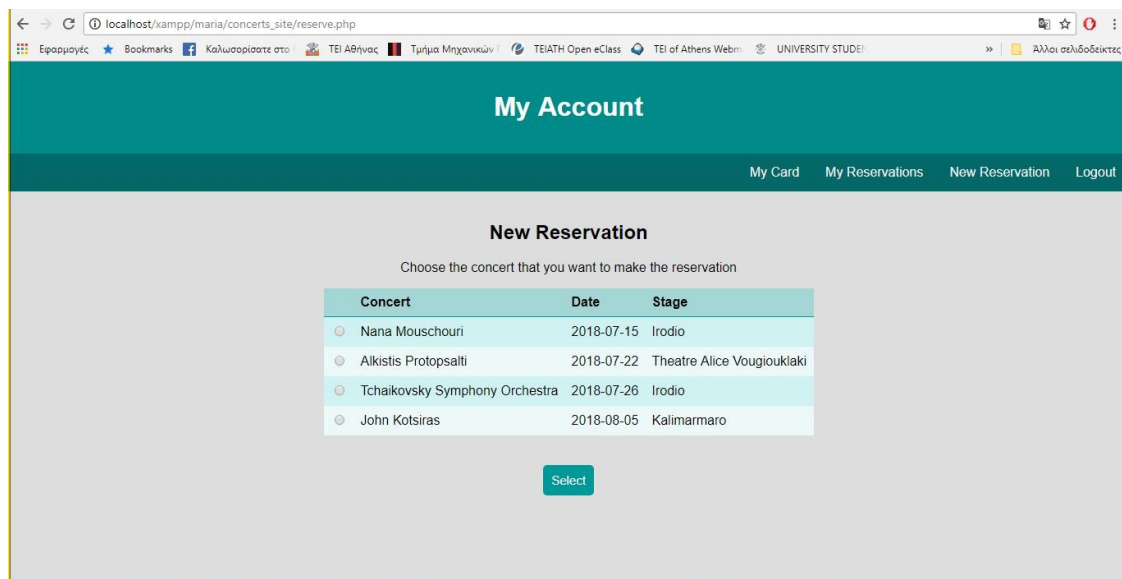
If he/she puts valid amount:



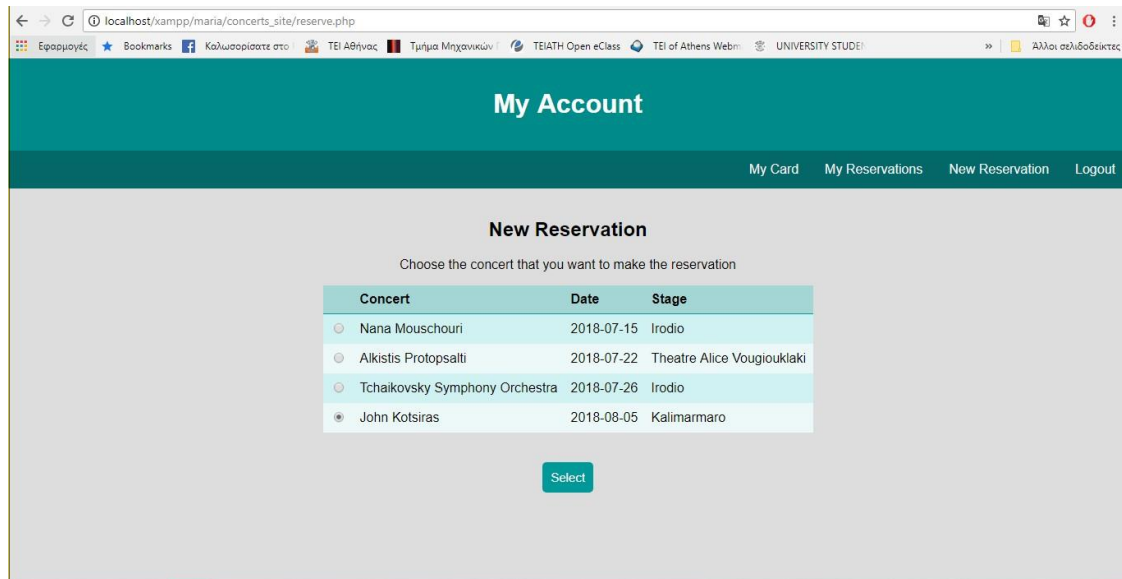
As soon as he presses "Add" he/she sees the amount renewed:



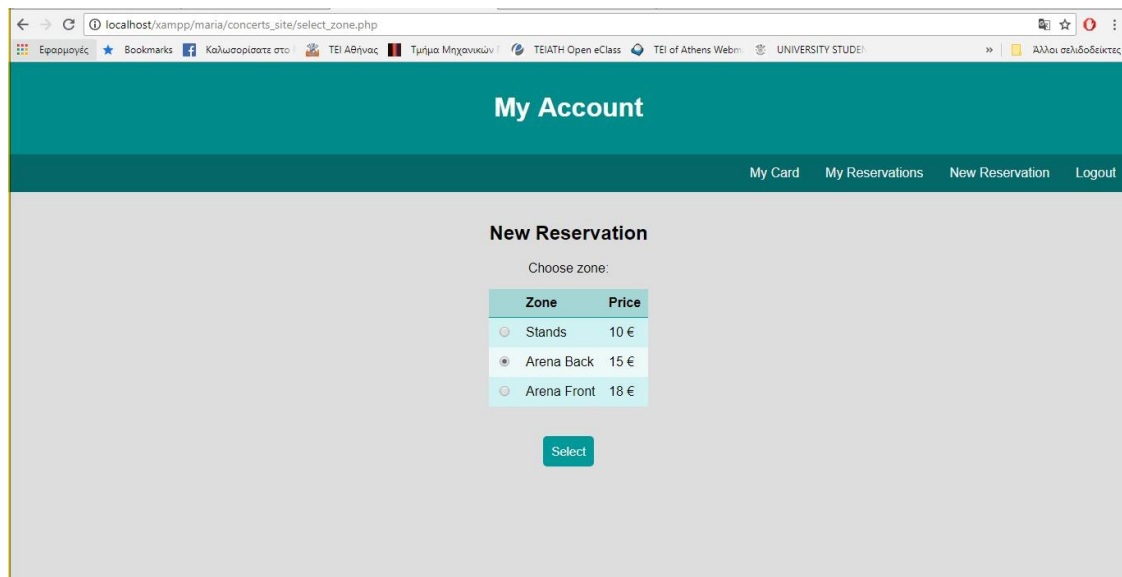
If he/she presses to make a new reservation he/she sees:



If he/she chooses a concert:



The user can choose a zone:



After the user selects a zone he/she can select specific seats to be held (in red and without option are the seats already reserved by users):

My Account

[My Card](#)
[My Reservations](#)
[New Reservation](#)
[Logout](#)

New Reservation

Choose one or more seats that you want to reserve:

<input type="checkbox"/> Seat 1	<input type="checkbox"/> Seat 2	<input type="checkbox"/> Seat 3	<input type="checkbox"/> Seat 4	<input type="checkbox"/> Seat 5	<input type="checkbox"/> Seat 6	<input type="checkbox"/> Seat 7	<input type="checkbox"/> Seat 8	<input type="checkbox"/> Seat 9	<input type="checkbox"/> Seat 10
<input type="checkbox"/> Seat 11	<input type="checkbox"/> Seat 12	<input checked="" type="checkbox"/> Seat 13	<input type="checkbox"/> Seat 14	<input type="checkbox"/> Seat 15	<input type="checkbox"/> Seat 16	<input type="checkbox"/> Seat 17	<input type="checkbox"/> Seat 18	<input type="checkbox"/> Seat 19	<input type="checkbox"/> Seat 20
<input type="checkbox"/> Seat 21	<input type="checkbox"/> Seat 22	<input type="checkbox"/> Seat 23	<input type="checkbox"/> Seat 24	<input type="checkbox"/> Seat 25	<input type="checkbox"/> Seat 26	<input type="checkbox"/> Seat 27	<input type="checkbox"/> Seat 28	<input type="checkbox"/> Seat 29	<input type="checkbox"/> Seat 30
<input type="checkbox"/> Seat 31	<input type="checkbox"/> Seat 32	<input type="checkbox"/> Seat 33	<input type="checkbox"/> Seat 34	<input type="checkbox"/> Seat 35	<input type="checkbox"/> Seat 36	<input type="checkbox"/> Seat 37	<input type="checkbox"/> Seat 38	<input type="checkbox"/> Seat 39	<input type="checkbox"/> Seat 40
<input type="checkbox"/> Seat 41	<input type="checkbox"/> Seat 42	<input type="checkbox"/> Seat 43	<input type="checkbox"/> Seat 44	<input type="checkbox"/> Seat 45	<input type="checkbox"/> Seat 46	<input type="checkbox"/> Seat 47	<input type="checkbox"/> Seat 48	<input type="checkbox"/> Seat 49	<input type="checkbox"/> Seat 50
<input type="checkbox"/> Seat 51	<input type="checkbox"/> Seat 52	<input type="checkbox"/> Seat 53	<input type="checkbox"/> Seat 54	<input type="checkbox"/> Seat 55	<input type="checkbox"/> Seat 56	<input type="checkbox"/> Seat 57	<input type="checkbox"/> Seat 58	<input type="checkbox"/> Seat 59	<input type="checkbox"/> Seat 60

Continue

He/she chooses the seats he/she wants:

My Account

[My Card](#)
[My Reservations](#)
[New Reservation](#)
[Logout](#)

New Reservation

Choose one or more seats that you want to reserve:

<input checked="" type="checkbox"/> Seat 1	<input checked="" type="checkbox"/> Seat 2	<input checked="" type="checkbox"/> Seat 3	<input type="checkbox"/> Seat 4	<input type="checkbox"/> Seat 5	<input type="checkbox"/> Seat 6	<input type="checkbox"/> Seat 7	<input type="checkbox"/> Seat 8	<input type="checkbox"/> Seat 9	<input type="checkbox"/> Seat 10
<input type="checkbox"/> Seat 11	<input type="checkbox"/> Seat 12	<input checked="" type="checkbox"/> Seat 13	<input type="checkbox"/> Seat 14	<input type="checkbox"/> Seat 15	<input type="checkbox"/> Seat 16	<input type="checkbox"/> Seat 17	<input type="checkbox"/> Seat 18	<input type="checkbox"/> Seat 19	<input type="checkbox"/> Seat 20
<input type="checkbox"/> Seat 21	<input type="checkbox"/> Seat 22	<input type="checkbox"/> Seat 23	<input type="checkbox"/> Seat 24	<input type="checkbox"/> Seat 25	<input type="checkbox"/> Seat 26	<input type="checkbox"/> Seat 27	<input type="checkbox"/> Seat 28	<input type="checkbox"/> Seat 29	<input type="checkbox"/> Seat 30
<input type="checkbox"/> Seat 31	<input type="checkbox"/> Seat 32	<input type="checkbox"/> Seat 33	<input type="checkbox"/> Seat 34	<input type="checkbox"/> Seat 35	<input type="checkbox"/> Seat 36	<input type="checkbox"/> Seat 37	<input type="checkbox"/> Seat 38	<input type="checkbox"/> Seat 39	<input type="checkbox"/> Seat 40
<input type="checkbox"/> Seat 41	<input type="checkbox"/> Seat 42	<input type="checkbox"/> Seat 43	<input type="checkbox"/> Seat 44	<input type="checkbox"/> Seat 45	<input type="checkbox"/> Seat 46	<input type="checkbox"/> Seat 47	<input type="checkbox"/> Seat 48	<input type="checkbox"/> Seat 49	<input type="checkbox"/> Seat 50
<input type="checkbox"/> Seat 51	<input type="checkbox"/> Seat 52	<input type="checkbox"/> Seat 53	<input type="checkbox"/> Seat 54	<input type="checkbox"/> Seat 55	<input type="checkbox"/> Seat 56	<input type="checkbox"/> Seat 57	<input type="checkbox"/> Seat 58	<input type="checkbox"/> Seat 59	<input type="checkbox"/> Seat 60

Continue

Finally the user is transferred to the booking confirmation page:

My Account

[My Card](#)
[My Reservations](#)
[New Reservation](#)
[Logout](#)

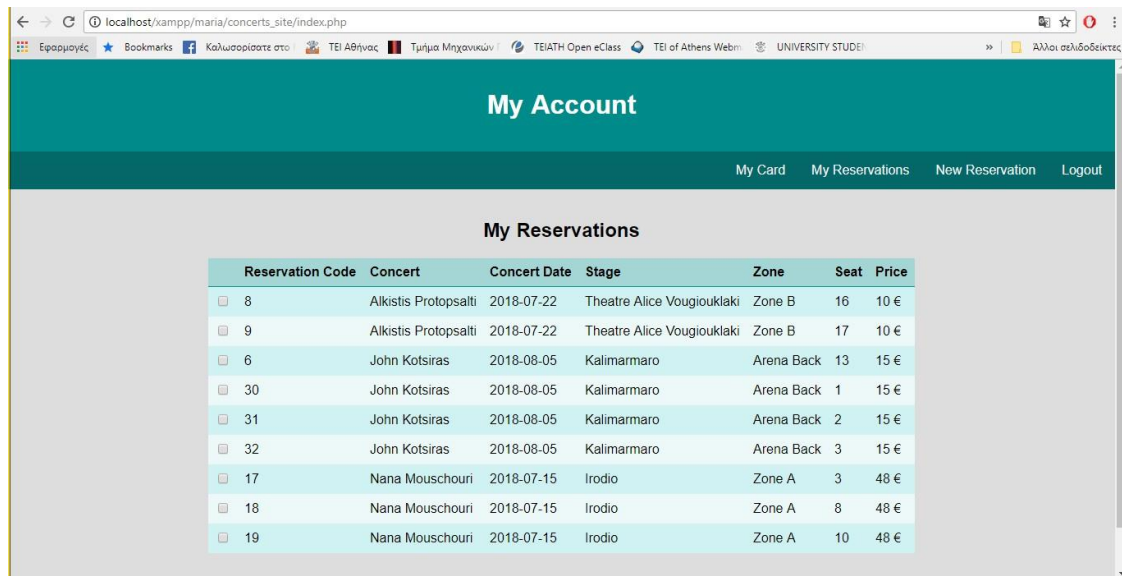
New Reservation

Do you want complete the following reservation?

Concert	Stage	Zone	Price	Number of tickets	Selected seats
John Kotsiras	Kalimarmaro	Arena Back	15 €	3	1 2 3

Confirm

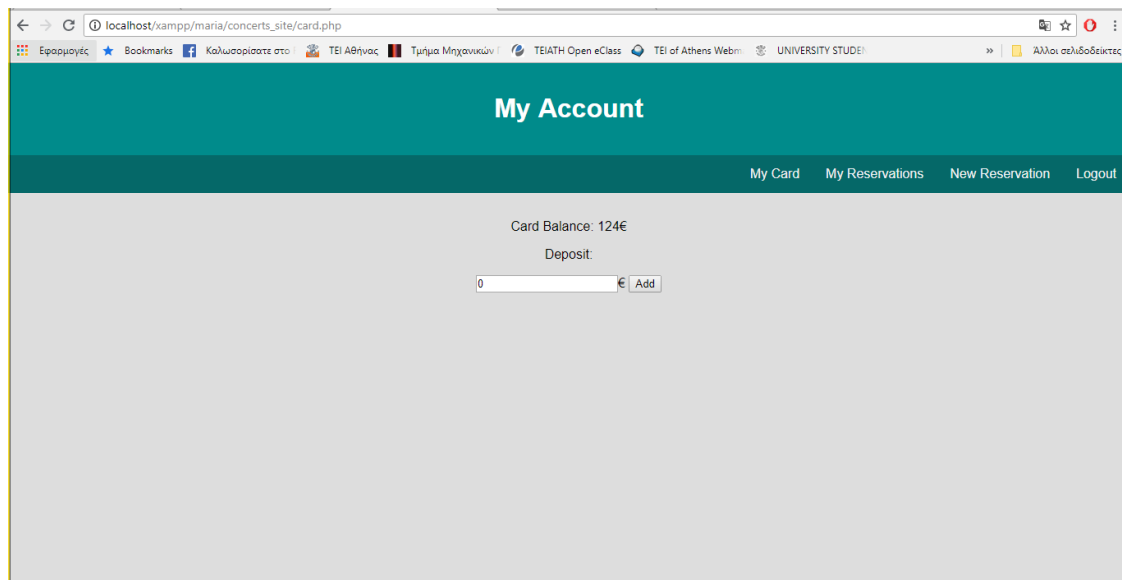
If the user presses "Confirm" he is transferred again to his/her reservations where the new ones have now been added:



The screenshot shows a web browser window with the URL `localhost/xampp/maria/concerts_site/index.php`. The page has a teal header with the text "My Account". Below the header is a navigation bar with links: "My Card", "My Reservations", "New Reservation", and "Logout". The main content area is titled "My Reservations" and contains a table with the following data:

Reservation Code	Concert	Concert Date	Stage	Zone	Seat	Price
<input type="checkbox"/> 8	Alkistis Protopsalti	2018-07-22	Theatre Alice Vougiouklaki	Zone B	16	10 €
<input type="checkbox"/> 9	Alkistis Protopsalti	2018-07-22	Theatre Alice Vougiouklaki	Zone B	17	10 €
<input type="checkbox"/> 6	John Kotsiras	2018-08-05	Kalimarmaro	Arena Back	13	15 €
<input type="checkbox"/> 30	John Kotsiras	2018-08-05	Kalimarmaro	Arena Back	1	15 €
<input type="checkbox"/> 31	John Kotsiras	2018-08-05	Kalimarmaro	Arena Back	2	15 €
<input type="checkbox"/> 32	John Kotsiras	2018-08-05	Kalimarmaro	Arena Back	3	15 €
<input type="checkbox"/> 17	Nana Mouschouri	2018-07-15	Irodio	Zone A	3	48 €
<input type="checkbox"/> 18	Nana Mouschouri	2018-07-15	Irodio	Zone A	8	48 €
<input type="checkbox"/> 19	Nana Mouschouri	2018-07-15	Irodio	Zone A	10	48 €

If the user goes to see his balance will have been reduced accordingly:



The screenshot shows the same web browser window, but the user has navigated to the "My Card" section. The page still has the "My Account" header and navigation bar. The main content area displays the "Card Balance: 124€". Below this, there is a "Deposit:" label and a form with a text input field containing "0", a "€" symbol, and an "Add" button.

Code

The main code is located in the following files:

card.php → card management

errors.php → error messages management

index.php → reservations management

login.php → user login

register.php → user registration

reservation_confirm.php → new reservation confirmation

reservation_cancel.php → cancel one or more completed reservations

reserve.php → new reservation – choose concert

select_seats.php → new reservation – choose seat

select_zone.php → new reservation – choose zone

There are additional css files.

Triggers are used to update the user's balance when making a reservation or when canceling a reservation.