Akademija tehničko-umetničkih strukovnih studija Beograd Odsek Visoka ICT škola

Dokumentacija za sajt

http://berix-agency.epizy.com/

Predmet: Praktikum PHP

Student: Aleksa Berisavac 32/18

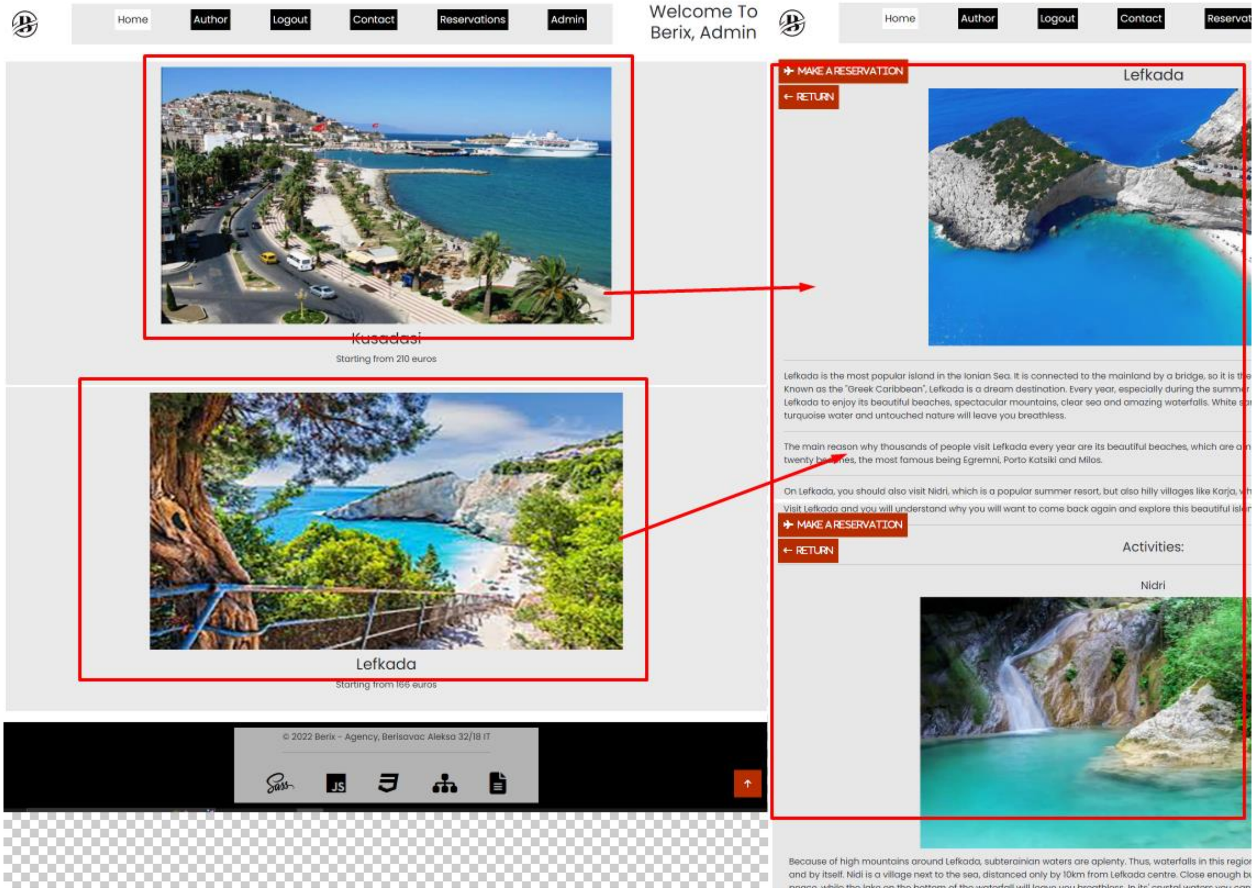
Sadrzaj

1. Sadrzaj

Sajt simulira jednu turisticku agenciju. Sto se tice korisnicke strane, mogu se videti destinacije, moze se uci u njih i videti njihovi detalji. Odavde, kao i sa stranice gde se prikazuju rezervacije koje dati korisnik vec ima, moze se otici na stranu za rezervaciju. Moze se obaviti rezervacija. Sve provere se rade na backu kako se podaci koji se koriste za ispis ovih polja dobijaju iz backa. Nisu odradjene provere koje proveravaju da li taj korisnik vec ima rezervaciju ciji se vremenski interval preklapa sa trenutnim. Postojanje podataka i njihova ispravnost se proverava. Na stranici za prikaz rezervacija korisnika korisnik moze uklanjati svoje rezervacije. Sto se tice administratora, on na admin panelu ima mogucnost potpunog upravljanja sadrzajem bitnih tabela baze podataka. Odradjen je select, delete, insert. Update nije odradjen posto ima previse tabela i moze doci do problema sa referencama, ali moguce je obrisati red (ukoliko se ne krsi referencijalni integritet, u kom slucaju potrebno je rucno brisati sve redove iz drugih tabela koji se referenciraju) i ubaciti novi red. Moguce je pretrazivati tabelu po apsolutno bilo kojoj koloni. Zahtev za pretragu se salje bazi, jer je ona optimizovanija za to. Takodje se ovde mogu videti statisticki podaci posecivanja stranice, i koliko je korisnika ulogovano u zadnjih 24h. Dosta ispisa se radi preko ajaxa slanjem zahteva na back, posto je za mnoge ispise potrebno dohvatati podatke iz odredjenih tabela.

2. Slike stranica i opis

2.1 Home stranica



Lefkada is the most popular island in the Ionian Sea. It is connected to the mainland by a bridge, so it is th
Known as the "Greek Caribbean", Lefkada is a dream destination. Every year, especially during the summe
Lefkada to enjoy its beautiful beaches, spectacular mountains, clear sea and amazing waterfalls. White s
turquoise water and untouched nature will leave you breathless.

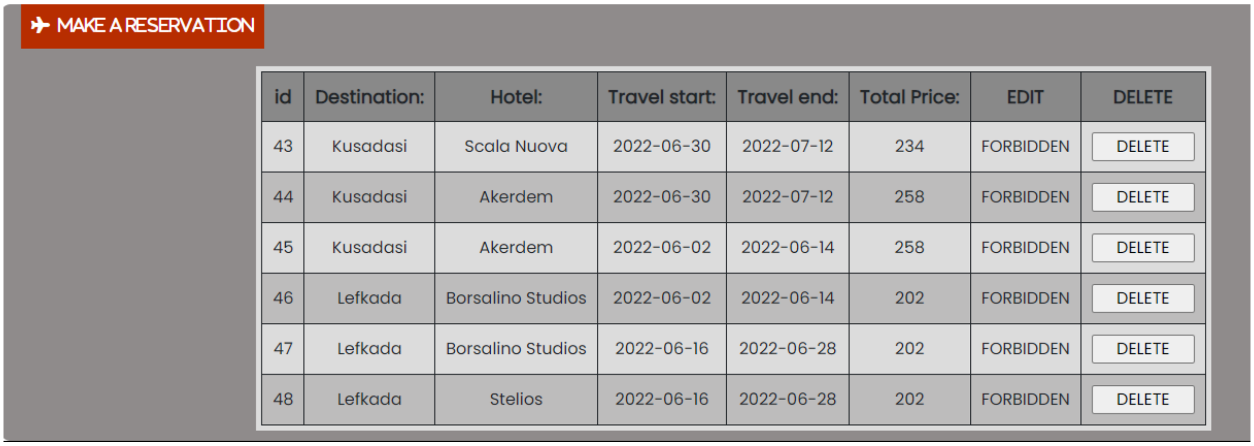
The main reason why thousands of people visit Lefkada every year are its beautiful beaches, which are a
twenty beaches, the most famous being Egremni, Porto Katsiki and Milos.

On Lefkada, you should also visit Nidri, which is a popular summer resort, but also hilly villages like Karja, w
Visit Lefkada and you will understand why you will want to come back again and explore this beautiful isl

Because of high mountains around Lefkada, subterainian waters are aplenty. Thus, waterfalls in this regio
and by itself. Nidi is a village next to the sea, distanced only by 10km from Lefkada centre. Close enough b

Klikom na neku od destinacija obavlja se ispis javaskriptom sa podacima koji su dohvaceni sa backa. Sve je dinamicki u zavisnosti od same destinacije i njenog broja aktivnosti, slika destinacije, slika aktivnosti etc. Odavde je moguce otici na stranicu za obavljanje rezervacije, ili se vratiti i ponovno ispisati sve destinacije. Naravno, sto se tice samog nav bara, ovde se ispisuje „Reservations“ jer sam ulogovan, inace ne bi, takodje se ispisuje „Admin“ jer sam ulogovan na admin nalogu, inace ne bi. Takodje na samom ulazu u stranicu preko url-a proverava se ponovo sve i redirektuje se, tako da je na admin stranicu nemoguce uci ako nismo u sesiji. Takodje se u headeru ispisuje dobrodosao [ime korisnika], ali prikazuje se samo na index stranici. Inace je drugaciji text headera u zavisnosti od stranice u kojoj se nalazimo. Naravno, prikaz detalja o selektovanoj destinaciji se menja u zavisnosti od toga da li smo ulogovani. Tacnije, dugme koje vodi na obavljanje rezervacije ce voditi na login ako nismo ulogovani, i promenice se njegov opis iz „Make a reservation“ u to da korisnik mora biti ulogovan.

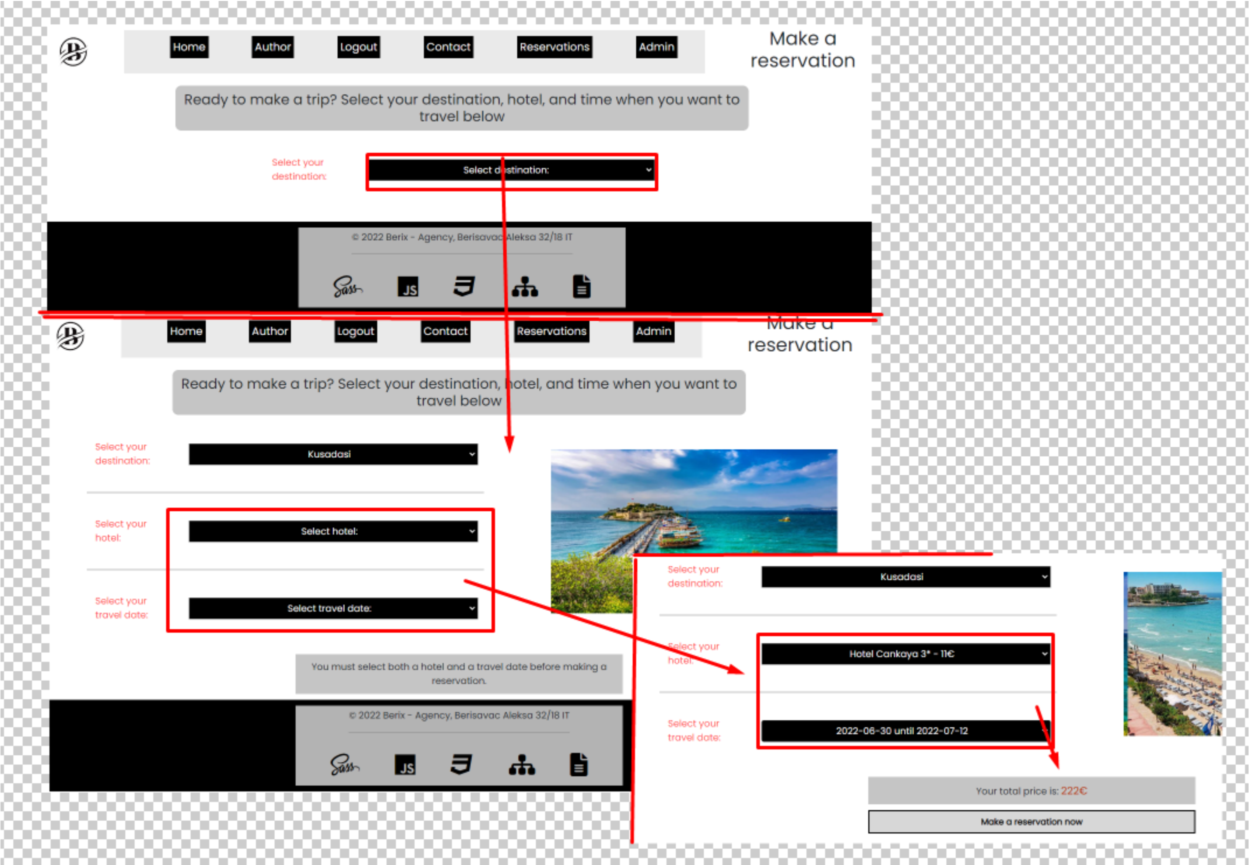
2.2 Reservations



id	Destination:	Hotel:	Travel start:	Travel end:	Total Price:	EDIT	DELETE
43	Kusadasi	Scala Nuova	2022-06-30	2022-07-12	234	FORBIDDEN	DELETE
44	Kusadasi	Akerdem	2022-06-30	2022-07-12	258	FORBIDDEN	DELETE
45	Kusadasi	Akerdem	2022-06-02	2022-06-14	258	FORBIDDEN	DELETE
46	Lefkada	Borsalino Studios	2022-06-02	2022-06-14	202	FORBIDDEN	DELETE
47	Lefkada	Borsalino Studios	2022-06-16	2022-06-28	202	FORBIDDEN	DELETE
48	Lefkada	Stelios	2022-06-16	2022-06-28	202	FORBIDDEN	DELETE

Ovde korisnik moze videti sve rezervacije koje je napravio. Ispisuje se dinamicki iz tabele. Moze i da brise svoje rezervacije ako zeli. Zabranjen mu je update svojih rezervacija, a sa obzirom da sam iskoristio istu funkciju za ispis tabele kao i na admin panelu nisam video potrebu da ponovo pisem funkciju za ispis tabele bez ovog dela. Odavde se moze otici na stranicu za obavljanje rezervacije.

2.3 Make a Reservation



Ready to make a trip? Select your destination, hotel, and time when you want to travel below

Select your destination: Select destination:

© 2022 Berix - Agency, Berisavac Aleksa 32/18 IT

Select your destination: Kusadasi

Select your hotel: Select hotel:

Select your travel date: Select travel date:

You must select both a hotel and a travel date before making a reservation.

Select your destination: Kusadasi

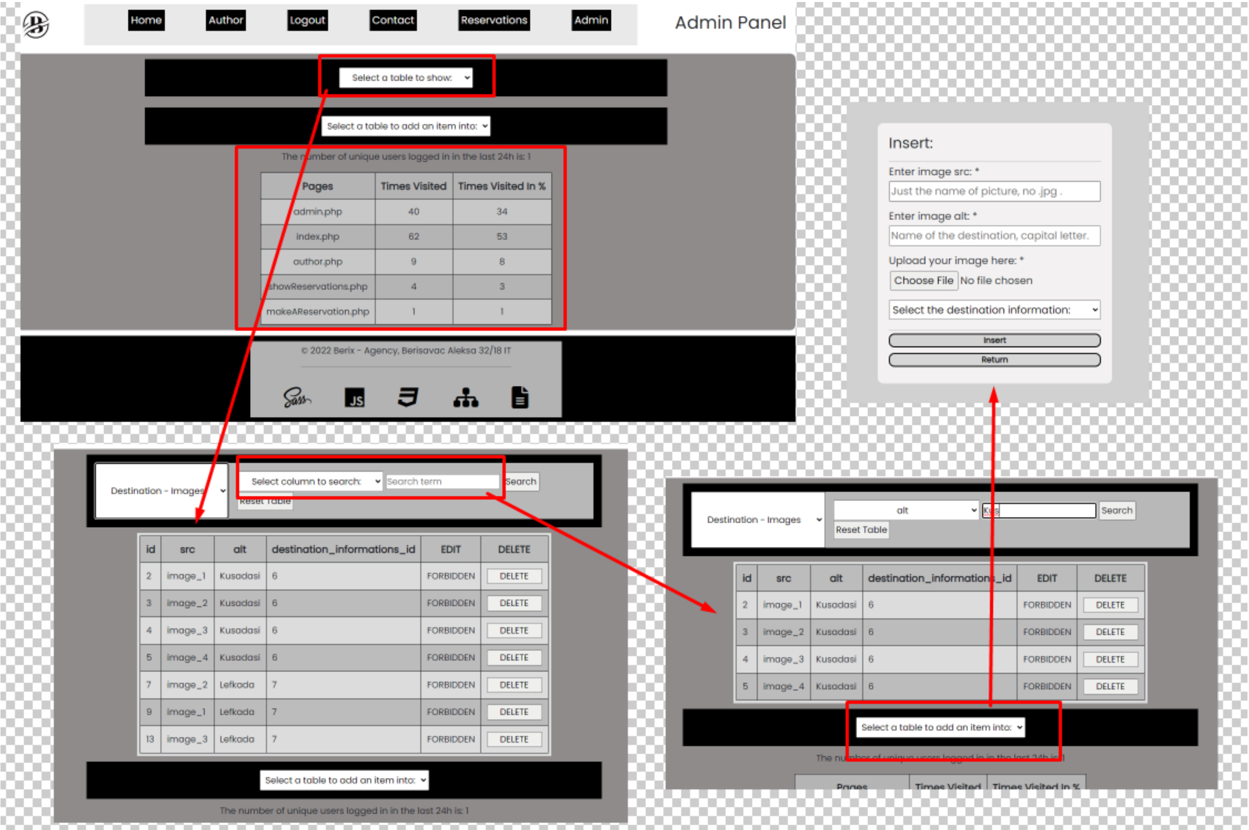
Select your hotel: Hotel Cankaya 3* - 11€

Select your travel date: 2022-06-30 until 2022-07-12

Your total price is: 222€

Prvo se prikazuju destinacije koje postoje. Nakon sto se izabere destinacija ispisuju se select za hotele i select za datum putovanja. Nakon sto se oba izaberu ispisuje se ukupna cena i dugme za rezervaciju. U slucaju da se nesto od-Izabere, u zavisnosti od toga sta je odredjene stvari ce se ispisati. Sve je odradjeno preko javaskripta i ajaxa u komunikaciji sa bazom podataka. Ako dodje do greske ispisace se koja je greska bila na serveru, odmah ispod dugmeta za obavljanje rezervacije.

2.4 Admin Panel



The number of unique users logged in in the last 24h is: 1

Pages	Times Visited	Times Visited In %
admin.php	40	34
index.php	62	53
author.php	9	8
showReservations.php	4	3
makeAReservation.php	1	1

© 2022 Berix - Agency, Berisavac Aleksa 32/18 IT

id	src	alt	destination_informations_id	EDIT	DELETE
2	image_1	Kusadasi	6	FORBIDDEN	DELETE
3	image_2	Kusadasi	6	FORBIDDEN	DELETE
4	image_3	Kusadasi	6	FORBIDDEN	DELETE
5	image_4	Kusadasi	6	FORBIDDEN	DELETE
7	image_2	Lefkoda	7	FORBIDDEN	DELETE
9	image_1	Lefkoda	7	FORBIDDEN	DELETE
13	image_3	Lefkoda	7	FORBIDDEN	DELETE

The number of unique users logged in in the last 24h is: 1

Insert:

Enter image src: *
Just the name of picture, no .jpg .

Enter image alt: *
Name of the destination, capital letter.

Upload your image here: *
No file chosen

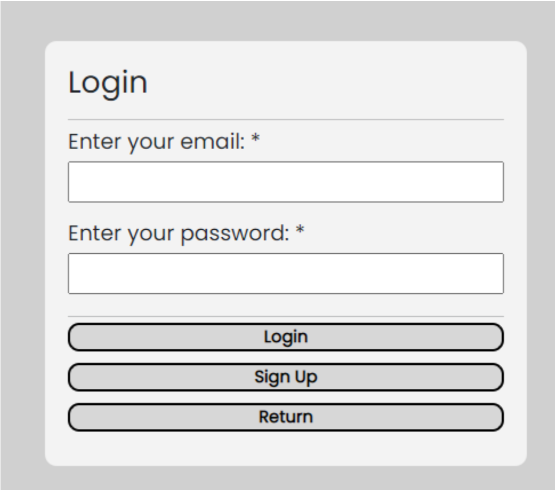
id	src	alt	destination_informations_id	EDIT	DELETE
2	image_1	Kusadasi	6	FORBIDDEN	DELETE
3	image_2	Kusadasi	6	FORBIDDEN	DELETE
4	image_3	Kusadasi	6	FORBIDDEN	DELETE
5	image_4	Kusadasi	6	FORBIDDEN	DELETE

The number of unique users logged in in the last 24h is: 1

Pages	Times Visited	Times Visited In %

Ovde Administrator inicijalno vidi prikaz statistike i ima opcije da prikaze bilo koju od tabela iz baze, da insertuje u jednu od 7 bitnih tabela, i da brise iz bilo koje od tabela. U slucaju da nema redova u tabeli, ili da dodje do greske u toku brisanja zbog narusavanja referencijalnog integriteta ispisace se poruka na dnu ekrana. 2 tabele u koje se moze raditi insert sadrze i insert slike. Sa obzirom na to da je tema takva kakva jeste nemam nikakve potrebe za thumbnailovima, pa njih nisam ni radio. Ali slika se sasvim uredno moze postaviti, i koristiti kasnije kada se poveze sa odgovarajucim aktivnostima etc, sto je sve lepo ispunjeno u insert formi, koja je posebna, kao popup, i dinamicki se ispisuje u zavisnosti od tabele u koju se insertuje. Sve provere sto se tice samog inserta se rade i na frontu i na backu. Nakon sto dodje do izmene tabele, ukoliko je bas ta tabela prikazana ponovo ce se ispisati kako bi se uocila promena. Bilo to insert ili delete.

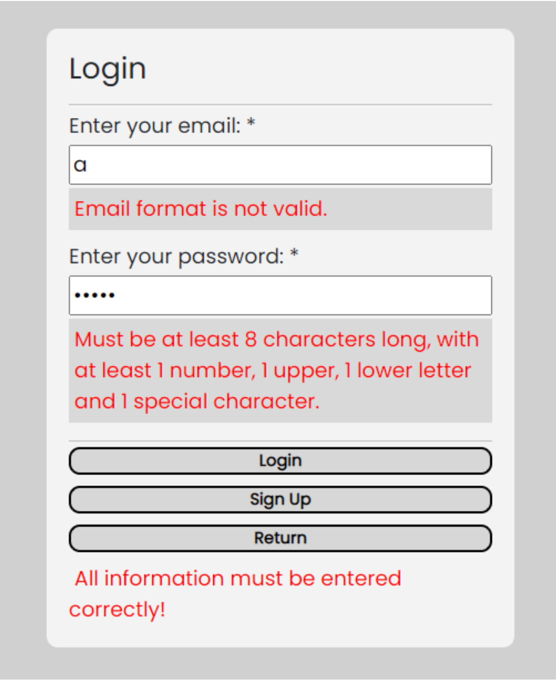
2.5 Login



Login

Enter your email: *

Enter your password: *



Login

Enter your email: *

a

Email format is not valid.

Enter your password: *

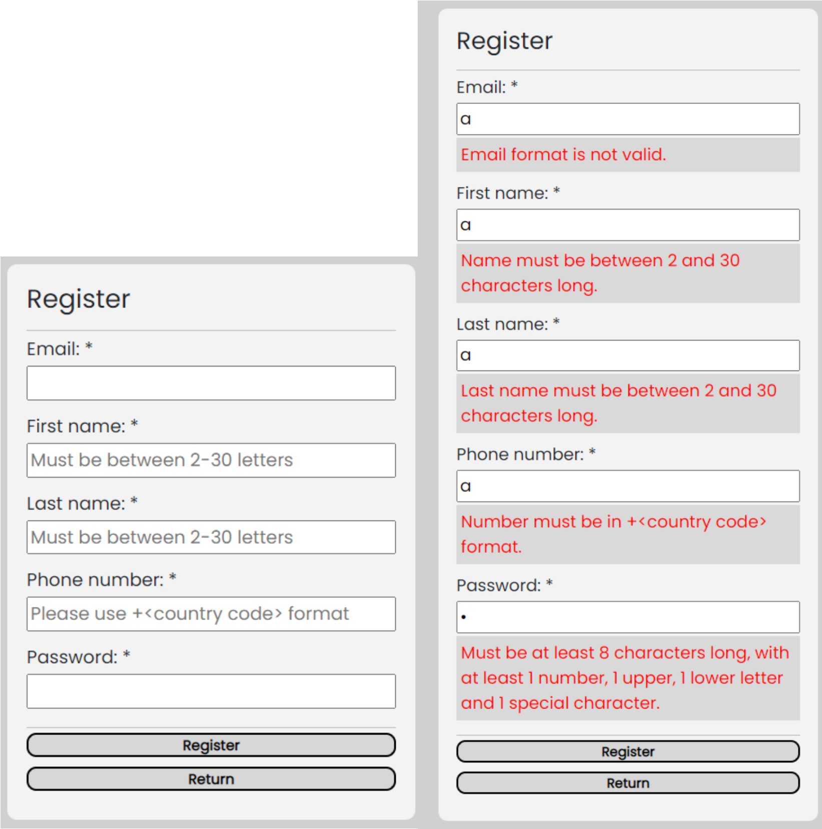
•••••

Must be at least 8 characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.

All information must be entered correctly!

Ovde se moze logovati. Login forma je odradjena kao popUp. Sve greske do kojih moze doci i na serveru bivaju uredno ispisane. Provera se vrsi i na frontu i na backu.

2.6 Register


Register

Email: *

First name: *
Must be between 2-30 letters

Last name: *
Must be between 2-30 letters

Phone number: *
Please use +<country code> format

Password: *

Register

Email: *
a
Email format is not valid.

First name: *
a
Name must be between 2 and 30 characters long.

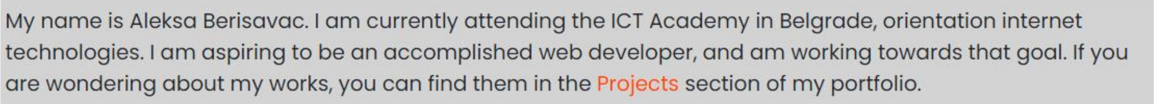
Last name: *
a
Last name must be between 2 and 30 characters long.

Phone number: *
a
Number must be in +<country code> format.

Password: *
•
Must be at least 8 characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.

Slicno kao sto je bila situacija sa loginom, ovde se korisnik moze registrovati. Provere se vrse i na frontu i na backu. Admin ne moze da se registruje. Admin se moze dodati samo direktno unosom u tabelu posto je to vrlo kriticno.

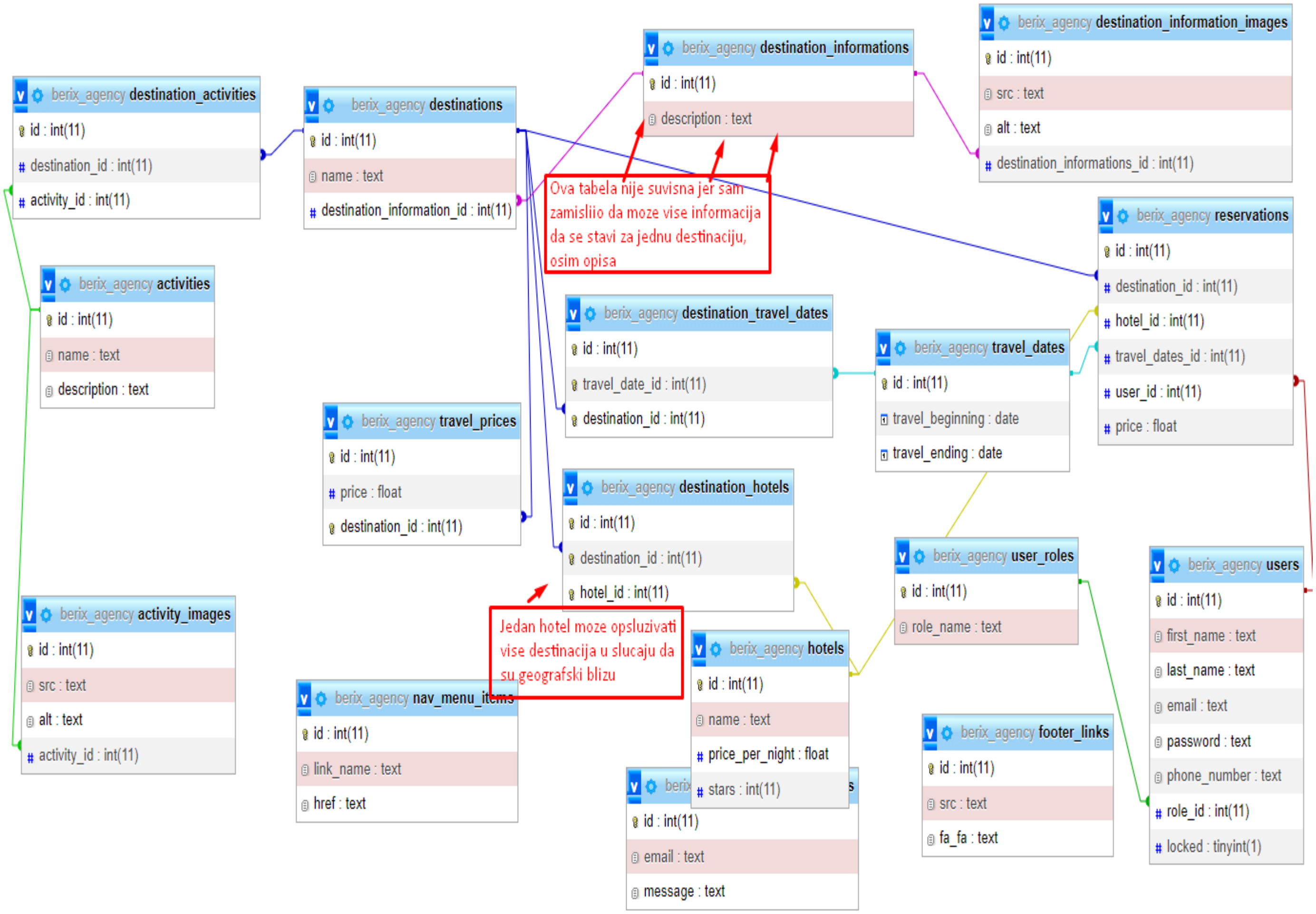
2.7 Author



My name is Aleksa Berisavac. I am currently attending the ICT Academy in Belgrade, orientation internet technologies. I am aspiring to be an accomplished web developer, and am working towards that goal. If you are wondering about my works, you can find them in the Projects section of my portfolio.

Klasicno o autoru. Nije odradjen export u dokument fajl. Odmah da napisem da nije odradjen ni eksport bilo kojeg dela sajta u excel formatu. Sve ostalo je uradjeno osim update-a neke od tabela.

3. Dizajn Baze Podataka



berix_agency destination_activities
id : int(11)
destination_id : int(11)
activity_id : int(11)

berix_agency destinations
id : int(11)
name : text
destination_information_id : int(11)

berix_agency destination_informations
id : int(11)
description : text

berix_agency destination_information_images
id : int(11)
src : text
alt : text
destination_informations_id : int(11)

berix_agency activities
id : int(11)
name : text
description : text

berix_agency reservations
id : int(11)
destination_id : int(11)
hotel_id : int(11)
travel_dates_id : int(11)
user_id : int(11)
price : float

berix_agency destination_travel_dates
id : int(11)
travel_date_id : int(11)
destination_id : int(11)

berix_agency travel_dates
id : int(11)
travel_beginning : date
travel_ending : date

berix_agency travel_prices
id : int(11)
price : float
destination_id : int(11)

berix_agency destination_hotels
id : int(11)
destination_id : int(11)
hotel_id : int(11)

berix_agency user_roles
id : int(11)
role_name : text

berix_agency users
id : int(11)
first_name : text
last_name : text
email : text
password : text
phone_number : text
role_id : int(11)
locked : tinyint(1)

berix_agency activity_images
id : int(11)
src : text
alt : text
activity_id : int(11)

berix_agency nav_menu_items
id : int(11)
link_name : text
href : text

berix_agency hotels
id : int(11)
name : text
price_per_night : float
stars : int(11)

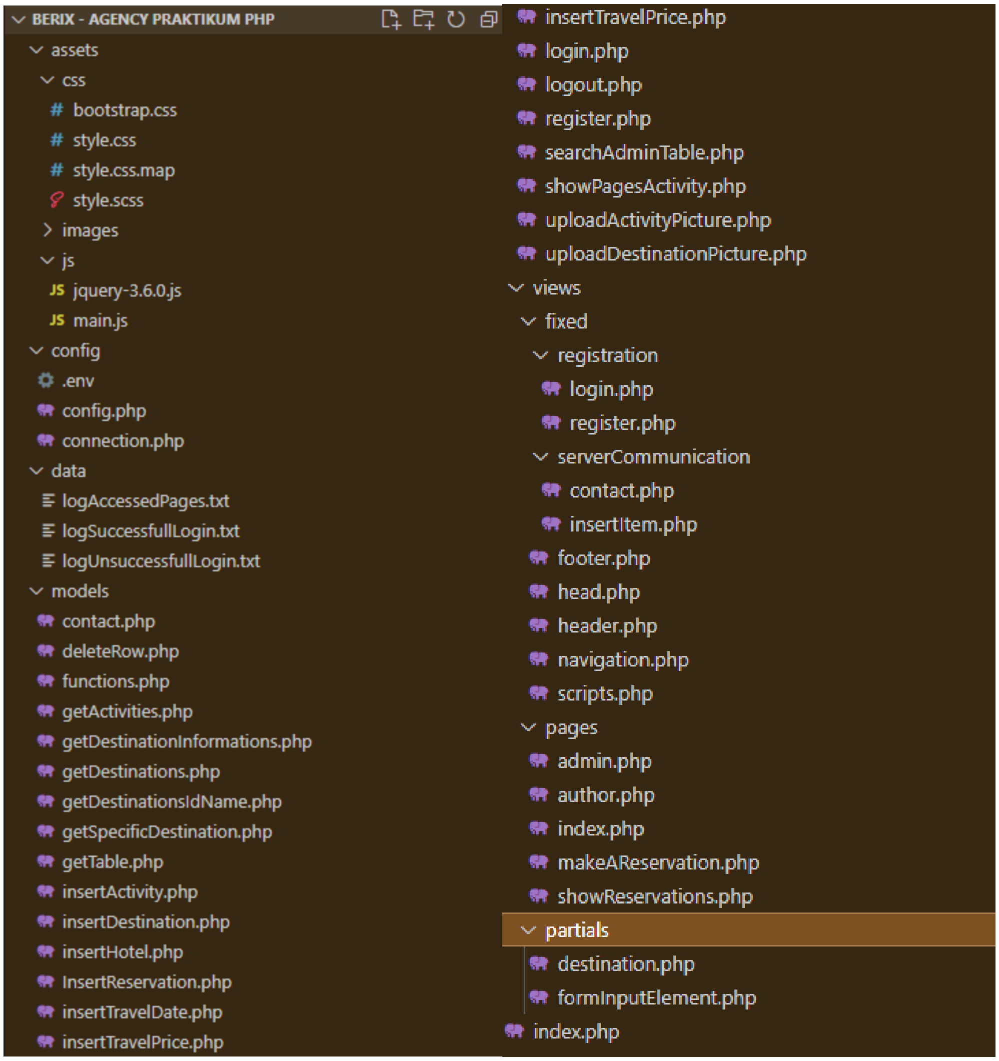
berix
id : int(11)
email : text
message : text

berix_agency footer_links
id : int(11)
src : text
fa_fa : text

Ova tabela nije suvisna jer sam zamisliio da moze vise informacija da se stavi za jednu destinaciju, osim opisa

Jedan hotel moze opsluzivati vise destinacija u slucaju da su geografski blizu

4. Struktura Projekta



```
BERIX - AGENCY PRAKTIKUM PHP
  assets
    css
      bootstrap.css
      style.css
      style.css.map
      style.scss
    images
    js
      jquery-3.6.0.js
      main.js
  config
    .env
    config.php
    connection.php
  data
    logAccessedPages.txt
    logSuccessfullLogin.txt
    logUnsuccessfullLogin.txt
  models
    contact.php
    deleteRow.php
    functions.php
    getActivities.php
    getDestinationInformations.php
    getDestinations.php
    getDestinationsIdName.php
    getSpecificDestination.php
    getTable.php
    insertActivity.php
    insertDestination.php
    insertHotel.php
    InsertReservation.php
    insertTravelDate.php
    insertTravelPrice.php
```

```
    insertTravelPrice.php
    login.php
    logout.php
    register.php
    searchAdminTable.php
    showPagesActivity.php
    uploadActivityPicture.php
    uploadDestinationPicture.php
  views
    fixed
      registration
        login.php
        register.php
      serverCommunication
        contact.php
        insertItem.php
      footer.php
      head.php
      header.php
      navigation.php
      scripts.php
    pages
      admin.php
      author.php
      index.php
      makeAReservation.php
      showReservations.php
    partials
      destination.php
      formInputElement.php
  index.php
```

5. Svi Kodovi (moguce da ima razlike u odnosu na hostovanu verziju sajta)

5.1 assets

5.1.1 sass

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins&family=Racing+Sans+One&display=s
wap');

*{
   margin:0px;
   padding:0px;
   font-family: 'Poppins';
}

.holder{
   width:100%;
}

header{
   background-color: #fff;
   display:flex;
   flex-direction: row;
   justify-content: space-between;
   align-items: center;
   position:sticky;
   top:0px;
   z-index: 2;

   div, nav{
      margin: 5px 20px;
      width:15%;

      h2 {
         text-align: center;
      }
   }

   nav{
      width:70%;
      background-color: #eaeaea;
   }
}

#scroll-to-top{
   display: none;
   flex-direction: column;
   align-items: center;
   justify-content: center;

   background-color: #b72d00;
   color:#fff;
   width:50px;
   height:50px;
   z-index:1;
   position:fixed;
   bottom:20px;
   right:20px;

   transition: all ease-in-out 0.3s;

   &:hover{
      transform: scale(1.1);
      background-color: #e73a00;
      border-radius: 15px;
   }
}

#return-to-index{
   background-color: #b72d00;
   color:#fff;
   padding:10px;
   z-index:1;
   position:fixed;
   top:17%;
   left:20px;

   transition: all ease-in-out 0.3s;

   &:hover{
      transform: scale(1.1);
      background-color: #e73a00;
      border-radius: 15px;
   }
}
```

```
#go-to-reservations{
  background-color: #b72d00;
  color:#fff;
  padding:10px;
  z-index:1;
  position:fixed;
  top:12%;
  left:20px;

  transition: all ease-in-out 0.3s;

  &:hover{
    transform: scale(1.1);
    background-color: #e73a00;
    border-radius: 15px;
  }
}

#error-message{
  background-color: #b72d00;
  color:#fff;
  padding:10px;
  z-index:3;
  position:fixed;
  width:100%;
  bottom:0px;
  left:0px;
  text-align: center;

  transition: all ease-in-out 0.3s;

  &:hover{
    background-color: #e73a00;
  }
}

nav{

  padding:10px;

  #btnMenu{
    display:none;
  }
  ul{
    display:flex;
    flex-direction: row;
    justify-content: space-around;
    align-items: center;

    list-style: none;

    a{
        text-decoration: none;
        color: #fff;
        background-color: #000;
        transition: all .3s ease-in-out;

        &:hover{
            animation: tilt-shaking 0.25s 2;
            color:#fff;
        }


        li{
            font-size:14pt;
            padding:5px;
        }

        &.active-nav-item{
            color: #000;
            background-color: #fff;
            animation: none;

            &:hover {
                transform: scale(1.1);
            }
        }
    }
  }

}

.popup-whole-screen{

  z-index: 3;
  position:fixed;
  background-color: #d0d0d0;
```

```
display: flex;
flex-direction: column;
align-items: center;
justify-content: center;

display:none;

// .visible{
// }
.invisible{
   display: none;
}

.popup-wrapper{
   background-color: #f3f3f3;
   width:30%;
   padding:20px;
   border-radius: 10px;
   h3, hr{
      margin-bottom: 5px;
   }
   h3{
      font-size: 20pt;
   }
   .form-input-element{
      display:flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;

      font-size: 14pt;
      margin-bottom: 10px;

      label{
         width:100%;
      }

      input, select{
         width:100%;
         margin-top: 3px;
         padding: 2px;
      }
```

```
         #image{
            color:red;
         }

         span{
            width:100%;
            margin-top: 3px;
            background-color: #dad9d9;
            color:red;
         }
      }

      .button-group{
         span{
            font-size: 14pt;
            width:100%;
            margin-top: 3px;
            color:red;
         }
         input{
            width: 100%;
            border-radius: 10px;
            padding: 4px;
            height:25px;
            font-weight: bold;
            font-size:11pt;
            transition: all .5s ease-in-out;
            background-color: #d7d7d7;
            margin-bottom:10px;
            color:#000;

            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;

            &:hover{
               background-color: #000;
               color:#fff;
            }
         }
      }
   }
}
```

```
footer{
    display:flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;

    background-color: #000;
    padding:10px;

    #footer-wrapper{
        width:40%;
        background-color: rgba(224, 224, 224, 0.8);


        display:flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;

        div{
            margin: 5px 0px;

            &#footer-copyright{
                hr{
                    margin-top:3px;
                    border-top: 1px solid #000;
                }
            }
            &#footer-links{
                font-size: 30pt;

                display:flex;
                flex-direction: row;
                justify-content: space-evenly;
                align-items: center;

                a{
                    color: #000;
                    transition: all .3s ease-in-out;

                    &:hover{
                        transform: scale(1.3);
                        text-shadow:
```

```
                     -1px -1px 0 #000,
                     1px -1px 0 #000,
                     -1px 1px 0 #000,
                     1px 1px 0 #000;
                  color:rgb(255, 61, 61);
               }
            }

         }
      }
   }
}

main{
   padding:10px;
}
#main-author{
   div{
      display:flex;
      flex-direction: column;
      justify-content: center;
      align-items: center;

      img{
         width:500px;
      }

      p{
         width:80%;
         margin-top:10px;
         font-size: 15pt;
         padding:5px;

         background-color: #d3d3d3;

         a{
            color:orangered;
            text-decoration: none;
         }
      }
   }
}

#main-index{
```

```
.destination-holder{
  display:flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;

  background-color: #eaeaea;
  margin: 10px 0px;
  padding:10px;

  .destination-information{
    margin:10px;

    display:flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
  }
  .carousel{
    width:60%;
    transition: all .3s ease-in-out;

    &:hover{
      transform: scaleX(1.05);
    }
  }
}

#specific-destination-holder{
  display:flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;

  background-color: #e7e7e7;
  margin: 10px 0px;
  padding:10px;

  .carousel{
    width:60%;
    transition: all .3s ease-in-out;

    &:hover{
      transform: scaleX(1.05);
      }
    }

    #destination-information-holder{
      margin:10px;
    }

    #destination-activities-holder{
      h4{
        text-align: center;
      }
      .activity-holder{
        display:flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;

        background-color: #e7e7e7;
        margin: 10px 0px;
        padding:10px;

        .activity-information{
          margin:10px;
        }
      }
    }
  }
}


#main-make-a-reservation{
  #reservation-holder{


    display:flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;

    .reservation-region-holder{

      width : 100%;

      display:flex;
```

```
flex-direction: row;
justify-content: center;
align-items: center;

h4{
  width:70%;
  padding:10px;
  background-color:rgb(197, 197, 197);
  border-radius: 10px;
  text-align: center;
}

#reservation-select-region-holder{

  width : 100%;

  display:flex;
  flex-direction: row;
  justify-content: space-around;
  align-items: center;

  // #reservation-destination-carousel{
  // }

  .reservation-select-holder{
    padding: 10px;
    border-radius: 10px;
    width:50%;
  }
  #reservation-destination-carousel{
    width:35%;
  }
  .reservation-select-holder, #reservation-destination-carousel   {

    display:flex;
    flex-direction: column;
    align-items: center;

    hr{
      width:100%;
      border-top: 2px solid #000;
    }
    #reservation-inputs-holder{
      display:flex;
      flex-direction: column;
      align-items: center;
      width:100%;

      .reservation-input-holder{
          width:100%;
          padding:10px;
          margin:10px 0px;

          display:flex;
          flex-direction: row;
          justify-content:space-between;
          align-items: center;
      }
    }

    label{
      margin-right:10px;
      padding:5px;
      width:20%;
      word-wrap: break-word;
      color: rgb(255, 61, 61);
    }

    select{
      width: 75%;
      text-align: center;
      padding:5px;
      background: #000;
      color: #fff;


    }
  }
}

#submit-reservation-holder{
  width:100%;
  margin-top:20px;
  display:flex;
  flex-direction: column;
  align-items: center;
```

```
        label{
          padding:10px;
          width:40%;
          background-color:rgb(197, 197, 197);
          text-align: center;
        }

        span{
          color: #b72d00;
          font-size: large;
        }

        #reservation-submit-request-span{
          color:#f00;
        }

        input{
          width: 40%;
          margin-top:10px;
          height:40px;
          font-weight: bold;
          font-size:11pt;
          transition: all .5s ease-in-out;
          background-color: #d7d7d7;
          margin-bottom:10px;
          color:#000;

          display: flex;
          flex-direction: column;
          align-items: center;
          justify-content: center;

          &:hover{
            background-color: #000;
            color:#fff;
          }
        }
      }
    }
  }
}

#main-show-reservations{
    display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;

  padding:10px 30px;
  min-width: 400px;
  background-color: rgb(143, 139, 139);
  border-radius: 10px;

#go-to-reservations{
  top:10%;
}

#table-information-wrapper{
  display:none;
  background-color: rgba(228, 228, 228, 0.9);
  padding:5px;
  margin-top:50px;
  text-align: center;

  //#isDeleted{
  //    color: rgb(197, 42, 42);
  //    text-shadow: -1px -1px 0 #000, 1px -1px 0 #000,-1px 1px 0 #000,1px 1px 0 #000;
  //    font-size: 20pt;
  //    text-align: center;
  //}

  table{
    padding:5px;
    border:1px solid;

    thead tr{
      background-color: rgba(128, 128, 128, 0.9);
    }
    tr:nth-child(even){
      background-color: rgba(185, 184, 184, 0.9);
    }

    th{
      font-size:large;
      text-align: center;
    }
    td, th{
```

```
                border:1px solid;
                padding:10px;

                input{
                    width: 100px;
                    text-align: center;

                    &:hover{
                        transition: all 0.3s ease-in-out;
                        background-color: #000;
                        color:#fff;
                    }
                }
            }
        }
    }
}

#main-admin-panel{
    #tables-wrapper{
        display: flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;

        padding:10px 30px;
        min-width: 400px;
        background-color: rgb(143, 139, 139);
        border-radius: 10px;

        #statistics{
            table{
                padding:5px;
                border:1px solid;

                tr{
                    text-align: center;
                }
                thead tr{
                    background-color: rgba(185, 184, 184, 0.9);
                }

                tr:nth-child(even){
                    background-color: rgba(206, 206, 206, 0.9);
        }

        th{
            font-size:large;
            text-align: center;
        }

        td, th{

            border:1px solid;
            padding:10px;

            input{
                width: 100px;
                text-align: center;

                &:hover{
                    transition: all 0.3s ease-in-out;
                    background-color: #000;
                    color:#fff;
                }
            }
        }
    }
}
#select-table-to-show{
    margin-bottom:10px;
    padding:15px;
    width:70%;
    background-color: #000;

    display: flex;
    flex-direction: row;
    justify-content: space-around;

    #admin-search{
        display: none;
        background-color: rgba(185, 184, 184, 1);
        padding:15px;

        span{
            width:100%;
            margin-top: 3px;
            background-color: #dad9d9;
            color:red;
        }

        #search-button, #search-reset{
            padding:3px;
        }
    }
    select{
        text-align: center;
        padding:5px;
    }
}

#table-information-wrapper{
    display:none;
    background-color: rgba(228, 228, 228, 0.9);
    padding:5px;

    //#isDeleted{
    //    color: rgb(197, 42, 42);
    //    text-shadow: -1px -1px 0 #000, 1px -1px 0 #000,-1px 1px 0 #000,1px 1px 0 #000;
    //    font-size: 20pt;
    //    text-align: center;
    //}

    table{
        padding:5px;
        border:1px solid;

        thead tr{
            background-color: rgba(185, 184, 184, 0.9);
        }
        tr:nth-child(even){
            background-color: rgba(185, 184, 184, 0.9);
        }

        th{
            font-size:large;
            text-align: center;
        }
        td, th{

            border:1px solid;
            padding:10px;
```

```
          input{
            width: 100px;
            text-align: center;

            &:hover{
              transition: all 0.3s ease-in-out;
              background-color: #000;
              color:#fff;
            }
          }
        }
      }
    }


    #select-item-to-insert{
      margin-bottom:10px;
      margin-top:10px;
      padding:15px;
      width:70%;
      background-color: #000;

      display: flex;
      flex-direction: row;
      justify-content: space-around;

      select{
        text-align: center;
        padding:5px;
      }
    }
  }
}

@media screen and (max-width: 1000px) and (min-width:0px){
  header{
    display:block;
    #header-logo{
      display:none;
    }
    #header-text{
      display:none;
    }
```

```
nav {
  position:fixed;
  top:0px;
  padding:0px;
  margin:0px;
  width:100%;
  display:block;
  #btnMenu{
    display:block;
    width:100%;
    background-color: #aeaeae;
    height:40px;
  }

  ul{
    display:none;
    padding:0px;

    a{

      li{
        text-align: center;
        text-decoration: none;
        color: #fff;
        background-color: #000;
        transition: all .3s ease-in-out;
        border-style: solid;
        border-width: 0px 0px 2px 0px;

        &:hover{
          transform: scale(1.1);
          border-width: 2px 0px 2px 0px;
          color: #f00;
        }
      }

      &.active-nav-item{
        li{
          color: #000;
          background-color: #fff;
          animation: none;

          &:hover {
```

```
                     color: #f00;
                     transform: scale(1.1);
                  }
               }
            }
         }
         &.show{
            display:block;
         }
      }
   }
}
.popup-whole-screen{
   .popup-wrapper{
      width:auto;
   }
}
footer{
   #footer-wrapper{
      width:95%;
   }
}
#main-author{
   div{
      img{
         width:200px;
      }
   }
}

#main-make-a-reservation{
   padding-top:50px;

   #reservation-holder{

      .reservation-region-holder{

         h4{
            width:100%;
         }
         .carousel{
            width:100%;
         }
         #reservation-select-region-holder{
```

```
        flex-direction: column;

        .reservation-select-holder, #reservation-destination-carousel{
          width:100%;

          #reservation-inputs-holder{
            .reservation-input-holder{
              flex-direction: column;
              align-items: center;
              text-align: center;
              width:100%;

              select{
                width:100%;
              }

              label{
                width:100%;
              }
            }
          }
        }

      }

      #submit-reservation-holder{
        label{
          width:100%;
        }

        input{
          width:100%;
        }
      }
    }
  }
}

#main-show-reservations{
  #table-information-wrapper{
    margin-top:80px;
  }

  #go-to-reservations{
      top:42px;
      right:auto;
      left:2px;
    }
  }

  #main-index{
    padding-top:100px;
    #return-to-index, #go-to-reservations{
      top:50px;
    }

    #go-to-reservations{
      right:0px;
      left:auto;
    }

    #return-to-index{
      left:0px;
    }

    #destinations-holder, #specific-destination-holder{
      .carousel{
        width:95%;
      }
    }
  }
}


@keyframes tilt-shaking {
  0% { transform: rotate(0deg); }
  25% { transform: rotate(3deg); }
  50% { transform: rotate(0deg); }
  75% { transform: rotate(-3deg); }
  100% { transform: rotate(0deg); }
}
```

5.1.2 main.js

```
$(document).ready(function(){

  $(".carousel").carousel({
    'pause': false
  });

  //Navigation Menu Functionalities
  //region
    function getUrlPath(){
      let urlPath =  window.location.pathname.split("/");
      urlPath = urlPath[urlPath.length - 1];
      return urlPath;
    }

    $("#scroll-to-top").click(()=>window.scrollTo(0,0));
    $(document).scroll(function(){
      if($("header")[0].offsetTop>300){
        $("#scroll-to-top").css('display', 'flex');
      } else{
        $("#scroll-to-top").css('display', 'none');
      }
    });

    function setActiveNavMenuItem(currentNavMenuItem){

      let arrayOfNavMenuItems = $("nav a");
      let i=0;

      for (navMenuItem of arrayOfNavMenuItems){

        let navMenuItemPath = navMenuItem.href.split("/");
        navMenuItemPath = navMenuItemPath[navMenuItemPath.length - 1];

        if(currentNavMenuItem==navMenuItemPath){
          arrayOfNavMenuItems[i].classList.add('active-nav-item');
          break;
        }

        i++;
      }
    }

    setActiveNavMenuItem(getUrlPath());
```

```
//endregion
//End Navigation Menu Functionalities

//Responsive
//region
    function showNavMenuItemsViaButtonClick(){
        $("nav ul").toggleClass("show");
    }
    $("#btnMenu").click(()=>showNavMenuItemsViaButtonClick());
//endregion
//End Responsive

//Popup functionalities
//region
    function showPopUp(id) {

        let screenWidth = $(window).width();
        let screenHeight = $(window).height();

        $("#" + id).css({
            'width': screenWidth + 'px',
            'height': screenHeight + 'px',
            'display': 'flex'
        });
        $("#" + id).children().addClass('visible');
        $("#" + id).children().removeClass('invisible');
    }
    function dropPopUp() {
        $(".popup-whole-screen").css("display", "none");
        $(".popup-whole-screen").children().removeClass('visible');
        $(".popup-whole-screen").children().addClass('invisible');
    }

    $(window).resize(function () {
        screenWidth = $(window).width();
        screenHeight = $(window).height();

        if ($("#login-form").css('display') == "flex") {
            dropPopUp();
            showPopUp("login-form");
        }

        if ($("#register-form").css('display') == "flex") {
            dropPopUp();
        showPopUp("register-form");
    }

    if ($("#contact-form").css('display') == "flex") {
        dropPopUp();
        showPopUp("contact-form");
    }

    if ($("#insert-item-form").css('display') == "flex") {
        dropPopUp();
        showPopUp("insert-item-form");
    }

});

$(document).keyup(function(e){

    if(e.keyCode === 27)
        dropPopUp();

    if(e.keyCode=== 13){
        $(".popup-whole-screen .visible input[type='button']")[0].click()
    }

});

//Show popups
function addPopupButtonListeners(){
    $("nav ul li:contains('Login')").click(function(){
        showPopUp('login-form');
    })
    $("nav ul li:contains('Contact')").click(function(){
        showPopUp('contact-form');
    })

    $("#login-form .register").click(function(){
        dropPopUp();
        showPopUp('register-form');
    })
    $("#login-form .return").click(()=>dropPopUp());
    $("#insert-form .return").click(()=>dropPopUp());
    $("#contact-form .return").click(()=>dropPopUp());
    $("#register-form .return").click(function(){
        dropPopUp();
        showPopUp('login-form');
      });
    }

    addPopupButtonListeners();
    //initial presentation
    $("#register-password").attr('type', 'password');
    $("#login-password").attr('type', 'password');
    $("#contact-message").attr('type', 'textarea');

    if($("#register-span").text().trim()!="") showPopUp("register-form");
    if($("#login-span").text().trim()!="") showPopUp("login-form");
    if($("#contact-span").text().trim()!="") showPopUp("contact-form");
  //endregion
  //End Popup Functionalities

  //Register Functionalities
  //region
    //Checking Fields

      //Regular Expressions

        let reFirstName = /^[a-z ,.'-]{2,30}$/;
        let reLastName = /^[a-z ,.'-]{2,30}$/;
        let rePassword = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-
z\d@$!%#*?&]{8,}$/;
        let rePhoneNumber = /(^\+[\d]{10,13})|(^\+[\d]{3,5}(\s\d{2,4}){1,4})/;
        let reEmail = /(?:[a-z0-9!#$%&'*+\/=?^_`{|}~-]+(?:\.[a-z0-9!#$%&'*+\/=?^_`{|}~-
]+)*|"(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21\x23-\x5b\x5d-\x7f]|\\[\x01-\x09\x0b\x0c\x0e-
\x7f])*")@(?:(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-9](?:[a-z0-9-]*[a-z0-
9])?|\[(?:(?:(2(5[0-5]|[0-4][0-9])|1[0-9][0-9]|[1-9]?[0-9]))\.){3}(?:(2(5[0-5]|[0-4][0-9])|1[0-
9][0-9]|[1-9]?[0-9])|[a-z0-9-]*[a-z0-9]:(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-
\x7f]|\\[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/;
        let reMessage = /^[\w .,!?:;]{2,200}$/
      //End Regular Expressions

      //If input is correct remove span text.
      $("#register-form .form-input-element input").blur(function(){
        checkAllRegistrationFields()
      });

      //Self explanatory
      function checkAllRegistrationFields() {
        let firstName = $("#register-first-name").val().toLowerCase();
        let lastName = $("#register-last-name").val().toLowerCase();
        let password = $("#register-password").val();
        let phoneNumber = $("#register-phone-number").val();
        let email = $("#register-email").val().toLowerCase();
        let alltrue=0

        alltrue+=  checkRegularExpression(reFirstName, firstName, "Name must be
between 2 and 30 characters long.", 'register-first-name-span');
        alltrue+=  checkRegularExpression(reLastName, lastName, "Last name must be
between 2 and 30 characters long.", 'register-last-name-span');
        alltrue+=  checkRegularExpression(rePassword, password, "Must be at least 8
characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.",
'register-password-span');
        alltrue+=  checkRegularExpression(rePhoneNumber, phoneNumber, "Number must
be in +<country code> format.", 'register-phone-number-span');
        alltrue+=  checkRegularExpression(reEmail, email, "Email format is not valid.",
'register-email-span');

        return alltrue==5;
      }

      function checkRegularExpression(regEx, ex, errMessage, spanId){
        if(!regEx.test(ex)&&ex!="") {
          $("#"+spanId).text(errMessage);
          $("#"+spanId).css('padding', '5px');
          return 0;
        } else if(ex==""){
          $("#"+spanId).text("");
          $("#"+spanId).css('padding', '0px');
          return 0;
        }
        else {
          $("#"+spanId).text("");
          $("#"+spanId).css('padding', '0px');
          return 1;
        };
      }

      function checkOptionalRegularExpression(regEx, ex, errMessage, spanId){
        if(!regEx.test(ex)&&ex!="") {
          $("#"+spanId).text(errMessage);
          $("#"+spanId).css('padding', '5px');
          return 0;
        } else if(ex==""){
            $("#"+spanId).text("");
            $("#"+spanId).css('padding', '0px');
            return 1;
        }
        else {
            $("#"+spanId).text("");
            $("#"+spanId).css('padding', '0px');
            return 1;
        };
    }

//End Checking Fields

//Submit form
$("#register-form .register").click(function(){
    if(checkAllRegistrationFields()){
        let email = $("#register-email").val().toLowerCase();
        let firstName = $("#register-first-name").val().toLowerCase();
        let lastName = $("#register-last-name").val().toLowerCase();
        let phoneNumber = $("#register-phone-number").val();
        let password = $("#register-password").val();
        let data = {
            "email": email,
            "password": password,
            "firstName": firstName,
            "lastName": lastName,
            "phoneNumber": phoneNumber
        };

        $.ajax({
            "url": "../../models/register.php",
            "method": "post",
            "data" : data,
            success: function(response){
                $("#register-span").text("Please wait...");
                $("#register-span").css('padding', '5px');
                sessionStorage.setItem("registerIsSuccessfull", "true");
                setTimeout(()=>{
                    location.reload();
                }, 1000);
            },
            error: function(xhr){
                if(xhr.status==422){
                    writeErrors(JSON.parse(xhr.responseText).errors, "register-span");
                    } else {
                        $("#register-span").text("Unexpected error. Contact support.");
                        $("#register-span").css('padding', '5px');
                    }
                }
            });
        } else{
            $("#register-span").text("All information must be entered correctly!");
            $("#register-span").css('padding', '5px');
        }
    })

    if(sessionStorage.getItem("registerIsSuccessfull")=="true"){
        sessionStorage.removeItem("registerIsSuccessfull");
        showPopUp("login-form");
        $("#login-span").text("You have successfully registered.");
        $("#login-span").css('padding', '5px');
    }

//endregion
//End Register Functionalities

//Write error messages in span
function writeErrors(errors, spanId){
    let text = "";
    for (error of errors){
        text+=error + "</br>";
    };
    $(`#${spanId}`).html(text);
    $(`#${spanId}`).css('padding', '5px');
}

//Login Functionalities
//region
//If input is correct remove span text.
$("#login-form-field .form-input-element input").blur(function(){
    checkAllLoginFields()
});
function checkAllLoginFields(){
    let email = $("#login-email").val().toLowerCase();
    let password = $("#login-password").val();
    let alltrue=0
```

```
        alltrue+=  checkRegularExpression(rePassword, password, "Must be at least 8 characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.", 'login-password-span');
        alltrue+=  checkRegularExpression(reEmail, email, "Email format is not valid.", 'login-email-span');

        return alltrue==2;
    }

    //Submit form

    $("#login-form #login").click(function(){

        if(checkAllLoginFields()){
            let email = $("#login-email").val().toLowerCase();
            let password = $("#login-password").val();
            let data = {"email": email, "password": password};

            $.ajax({
                "url": "../../models/login.php",
                "method": "post",
                "data" : data,
                success: function(response){
                    localStorage.setItem("isLoggedIn", "true");
                    $("#login-span").text("Please wait...");
                    $("#login-span").css('padding', '5px');
                    setTimeout(()=>location.reload(), 1000);
                },
                error: function(xhr){
                    if(xhr.status==422){
                        writeErrors(JSON.parse(xhr.responseText).errors, "login-span");
                    } else {
                        $("#login-span").text("Unexpected error. Contact support.");
                        $("#login-span").css('padding', '5px');
                    }
                }
            });
        } else{
            $("#login-span").text("All information must be entered correctly!");
            $("#login-span").css('padding', '5px');
        }

    })
    //endregion
```

```
  //End Login Functionalities

  //Logout Functionalities
  //region

  $("ul a li:contains('Logout')").click(()=>{
    localStorage.setItem("isLoggedIn", "false");
    $.ajax({
      "url": "../../models/logout.php",
      "method": "get",
      success: function(response){
        location.reload();
      },
      error: function(xhr){
      }
    })
  })

  //endregion
  //End Logout Funcionalities


  //Contact Popup
  //region
  //If input is correct remove span text.
    $("#contact-form .form-input-element input").blur(function(){
      checkAllContactFields();
    });

    //Self explanatory
    function checkAllContactFields() {
      let message = $("#contact-message").val();
      let email = $("#contact-email").val();
      let alltrue=0

      alltrue+=  checkRegularExpression(reMessage, message, "Message is either too long
or you used characters which are not allowed.", 'contact-message-span');
      alltrue+=  checkOptionalRegularExpression(reEmail, email, "Email format is not
valid.", 'contact-email-span');

      return alltrue==2;
    }

    //Submit
    $("#contact-form #contact").click(function(){
      if(checkAllContactFields()){

        let message = $("#contact-message").val().trim();
        let email = $("#contact-email").val().trim();
        let data = {
          message,
          email
        };

        $.ajax({
          "url": "../../models/contact.php",
          "method": "get",
          data,
          success: function(response){
            $("#contact-message").val("");
            $("#contact-email").val("");
            $("#contact-span").text("Successfuly sent your message. Send another one?");
            $("#contact-span").css('padding', '5px');
          },
          error: function(xhr){
            if(xhr.status==422){
              writeErrors(JSON.parse(xhr.responseText).errors, "contact-span");
            } else {
              $("#contact-span").text("Unexpected error. Contact support.");
              $("#contact-span").css('padding', '5px');
            }
          }
        });
      } else{
        $("#contact-span").text("All information must be entered correctly!");
        $("#contact-span").css('padding', '5px');
      }
    })
  //endregion
  //End Contact Popup

  //Show Specific Destination
  //region

  function addShowSpecificDestinationListener(){
    $("#main-index .carousel").click(function(){
      let id = $(this).attr('data-id');
```

```
      $.ajax({
        'url': '../../models/getSpecificDestination.php',
        'method': 'get',
        "data": {id},
        success: function(response){
          writeSpecificDestination(response.destination);
          $("#go-to-reservations").click(()=>{
            if(localStorage.getItem("isLoggedIn")!="true") showPopUp("login-form");
          })
        },
        error: function(xhr){
        }
      });
    });
  }

  function writeSpecificDestination(destination){
      $("#header-text h2").html("Welcome to Berix");
      let i=0;
      let html;
      //Make a reservation button
      if(localStorage.getItem("isLoggedIn")=="true"){
        html=`<a href="makeAReservation.php"><div id="go-to-reservations">
        <i class="fa fa-plane" aria-hidden="true">&nbsp;&nbsp;Make a reservation</i>
        </div></a>`;
      } else{
        html=`<a href="#"><div id="go-to-reservations">
        <i class="fa fa-plane" aria-hidden="true">&nbsp;&nbsp;Login to make a
reservation</i>
        </div></a>`;
      }

      //Return to index button
      html+=`<a href="index.php"><div id="return-to-index">
      <i class="fa-solid fa-arrow-left-long">&nbsp;&nbsp;Return</i>
      </div></a><div id="specific-destination-holder" >`;
      //ispis naslova
      html+=`<h3> ${destination.name} </h3>`

    //ispis karousela
    html+=`
      <div class="carousel slide" data-bs-ride="carousel" data-id="${destination.id}">
        <div class="carousel-inner">
        `;
      for(let image of destination.information_images){
        html+=`
          <div class="carousel-item ${i==0?'active':''}">
            <img src="../../assets/images/Destinations/` +
destination.name+`/`+image.src+`.jpg" class="d-block w-100" alt="${image.alt}">
          </div>
          `;
        i++;
      }
      i=0;
    //gotov ispis carousela

    //ispis informacija o destinaciji
      let allDestinationInformation = destination.information.description;
      allDestinationInformation=allDestinationInformation.split('\n');
      html+=`</div></div><div id="destination-information-holder"><hr/>`;
      for(let destinationInformation of allDestinationInformation){
        html+=`<p>${destinationInformation}</p><hr/>`;
      }

      html+=`</div>`;

      //gotov ispis informacija o destinaciji

    //ispis aktivnosti
    html+=`<div id="destination-activities-holder"
class="holder"><h4>Activities:</h4><hr/>`;

    for(let activity of destination.activities){
      html+=`<div class="activity-holder"><h5>${activity.name}</h5>`;
      //ispis karousela
      html+=`
      <div class="carousel slide" data-bs-ride="carousel" data-id="${destination.id}">
        <div class="carousel-inner">
        `;

      for(let image of  activity.images){
        html+=`
          <div class="carousel-item ${i==0?'active':''}">
            <img src="../../assets/images/Activities/` + activity.name+`/`+image.src+`.jpg"
class="d-block w-100" alt="${image.alt}">
          </div>
          `;
```

```
            i++;
        }
        i=0;
        html+=`</div>`;
        html+=`</div>`;
        //gotov ispis karousela

        //ispis informacija o aktivnosti
        html+=`<div class="activity-information"><p>${activity.description}</p>`;

        html+=`<hr/></div>`;
        //gotov ispis informacija o aktivnosti
        html+=`</div>`;
    }
    //gotov ispis aktivnosti

    html+=`</div>`;
        $("#main-index").html(html);

    $(".carousel").carousel({
        'pause': false
    });

    window.scrollTo(0,0);
}

addShowSpecificDestinationListener();
    //endregion
//End Show Specific Destination


//Admin Panel
//region

//SELECT SVIH TABELA
//region
function writeTableData(table){
    let text = `<table><thead><tr>`;
    if (table != false) {

        columns = Object.keys(table[0]);
        for ( let column of columns) {
            text += `<th>` + column + `</th>`;
        }
```

```
      text += `
      <th>EDIT</th>
      <th>DELETE</th></tr></thead><tbody>
    `;

      for (let row of table) {
        text += "<tr>"

        for (let column of columns) {
          text += `<td>` + row[column] + `</td>`;
        }

        //ako treba da se za odredjenu tabelu zabrani update
        //text += localStorage.getItem("tableChosenForManipulating") == "User" ?
"<td>FORBIDDEN</td>" : `<td><input type="button" data-action="update" data-
id="${row.id}" value="EDIT"/></td>`;
        text += localStorage.getItem("tableChosenForManipulating") != "" ?
"<td>FORBIDDEN</td>" : `<td><input type="button" data-action="update" data-
id="${row.id}" value="EDIT"/></td>`;

        text += `
      <td><input type="button" data-action="delete" data-id="${row.id}"
value="DELETE"/></td>
      `;

        text += `</tr>`
      }

      text += `</tbody></table>`;
    } else {
      text = "There are no items left in this table";
    }

    $("#table-information-wrapper").html(text);
    $("#table-information-wrapper").css("display", "inherit");
    addDeleteListener();
  }

  function writeTable(table){
    localStorage.setItem("tableChosenForManipulating", table);

    //ispis za pretragu ako tabela postoji
    if(table=="default") {
        $("#admin-search").css('display', 'none');
        $("#table-information-wrapper").html(`Select a table`);
        return;
    } else{
        $("#admin-search").css('display', 'block');
    }

    $.ajax({
        'url': '../../models/getTable.php',
        'method' : 'get',
        'data':{table},
        success: function(response){
            writeTableData(response.table);
            writeSearchSelect(response.table);
        },
        error: function(xhr){
        }
    });
}


$("#select-table-to-show #table-select").change(function(){
   writeTable($(this).val());
});

//endregion
//END SELECT SVIH TABELA

//PRETRAGA PO KOLONI TABELE
//region

function writeSearchSelect(table){
    let text=`<option value="default">Select column to search:</option>`;
    if(localStorage.getItem("tableChosenForManipulating") != "default"){
        let columns = Object.keys(table[0])
        for ( let column of columns) {
            text += `<option value="` + column + `">` + column + `</option>`;
        }
    }

    $("#select-search").html(text);
}

function addSearchTermEvent(){
   $("#search-button").click(function(){
     searchTerm($("#select-search")[0].value, $("#search-term").val());
   });
   $("#search-reset").click(function(){
      writeTable($("#select-table-to-show #table-select").val())
   });
}

function resetSearch(){
   $("#select-search")[0].value = "default";
   $("#search-term").val("");
}
function searchTerm(column, term){
   if (term.trim()==""||column=="default"){
      $("#invalid-search-term").html("Invalid search term!");
      setTimeout(()=>$("#invalid-search-term").html(""),2000);
      return;
   }

   let table = localStorage.getItem("tableChosenForManipulating");
   $.ajax({
      'url': "../../models/searchAdminTable.php",
      'method': "get",
      "data":{
         table,
         column,
         term
      },
      success: function(response){
         writeTableData(response.table);
         resetSearch();

      },
      error: function(xhr){

      }
   })
}
addSearchTermEvent();
//endregion
//END PRETRAGA PO KOLONI TABELE

//DELETE IZ TABELE
//region
```

```
  function addDeleteListener(){
    $("input[data-action='delete']").click(function(){
      deleteItem($(this).attr("data-id"));
    })
  }

  function deleteItem(id){

    let table = $("#select-table-to-show #table-select").val();
    if(localStorage.getItem("tableChosenForManipulating")=="showReservations"){
      table = "reservations";
    };

    $.ajax({
      'url': '../../models/deleteRow.php',
      'method' : 'post',
      data : {
        table,
        id
      },
      success: function(response){
        if(localStorage.getItem("tableChosenForManipulating")=="showReservations"){
          writeTable("showReservations");
        } else{
          writeTable($("#select-table-to-show #table-select").val());
        }
        if(response.isSuccessfull==false){
          writeErrorMessage("An error has occured when trying to delete the item.
Probably because of referential integrity. Try to delete the item where the selected row
primary key is being referenced first, then try again.");;
        }

      },
      error: function(xhr){
        writeErrorMessage("An error has occured when trying to delete the item. Probably
because of referential integrity. Try to delete the item where the selected row primary key is
being referenced first, then try again.");
      }
    })
  }

  $("#error-message").css('display', 'none');
  $("#error-message").click(()=>$("#error-message").css('display', 'none'));
  function writeErrorMessage(message){
    $("#error-message").html(message);
    $("#error-message").css('display', 'block');
  }

  addDeleteListener()

  //endregion
  //END DELETE IZ TABELE



  //INSERT PODATAKA
  //region Ispis Insert Popup-a

  $("#table-select-to-insert").change(()=>{
    let tableChosenForInsertion = $("#table-select-to-insert").val();
    localStorage.setItem("tableChosenForInsertion", tableChosenForInsertion);
    if(tableChosenForInsertion!="default"){
      switch(tableChosenForInsertion){
        case "activities":
          $.ajax({
            "url":"../../models/getDestinations.php",
            "method":"get",
            success: function(response){
              if(response.destinations==undefined){
                writeErrorMessage("There is not enough data about some destinations.
Please fulfill all necessary data before inserting. Especially if you have added new
destinations.");
              } else{
                insertActivity(response.destinations);
                showPopUp("insert-item-form");
              }
            },
            error: function(xhr){

            }
          });
          break;
        case "travel_prices":
          $.ajax({
            "url":"../../models/getDestinationsIdName.php",
            "method":"get",
            success: function(response){
              if(response.destinations==undefined){
                writeErrorMessage("There is not enough data about some destinations.
Please fulfill all necessary data before inserting. Especially if you have added new
destinations.");
              } else{
                insertTravelPrice(response.destinations);
                showPopUp("insert-item-form");
              }
            },
            error: function(xhr){

            }
          });
          break;
        case "destinations":
          insertDestination();
          showPopUp("insert-item-form");
          break;
        case "destination_information_images":
          $.ajax({
            "url":"../../models/getDestinations.php",
            "method":"get",
            success: function(response){
              if(response.destinations==undefined){
                writeErrorMessage("There is not enough data about some destinations.
Please fulfill all necessary data before inserting. Especially if you have added new
destinations.");
              } else{
                insertDestinationImages(response.destinations);
                showPopUp("insert-item-form");
              }
            },
            error: function(xhr){

            }
          });
          break;
        case "hotels":
          $.ajax({
            "url":"../../models/getDestinations.php",
            "method":"get",
            success: function(response){
              if(response.destinations==undefined){
```

```
                                writeErrorMessage("There is not enough data about some destinations.
Please fulfill all necessary data before inserting. Especially if you have added new
destinations.");
                            } else{
                                insertHotel(response.destinations);
                                showPopUp("insert-item-form");
                            }
                        },
                        error: function(xhr){

                        }
                    });
                    break;
                case "travel_dates":
                    $.ajax({
                        "url":"../../models/getDestinationsIdName.php",
                        "method":"get",
                        success: function(response){
                            if(response.destinations==undefined){
                                writeErrorMessage("There is not enough data about some destinations.
Please fulfill all necessary data before inserting. Especially if you have added new
destinations.");
                            } else{
                                insertTravelDate(response.destinations);
                                showPopUp("insert-item-form");
                            }
                        },
                        error: function(xhr){

                        }
                    });
                    break;
                case "activity_images":
                    $.ajax({
                        "url":"../../models/getActivities.php",
                        "method":"get",
                        success: function(response){
                            insertActivityImages(response.activities);
                            showPopUp("insert-item-form");
                        },
                        error: function(xhr){

                        }
                    });
```

```
          break;
      }
      $("#table-select-to-insert").val("default");
    }
  });

  function insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
inputSpanText, counter){
    let html="";
    for(let i=0; i<counter;i++){
      html+=`
      <div class="form-input-element">
      <label for="${inputId[i]}">${inputLabelText[i]}</label>
      <input type="text" placeholder="${inputPlaceholderText[i]}" id="${inputId[i]}"
name="${inputId[i]}"/>
      <span id="${inputSpanId[i]}">${inputSpanText[i]}</span>
      </div>
      `;
    }

    return html;
  }

  function insertSelectinput(selectId, spanId, defaultText, optionValue, optionText,
counter){
    let html="";
    html+=`
    <div class="form-input-element">
      <select id="${selectId}" name="${selectId}">
      <option value="default"> ${defaultText} </option>
    `;
    for(let i=0; i<counter;i++){
       html+=`
       <option value="${optionValue[i]}"> ${optionText[i]} </option>
       `;
    }
    html+=`
    </select>
    <span id="${spanId}"></span>
    </div>
    `;
    return html;
  }
  function insertPopupButtons(html, id){
    html+=`
    <hr/>
    <div class="button-group">
      <input type="button" id="insert-${id}" name="${id}"value="Insert"/>
      <input type="button" class="return" value="Return"/>
      <span id="insert-span">

      </span>
    </div>
  `;

  return html;
  }

  //endregion Ispis Insert Popup-a
  //region Insert Hotela

  function checkAllInsertHotelFields(){
    let rePricePerNight = /^[1-9][0-9]*(\.[0-9]([1-9]?))?$/;
    let reHotelName = /^([a-zA-Z ]){2,50}$/;
    let reStars = /^[1-5]$/;

    let hotelName = $("#hotel-name").val();
    let pricePerNight = $("#hotel-price-per-night").val();
    let stars = $("#hotel-stars").val();
    let alltrue=0

    alltrue+=  checkRegularExpression(reHotelName, hotelName, "Hotel name must be
between 2 and 50 characters long with only letters.", 'hotel-name-span');
    alltrue+=  checkRegularExpression(rePricePerNight, pricePerNight, "You can only use
formats: XY[.Z[V]]", 'hotel-price-per-night-span');
    alltrue+=  checkRegularExpression(reStars, stars, "Number of stars must be between 1
and 5.", 'hotel-stars-span');

    return alltrue==3;
  }

  function sendInsertHotelRequest(){
    if(checkAllInsertHotelFields()){
      let hotelName = $("#hotel-name").val();
      let pricePerNight = $("#hotel-price-per-night").val();
      let stars = $("#hotel-stars").val();
      let destinationId = $("#destination-select").val();
```

```
            let data = {
                "hotelName": hotelName,
                "pricePerNight": pricePerNight,
                "destinationId": destinationId,
                "stars": stars
            };

            $.ajax({
                "url": "../../models/insertHotel.php",
                "method": "post",
                "data" : data,
                success: function(response){
                    $("#insert-span").text("Successfully inserted hotel. Insert another one?");
                    $("#insert-span").css('padding', '5px');
                    if($("#select-table-to-show #table-select").val()=="hotels" || $("#select-table-to-
show #table-select").val()=="destination_hotels"){
                        writeTable($("#select-table-to-show #table-select").val())
                    }
                },
                error: function(xhr){
                    if(xhr.status==422){
                        writeErrors(JSON.parse(xhr.responseText).errors, "insert-span");
                    } else {
                        $("#insert-span").text("Unexpected error. Contact support.");
                        $("#insert-span").css('padding', '5px');
                    }
                }
            });
        } else{
            $("#insert-span").text("All information must be entered correctly!");
            $("#insert-span").css('padding', '5px');
        }
    }

    function insertHotel(destinations){
        let inputId = ['hotel-name', 'hotel-price-per-night', "hotel-stars"];
        let inputLabelText = ['Enter hotel name: *', 'Enter price per night (€) : *', 'Enter the
number of stars: *'];
        let inputPlaceholderText = ['', 'Example: 19.39', ''];
        let inputSpanId = ['hotel-name-span', 'hotel-price-per-night-span', 'hotel-stars-span'];
        let inputSpanText = ['', '', ''];

        let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
inputSpanText, inputId.length);
```

```
    let optionValue = [];
    let optionText = [];
    for(let destination of destinations){
      optionValue.push(destination.id);
      optionText.push(destination.name);
    }

    html+= insertSelectinput("destination-select", "destination-select-span", "Select
location (optional): ",optionValue, optionText, optionText.length);

    html = insertPopupButtons(html, "hotel");

    $("#insert-form").html(html);
    addPopupButtonListeners();

    $("#insert-form .form-input-element input").blur(function(){
      checkAllInsertHotelFields();
    });

    $("#insert-hotel").click(()=>{
      sendInsertHotelRequest();
    })
  }

  //endregion Insert Hotela
  //region Insert Aktivnosti

  function checkAllInsertActivityFields(){
    let reActivityName = /^([a-zA-Z ]){2,50}$/;
    let reActivityDescription = /^(.){10,}$/;

    let activityName = $("#activity-name").val();
    let activityDescription = $("#activity-description").val();
    let alltrue=0

    alltrue+=  checkRegularExpression(reActivityName, activityName, "Activity name must
be between 2 and 50 characters long with only letters.", 'activity-name-span');
    alltrue+=  checkRegularExpression(reActivityDescription, activityDescription,
"Description can't be empty, or shorter then 10 characters.", 'activity-description-span');

    return alltrue==2;
  }
```

```
    function sendInsertActivityRequest(){
        if(checkAllInsertActivityFields()){
            let activityName = $("#activity-name").val();
            let activityDescription = $("#activity-description").val();
            let destinationId = $("#destination-select").val();
            let data = {
                "activityName": activityName,
                "activityDescription": activityDescription,
                "destinationId": destinationId
            };

            $.ajax({
                "url": "../../models/insertActivity.php",
                "method": "post",
                "data" : data,
                success: function(response){
                    $("#insert-span").text("Successfully inserted activity. Insert another one?");
                    $("#insert-span").css('padding', '5px');
                    if($("#select-table-to-show #table-select").val()=="activities" || $("#select-table-to-show #table-select").val()=="destination_activities"){
                        writeTable($("#select-table-to-show #table-select").val())
                    }
                },
                error: function(xhr){
                    if(xhr.status==422){
                        writeErrors(JSON.parse(xhr.responseText).errors, "insert-span");
                    } else {
                        $("#insert-span").text("Unexpected error. Contact support.");
                        $("#insert-span").css('padding', '5px');
                    }
                }
            });
        } else{
            $("#insert-span").text("All information must be entered correctly!");
            $("#insert-span").css('padding', '5px');
        }
    }

    function insertActivity(destinations){
        let inputId = ['activity-name', 'activity-description'];
        let inputLabelText = ['Enter activity name: *', 'Enter activity description: *'];
        let inputPlaceholderText = ['', ''];
        let inputSpanId = ['activity-name-span', 'activity-description-span'];
        let inputSpanText = ['', ''];
        let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
    inputSpanText, inputId.length);

        let optionValue = [];
        let optionText = [];
        for(let destination of destinations){
            optionValue.push(destination.id);
            optionText.push(destination.name);
        }

        html+= insertSelectinput("destination-select", "destination-select-span", "Select
    location (optional): ",optionValue, optionText, optionText.length);

        html = insertPopupButtons(html, "activity");

        $("#insert-form").html(html);
        addPopupButtonListeners();


        $("#insert-form .form-input-element input").blur(function(){
            checkAllInsertActivityFields();
        });

        $("#insert-activity").click(()=>{
            sendInsertActivityRequest();
        });
    }

    //endregion Insert Aktivnosti
    //region Insert Slika Za Aktivnosti

    function checkAllInsertActivityImageFields(){
        let reActivityImageSrc = /^([a-zA-Z1-9_.]){3,50}$/;
        let reActivityImageAlt = /^([a-zA-Z1-9 ]){2,50}$/;

        let activityImageSrc = $("#activity-image-src").val().toLowerCase();
        let activityImageAlt = $("#activity-image-alt").val();
        let activityId = $("#activity-select").val();
        let alltrue=0

        if($("#activity-image")[0].files.length==1){
            alltrue+= 1;
            $("#activity-image-span").html(" ");
            $("#activity-image-span").css("padding", "0px");
        } else{
            writeErrors(["You must upload a picture."], "activity-image-span");
        }
        if(activityId!="default") {
            alltrue+= 1;

            $("#activity-select-span").html(" ");
            $("#activity-select-span").css("padding", "0px");
        } else{
            writeErrors(["You must chose an activity!"], "activity-select-span");
        }
        alltrue+=  checkRegularExpression(reActivityImageSrc, activityImageSrc, "Only letters,
    underscores, dots and numbers allowed. Length is 3-50.", 'activity-image-src-span');
        alltrue+=  checkRegularExpression(reActivityImageAlt, activityImageAlt, "Only letters
    and numbers allowed, with spaces. Length is 2-50.", 'activity-image-alt-span');

        return alltrue==4;
    }

    function sendInsertActivityimageRequest(){
        if(checkAllInsertActivityImageFields()){
            $("#insert-form").attr("action", "../../models/uploadActivityPicture.php");
            $("#insert-form").submit();

        } else{
            $("#insert-span").text("All information must be entered correctly!");
            $("#insert-span").css('padding', '5px');
        }
    }

    function insertActivityImages(activities){
        let inputId = ['activity-image-src', 'activity-image-alt'];
        let inputLabelText = ['Enter image src: *', 'Enter image alt: *'];
        let inputPlaceholderText = ['Just the name of picture, no .jpg .', 'Name of the activity,
    capital letter.'];
        let inputSpanId = ['activity-image-src-span', 'activity-image-alt-span'];
        let inputSpanText = ['', ''];

        let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
    inputSpanText, inputId.length);

        html+=`
```

```
      <div class="form-input-element">
      <label for="activity-image">Upload your image here: *</label>
      <input type="file"  id="activity-image" name="activity-image"/>
      <span id="activity-image-span"></span>
      </div>
    `;

    let optionValue = [];
    let optionText = [];

    for(let activity of activities){
      optionValue.push(activity.id);
      optionText.push(activity.name);
    }

    html+= insertSelectinput("activity-select", "activity-select-span", "Select the activity: *",
optionValue, optionText, optionText.length);

    html=insertPopupButtons(html, "activity-image");

    $("#insert-form").html(html);
    addPopupButtonListeners();

    $("#insert-form .form-input-element input").blur(function(){
      checkAllInsertActivityImageFields();
    });

    $("#insert-form .form-input-element #activity-select").change(function(){
      checkAllInsertActivityImageFields();
    });

    $("#insert-activity-image").click(()=>{
      sendInsertActivityimageRequest();
    });


  }

  //endregion Insert Slika Za Aktivnosti
  //region Insert Datuma Putovanja

  function checkAllInsertTravelDateFields(){
    let reTravelDate = /^\d{4}\-(0[1-9]|1[012])\-(0[1-9]|[12][0-9]|3[01])$/;
    let travelDateBeginning = $("#travel-beginning").val();
    let travelDateEnding = $("#travel-ending").val();

    let alltrue=0

    alltrue+=  checkRegularExpression(reTravelDate, travelDateBeginning, "Choose correct
date. ", 'travel-beginning-span');
    alltrue+=  checkRegularExpression(reTravelDate, travelDateEnding, "Choose correct
date. ", 'travel-ending-span');


    return alltrue==2;
  }

  function sendInsertTravelDateRequest(){
    if(checkAllInsertTravelDateFields()){
      // if(true){
      let travelDateBeginning = $("#travel-beginning").val();
      let travelDateEnding = $("#travel-ending").val();
      let destinationId = $("#destination-select").val();
      let data = {
        "travelDateBeginning": travelDateBeginning,
        "travelDateEnding": travelDateEnding,
        "destinationId": destinationId
      };

      $.ajax({
        "url": "../../models/insertTravelDate.php",
        "method": "post",
        "data" : data,
        success: function(response){
          $("#insert-span").text("Successfully inserted travel date.");
          $("#insert-span").css('padding', '5px');
          if($("#select-table-to-show #table-select").val()=="travel_dates" || $("#select-
table-to-show #table-select").val()=="destination_travel_dates"){
            writeTable($("#select-table-to-show #table-select").val())
          }
        },
        error: function(xhr){
          if(xhr.status==422){
            writeErrors(JSON.parse(xhr.responseText).errors, "insert-span");
          } else {
            $("#insert-span").html("Unexpected error. Contact support.
</br></br>"+xhr.responseText);
```

```
            $("#insert-span").css('padding', '5px');
          }
        }
      });
    } else{
      $("#insert-span").text("All information must be entered correctly!");
      $("#insert-span").css('padding', '5px');
    }
  }

  function insertTravelDate(destinations){
    let inputId = ['travel-beginning', 'travel-ending'];
    let inputLabelText = ['Enter beginning date of travel: *', 'Enter ending date of travel: *'];
    let inputPlaceholderText = ['Example: 2022-10-13', 'Example: 2022-10-19'];
    let inputSpanId = ['travel-beginning-span', 'travel-ending-span'];
    let inputSpanText = ['', ''];

    let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
inputSpanText, inputId.length);

    let optionValue = [];
    let optionText = [];
    for(let destination of destinations){
      optionValue.push(destination.id);
      optionText.push(destination.name);
    }

    html+= insertSelectinput("destination-select", "destination-select-span", "Select the
destination: ",optionValue, optionText, optionText.length);

    html = insertPopupButtons(html, "travel-date");

    $("#insert-form").html(html, "travel-date");
    addPopupButtonListeners();

    $("#insert-form .form-input-element input").blur(function(){
      checkAllInsertTravelDateFields();
    });

    $("#insert-travel-date").click(()=>{
      sendInsertTravelDateRequest();
    })
  }
```

```
    //endregion Insert Datuma Putovanja
    //region Insert Cene Prevoza

    function checkAllInsertTravelPriceFields(){
        let reTravelPrice = /^[1-9][0-9]*(\.[0-9]([1-9]?))?$/;

        let travelPrice = $("#travel-price").val();
        let destinationId = $("#destination-select").val();

        let alltrue=0

        alltrue+=  checkRegularExpression(reTravelPrice, travelPrice, "You can only use formats:
XY[.Z[V]]", 'travel-price-span');
        if(destinationId!="default") {
            alltrue+=1;
            $("#destination-select-span").html("");
            $("#destination-select-span").css("padding", "0px");
        } else{
            writeErrors(["Some destination must be selected."], "destination-select-span");
        }

        return alltrue==2;
    }

    function sendInsertTravelPriceRequest(){
        if(checkAllInsertTravelPriceFields()){
            let travelPrice = $("#travel-price").val();
            let destinationId = $("#destination-select").val();
            let data = {
                "travelPrice": travelPrice,
                "destinationId": destinationId
            };

            $.ajax({
                "url": "../../models/insertTravelPrice.php",
                "method": "post",
                "data" : data,
                success: function(response){
                    $("#insert-span").text("Successfully inserted Travel Price. Insert another one?");
                    $("#insert-span").css('padding', '5px');
                    if($("#select-table-to-show #table-select").val()=="travel_prices" || $("#select-
table-to-show #table-select").val()=="travel_prices"){
                        writeTable($("#select-table-to-show #table-select").val())
                    }
            },
            error: function(xhr){
               if(xhr.status==422){
                  writeErrors(JSON.parse(xhr.responseText).errors, "insert-span");
               } else {
                  $("#insert-span").html("Unexpected error. Contact support.
</br></br>"+xhr.responseText);
                  $("#insert-span").css('padding', '5px');
               }
            }
         });
      } else{
         $("#insert-span").text("All information must be entered correctly!");
         $("#insert-span").css('padding', '5px');
      }
   }

   function insertTravelPrice(destinations){
      let inputId = ['travel-price'];
      let inputLabelText = ['Enter travel price (€): *'];
      let inputPlaceholderText = [''];
      let inputSpanId = ['travel-price-span'];
      let inputSpanText = [''];

      let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
inputSpanText, inputId.length);

      let optionValue = [];
      let optionText = [];
      for(let destination of destinations){
         optionValue.push(destination.id);
         optionText.push(destination.name);
      }

      html+= insertSelectinput("destination-select", "destination-select-span", "Select the
destination: ",optionValue, optionText, optionText.length);

      html= insertPopupButtons(html, "travel-price");


      $("#insert-form").html(html);
      addPopupButtonListeners();

      $("#insert-form .form-input-element input").blur(function(){
```

```
      checkAllInsertTravelPriceFields();
    });

    $("#insert-form .form-input-element select").change(function(){
      checkAllInsertTravelPriceFields();
    });

    $("#insert-travel-price").click(()=>{
      sendInsertTravelPriceRequest();
    })
  }

  //endregion Insert Cene Prevoza
  //region Insert Destinacije

  function checkAllInsertDestinationFields(){
    let reDestinationName = /^([a-zA-Z ]){2,50}$/;
    let reDestinationDescription = /^(.){10,}$/;

    let destinationName = $("#destination-name").val().toLowerCase();
    let destinationDescription = $("#destination-description").val();
    let alltrue=0

    alltrue+=  checkRegularExpression(reDestinationName, destinationName, "Destination
name must be between 2 and 50 characters long with only letters.", 'destination-name-
span');
    alltrue+=  checkRegularExpression(reDestinationDescription, destinationDescription,
"Destination description must be at least 10 characters long.", 'destination-description-
span');

    return alltrue==2;
  }

  function sendInsertDestinationRequest(){
    if(checkAllInsertDestinationFields()){
      let destinationName = $("#destination-name").val().toLowerCase();
      let destinationDescription = $("#destination-description").val();
      let data = {
        "destinationName": destinationName,
        "destinationDescription": destinationDescription
      };

      $.ajax({
        "url": "../../models/insertDestination.php",
        "method": "post",
        "data" : data,
        success: function(response){
          $("#insert-span").text("Successfully inserted Destination. Insert another one?");
          $("#insert-span").css('padding', '5px');
          if($("#select-table-to-show #table-select").val()=="destinations" || $("#select-
table-to-show #table-select").val()=="destination_informations"){
            writeTable($("#select-table-to-show #table-select").val())
          }
        },
        error: function(xhr){
          if(xhr.status==422){
            writeErrors(JSON.parse(xhr.responseText).errors, "insert-span");
          } else {
            $("#insert-span").text("Unexpected error. Contact support.");
            $("#insert-span").css('padding', '5px');
          }
        }
      });
    } else{
      $("#insert-span").text("All information must be entered correctly!");
      $("#insert-span").css('padding', '5px');
    }
  }

  function insertDestination(){
    let inputId = ['destination-name'];
    let inputLabelText = ['Enter destination name: *'];
    let inputPlaceholderText = [''];
    let inputSpanId = ['destination-name-span'];
    let inputSpanText = [''];

    let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId,
inputSpanText, inputId.length);

    html += `
      <div class="form-input-element">
      <label for="destination-description">Enter the destination description: *</label>
      <input type="textarea"  id="destination-description" name="destination-
description"/>
      <span id="destination-description-span"></span>
      </div>
    `;
    html= insertPopupButtons(html, "destination");


    $("#insert-form").html(html);
    addPopupButtonListeners();

    $("#insert-form .form-input-element input").blur(function(){
        checkAllInsertDestinationFields();
    });

    $("#insert-destination").click(()=>{
        sendInsertDestinationRequest();
    })
}

//endregion Insert Destinacije
//region Insert Slika Destinacije

function checkAllInsertDestinationImageFields(){
    let reDestinationImageSrc = /^([a-zA-Z1-9_.]){3,50}$/;
    let reDestinationImageAlt = /^([a-zA-Z1-9 ]){2,50}$/;

    let destinationImageSrc = $("#destination-image-src").val().toLowerCase();
    let destinationImageAlt = $("#destination-image-alt").val();
    let destinationId = $("#destination-select").val();
    let alltrue=0

    if($("#destination-image")[0].files.length==1){
        alltrue+= 1;

        $("#destination-image-span").html(" ");
        $("#destination-image-span").css("padding", "0px");
    } else{
        writeErrors(["You must upload a picture."], "destination-image-span");
    }
    if(destinationId!="default") {
        alltrue+= 1;

        $("#destination-select-span").html(" ");
        $("#destination-select-span").css("padding", "0px");
    } else{
        writeErrors(["You must chose an activity!"], "activity-select-span");
    }
    alltrue+=  checkRegularExpression(reDestinationImageSrc, destinationImageSrc, "Only letters, underscores, dots and numbers allowed. Length is 3-50.", 'destination-image-src-span');
    alltrue+=  checkRegularExpression(reDestinationImageAlt, destinationImageAlt, "Only letters and numbers allowed, with spaces. Length is 2-50.", 'destination-image-alt-span');

    return alltrue==4;
  }

  function sendInsertDestinationimageRequest(){
    if(checkAllInsertDestinationImageFields()){
      $("#insert-form").attr("action", "../../models/uploadDestinationPicture.php");
      $("#insert-form").submit();

    } else{
      $("#insert-span").text("All information must be entered correctly!");
      $("#insert-span").css('padding', '5px');
    }
  }

  function insertDestinationImages(infos){
    let inputId = ['destination-image-src', 'destination-image-alt'];
    let inputLabelText = ['Enter image src: *', 'Enter image alt: *'];
    let inputPlaceholderText = ['Just the name of picture, no .jpg .', 'Name of the destination, capital letter.'];
    let inputSpanId = ['destination-image-src-span', 'destination-image-alt-span'];
    let inputSpanText = ['', ''];

    let html = insertTextInput(inputId, inputLabelText, inputPlaceholderText, inputSpanId, inputSpanText, inputId.length);

    html+=`
      <div class="form-input-element">
      <label for="image">Upload your image here: *</label>
      <input type="file"  id="destination-image" name="destination-image"/>
      <span id="destination-image-span"></span>
      </div>
    `;

    let optionValue = [];
    let optionText = [];

    for(let info of infos){
      optionValue.push(info.id);
      optionText.push(info.name);
    }

    html+= insertSelectinput("destination-select", "destination-select-span", "Select the
destination information: ", optionValue, optionText, optionText.length);


    html=insertPopupButtons(html, "destination-image");

    $("#insert-form").html(html);
    addPopupButtonListeners();

    $("#insert-form .form-input-element input").blur(function(){
      checkAllInsertDestinationImageFields();
    });

    $("#insert-form .form-input-element #destination-select").change(function(){
      checkAllInsertDestinationImageFields();
    });

    $("#insert-destination-image").click(()=>{
      sendInsertDestinationimageRequest();
    });
  };

  //endregion Insert Slika Destinacije
  //END INSERT PODATAKA

  //endregion
  //End Admin Panel

  //Make A Reservation
  //region


  function addReservationSelectDestinationListener(){
    $("#select-reservation-destination").change(()=>{
      let destinationId=$("#select-reservation-destination").val();
      if(destinationId!="default"){
        $.ajax({
          "url":"../../models/getDestinations.php",
          "method":"get",
          success: function(response){
            $("#reservation-destination-carousel").remove();
```

```
               writeReservationDestinationInput(destinationId, response.destinations);
            },
            error: function(xhr){

            }
         });
      } else{
         $("#reservation-destination-carousel").remove();
         $("#reservation-inputs-holder .reservation-input-holder")[1].remove();
         $("#reservation-inputs-holder .reservation-input-holder")[1].remove();
         $("#reservation-inputs-holder hr")[0].remove();
         $("#reservation-inputs-holder hr")[0].remove();
         $("#submit-reservation-holder").html("");
      }
   })
}

function addReservationSelectHotelDateListener(){
   $.ajax({
      "url":"../../models/getDestinations.php",
      "method":"get",
      success: function(response){
         $("#select-reservation-travel-date").change(()=>{
            getSubmitReservationRequestButton(response.destinations);
         })

         $("#select-reservation-hotel").change(()=>{
            getSubmitReservationRequestButton(response.destinations);
         })
      },
      error: function(xhr){

      }
   });

}

function addReservationSubmitRequestListener(){
   $("#reservation-submit-request").click(()=>{
      sendReservationRequest();
   })
}
addReservationSelectDestinationListener();
```

```
    function sendReservationRequest(){
        let destinationId = $("#select-reservation-destination").val();
        let hotelId = $("#select-reservation-hotel").val();
        let travelDateId = $("#select-reservation-travel-date").val();
        let travelPrice = localStorage.getItem("travelPrice");
        let data={
            destinationId,
            hotelId,
            travelPrice,
            travelDateId
        }

        $.ajax({
            "url":"../../models/insertReservation.php",
            "method":"post",
            data,
            success: function(response){
                $("#reservation-submit-request-span").html("You have successfully made a
reservation.")
            },
            error: function(xhr){
                if(xhr.status==403){
                    writeErrors(JSON.parse(xhr.responseText).errors, "reservation-submit-request-
span");
                } else if(xhr.status==422){
                    writeErrors(JSON.parse(xhr.responseText).errors, "reservation-submit-request-
span");
                } else{
                    $("#reservation-submit-request-span").html("An unexpected error has occured,
please contact support.<br/>"+xhr.responseText);
                }
            }
        });

    }
    function getReservationSelectDestinationInputHtml(destinations, id){
        let html=`
            <div class="reservation-input-holder">
                <label for="select-reservation-destination">Select your destination: </label>

                <select id="select-reservation-destination" name="select-reservation-destination">
                    <option value="default">Select destination: </option>
                    `;
                    for(destination of destinations){
                        html+=`<option value="${destination.id}"
${destination.id==id?"selected":""}>${destination.name}</option>`;
                    }
                    html+=`
                </select>
            </div>
        `;

        return html;
    }

    function getReservationSelectHotel(destinations, destinationId){
        let destination;
        for (let dest of destinations){
            if(dest.id==destinationId) {
                destination=dest;
            }
        }

        let html=`
            <div class="reservation-input-holder">
                <label for="select-reservation-hotel">Select your hotel: </label>

                <select id="select-reservation-hotel" name="select-reservation-hotel">
                    <option value="default">Select hotel: </option>
                    `;

                    for(hotel of destination.hotels){
                        html+=`<option value="${hotel.id}"}>${hotel.name} ${hotel.stars}* -
${hotel.price_per_night}€</option>`;
                    }
                    html+=`
                </select>
            </div>
        `;

        return html;
    }

    function getReservationSelectTravelDate(destinations, destinationId){
        let destination;
        for (let dest of destinations){
            if(dest.id==destinationId) {
```

```
        destination=dest;
      }
    }

    let html=`
      <div class="reservation-input-holder">
        <label for="select-reservation-travel-date">Select your travel date: </label>

        <select id="select-reservation-travel-date" name="select-reservation-travel-date">
          <option value="default">Select travel date: </option>
          `;

          for(date of destination.travel_dates){
            html+=`<option value="${date.id}"}>${date.travel_beginning} until
${date.travel_ending}</option>`;
          }
          html+=`
        </select>
      </div>
    `;

    return html;
  }

  function getSubmitReservationRequestButton(destinations){
    let travelDateId =$("#select-reservation-travel-date").val();
    let hotelId = $("#select-reservation-hotel").val();
    let destinationId = $("#select-reservation-destination").val();
    let hotel;
    let travelDate;

    if(travelDateId!="default" && hotelId!="default"){
      let destination;
      for (let dest of destinations){
        if(dest.id==destinationId) {
          destination=dest;
        }
      }

      for (let selectedHotel of destination.hotels){
        if(hotelId==selectedHotel.id){
          hotel = selectedHotel;
        }
      }
      for (let selectedDate of destination.travel_dates){
        if(travelDateId==selectedDate.id){
          travelDate = selectedDate;
        }
      }

      let travelDays = (Date.parse(travelDate.travel_ending)-Date.parse(travelDate.travel_beginning))/(1000*60*60*24);
      let travelPrice = travelDays*hotel.price_per_night+destination.travel_price.price;
      localStorage.setItem("travelPrice", travelPrice);

      let html = `
      <label for="reservation-submit-request">Your total price is: <span id="trip-price">${travelPrice}€</span></label>
      <input type="button" id="reservation-submit-request" value="Make a reservation now"/>
      <span id="reservation-submit-request-span"></span>
      `;

      $("#submit-reservation-holder").html(html);
      addReservationSubmitRequestListener();
    } else{
      let html=`
      <label>You must select both a hotel and a travel date before making a reservation.</label>
      `;

      $("#submit-reservation-holder").html(html);
    }

  }

  function getReservationSelectDestinationCarousel(destinations, destinationId){
    let destination;
    let i=0;
    for (let dest of destinations){
      if(dest.id==destinationId) {
        destination=dest;
      }
    }

    let html=`
      <div id="reservation-destination-carousel">
      <div class="carousel slide" data-bs-ride="carousel">
      <div class="carousel-inner">
    `;

    for(let image of destination.information_images){
      html+=`
        <div class="carousel-item ${i++==0?'active':''}">
        <img src="../../assets/images/Destinations/${destination.name}/${image.src}.jpg"
class="d-block w-100" alt="${image.alt}">
        </div>
      `;
    }

    html+=`
      </div>
      </div>
      </div>
    `;

    return html;
  }

  function writeReservationDestinationInput(destinationId, destinations){

    let html=getReservationSelectDestinationInputHtml(destinations, destinationId);
    html+="<hr/>";
    html+=getReservationSelectHotel(destinations, destinationId);
    html+="<hr/>";
    html+=getReservationSelectTravelDate(destinations, destinationId);
    $("#reservation-inputs-holder").html(html);

    html=getReservationSelectDestinationCarousel(destinations, destinationId);
    $("#reservation-select-region-holder").html($("#reservation-select-region-
holder").html()+html);

    addReservationSelectDestinationListener();

    $("#reservation-destination-carousel .carousel").carousel({
      interval: 3000
    });

    addReservationSelectHotelDateListener();

    html=`
```

```
        <label>You must select both a hotel and a travel date before making a reservation.
</label>
        `;

        $("#submit-reservation-holder").html(html);

    }

    //endregion
    //END Make A Reservation

    //Show Reservations

    if(getUrlPath()=="showReservations.php"){
        writeTable("showReservations");
    }


    //END Show Reservations

    //SHOW STATISTICS

    if(getUrlPath()=="admin.php"){

        $.ajax({
            "url":"../../models/showPagesActivity.php",
            "method":"get",
            success: function(response){
                let table=response.table;

                //WRITE TABLE
                let text = `<table><thead><tr>`;
                if (table != false) {

                    columns = Object.keys(table[0]);
                    for ( let column of columns) {
                        text += `<th>` + column + `</th>`;
                    }

                    for (let row of table) {
                        text += "<tr>"

                        for (let column of columns) {
                            text += `<td>` + row[column] + `</td>`;
                        }

                        text += `</tr>`
                    }

                    text += `</tbody></table>`;

                    $("#statistics").html(text);
                } else {
                    text = "There are no items to show.";
                    $("#statistics").html(text)
                }
            },
            error: function(xhr){

            }
        })

    }

    //END SHOW STATISTICS
});
```

5.2 config

5.2.1 .env

```
DBNAME=berix_agency
SERVER=localhost
USERNAME=root
PASSWORD=
```

5.2.2 config.php

```
<?php

define("ABSOLUTE_PATH", $_SERVER["DOCUMENT_ROOT"]."/Berix - Agency Praktikum PHP");

define("ENV_FAJL", ABSOLUTE_PATH."/config/.env");
define("LOG_FAJL", ABSOLUTE_PATH."/data/log.txt");

define("SERVER", env("SERVER"));
define("DATABASE", env("DBNAME"));
define("USERNAME", env("USERNAME"));
define("PASSWORD", env("PASSWORD"));

function env($name){
   $data = file(ENV_FAJL);
   foreach($data as $row){
      $values = explode("=", $row);
      if($name==$values[0]) return (trim($values[1]));
   }
}
```

5.2.3 connection.php

```
<?php

require_once ("config.php");
require_once (ABSOLUTE_PATH."/models/functions.php");

try {
   $conn = new PDO("mysql:host=".SERVER.";dbname=".DATABASE.";charset=utf8",
USERNAME, PASSWORD);
   $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_OBJ);
   $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
}
catch(PDOException $ex){
   echo $ex->getMessage();
}

function executeQuery($query){
   global $conn;
   return $conn->query($query)->fetchAll();
}

function executeQueryOneRow($query){
   global $conn;
   return $conn->query($query)->fetch();
}

?>
```

5.3 data (sadrzi i bazu podataka kao backup, za svaki slucaj)

5.3.1 logAccessedPages.txt (napisacu samo par linija)

```
admin.php  admin@admin.com      1660658447
index.php  admin@admin.com      1660658448
admin.php  admin@admin.com      1660658449
author.php admin@admin.com      1660658450
admin.php  admin@admin.com      1660658451
showReservations.php     admin@admin.com      1660658455
admin.php  admin@admin.com      1660658456
admin.php  admin@admin.com      1660658517
admin.php  anonymous     1660658774
index.php  anonymous     1660658774
```

5.3.2 logSuccessfullLogin.php (napisacu samo par linija)

```
14  ::1      1660658809
14  ::1      1660659992
```

5.3.3 logUnsuccessfullLogin (napisacu samo par linija)

```
14   ::1        1660640059
14   ::1        1660640076
14   ::1        1660640077
14   ::1        1660658782
```

5.4 models

5.4.1 contact.php

```
<?php
session_start();
include("../config/connection.php");

$errors = [];

if(!isset($_GET["message"])||empty($_GET["message"])){
   array_push($errors, "Message can't be empty.");
   exitWithError(422, $errors);
}

$message= $_GET["message"];
$isLoggedIn = false;

if(isset(($_SESSION["user"]))&&!empty($_SESSION["user"])) $isLoggedIn = true;

if($isLoggedIn && $_GET["email"]==""){
   $email = $_SESSION["user"]->email;
} elseif($_GET["email"]==""){
   $email = 'anonymous';
}
else{

   $email=$_GET["email"];
   $reEmail = "/(?:[a-z0-9!#$%&'*+\/=?^_`{|}~-]+(?:\.[a-z0-9!#$%&'*+\/=?^_`{|}~-
]+)*|\"(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21\x23-\x5b\x5d-\x7f]|\\[\x01-\x09\x0b\x0c\x0e-
\x7f])*\")@(?:(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-9](?:[a-z0-9-]*[a-z0-
9])?|\[(?:(?:(2(5[0-5]|[0-4][0-9])|1[0-9][0-9]|[1-9]?[0-9]))\.){3}(?:(2(5[0-5]|[0-4][0-9])|1[0-
9][0-9]|[1-9]?[0-9])|[a-z0-9-]*[a-z0-9]:(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-
\x7f]|\\[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/";
   if(!preg_match($reEmail, $email)) array_push($errors, "Email format is not valid");
}

$reMessage = "/^[\w .,!?:;]{2,200}$/";
if(!preg_match($reMessage, $message)) array_push($errors, "Your message is too short or
too long, or you have used forbidden characters.");

if(count($errors)==0){

  if(!insertContactMessage($email, $message)){
   array_push($errors, "Could not insert into database. Contact support");
```

```
    exitWithError(422, $errors);
   }

}else{
    exitWithError(422, $errors);
}
```

5.4.2 deleteRow.php

```
<?php

include("../config/connection.php");

$table = $_POST["table"];

if($table=="showReservations"){
   $table="reservations";
}
$id = $_POST["id"];
$bool = deleteRow($table, $id);

if($bool){
   header("Content-Type: application/json");
   http_response_code(200);
   echo json_encode(["isSuccessfull"=>true]);
} else {
   header("Content-Type: application/json");
   http_response_code(422);
   echo json_encode(["isSuccessfull"=>false]);
}
```

5.4.3 functions.php

```
<?php

function exitWithError($status, $errors){
   http_response_code($status);
   echo json_encode(["errors"=>$errors]);
   die();
}

function getNavMenuItems(){
   $query = "SELECT * FROM nav_menu_items";
   $navMenuItems = executeQuery($query);
   return $navMenuItems;
}

function getFooterLinks(){
   $query = "SELECT * FROM footer_links";
   $footerLinks = executeQuery($query);
   return $footerLinks;
}

function userExists($email){
   global $conn;
   $query = "SELECT * FROM users WHERE email = :email";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":email", $email);
   $prepare->execute();
   return $prepare->fetch();
}

function insertUser($email, $password, $firstName, $lastName, $phoneNumber){
   global $conn;
   $query = "INSERT INTO users(first_name, last_name, email, password, phone_number,
role_id) VALUES (:firstName, :lastName, :email, :password, :phoneNumber, 2);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":email", $email);
   $prepare->bindParam(":lastName", $lastName);
   $prepare->bindParam(":firstName", $firstName);
   $prepare->bindParam(":phoneNumber", $phoneNumber);
   $prepare->bindParam(":password", md5($password));
   return $prepare->execute();
}
```

```
function insertContactMessage($email, $message){
   global $conn;
   $query = "INSERT INTO contact_messages(email, message) VALUES (:email, :message);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":email", $email);
   $prepare->bindParam(":message", $message);
   return $prepare->execute();
}

function getDestinations(){
   global $conn;
   $query = "SELECT * FROM destinations";
   $destinations = executeQuery($query);

   foreach($destinations as $destination){
      $destination->hotels=getDestinationHotels($destination->id);

      $destination->travel_dates=getDestinationTravelDates($destination->id);

      $destination->activities=getDestinationActivities($destination->id);
      foreach($destination->activities as $activity){
         $activity->images = getDestinationActivityImages($activity->id);
      }

      $destination->travel_price = getDestinationTravelPrice($destination->id);

      $destination->information = getDestinationInformation($destination->id);
      $destination->information_images = getDestinationInformationImages($destination-
>information->id);

      $travelDays = [];
      $hotelPrices = [];
      foreach($destination->travel_dates as $travelDate){
         array_push($travelDays, (strtotime($travelDate->travel_ending)-
strtotime($travelDate->travel_beginning))/(60 * 60 * 24));
      }
      $travelDays=min($travelDays);
      foreach ($destination->hotels as $hotel){
         array_push($hotelPrices, $hotel->price_per_night);
      }
      $hotelPrices=min($hotelPrices);
      $cheapestTripPrice=$hotelPrices*$travelDays+$destination->travel_price->price;
      $destination->cheapest_trip_price=$cheapestTripPrice;
   }

   return $destinations;
}

function getDestinationHotels($destinationId){
   $query = "SELECT h.id, h.name, h.price_per_night, h.stars FROM destination_hotels d
INNER JOIN hotels h ON d.hotel_id = h.id WHERE d.destination_id = ".$destinationId.";";
   $hotels = executeQuery($query);
   return $hotels;
}

function getDestinationTravelDates($destinationId){
   $query = "SELECT d.id, d.travel_beginning, d.travel_ending FROM travel_dates d INNER
JOIN destination_travel_dates t ON d.id = t.travel_date_id WHERE t.destination_id =
".$destinationId.";";
   $travelDates = executeQuery($query);
   return $travelDates;
}

function getDestinationActivities($destinationId){
   $query = "SELECT a.id, a.name, a.description FROM activities a INNER JOIN
destination_activities d ON d.activity_id = a.id WHERE d.destination_id =
".$destinationId.";";
   $activities = executeQuery($query);
   return $activities;
}

function getDestinationActivityImages($activityId){
   $query = "SELECT i.id, i.src, i.alt FROM activities a INNER JOIN activity_images i ON
i.activity_id = a.id WHERE a.id = ".$activityId.";";
   $images = executeQuery($query);
   return $images;
}

function getDestinationTravelPrice($destinationId){
   $query = "SELECT t.id, t.price FROM travel_prices t INNER JOIN destinations d ON
t.destination_id = d.id WHERE d.id = ".$destinationId.";";
   $travelPrice = executeQueryOneRow($query);
   return $travelPrice;
}

function getDestinationInformation($destinationId){
    $query = "SELECT i.id, i.description FROM destination_informations i INNER JOIN
destinations d ON d.destination_information_id = i.id WHERE d.id = ".$destinationId.";";
    $info = executeQueryOneRow($query);
    return $info;
}


function getDestinationInformationAll(){
    $query = "SELECT id FROM destination_informations;";
    $info = executeQuery($query);
    return $info;
}

function getDestinationInformationImages($infoId){
    $query = "SELECT images.id, images.src, images.alt FROM destination_informations i
INNER JOIN destination_information_images images ON i.id =
images.destination_informations_id WHERE i.id = ".$infoId.";";
    $images = executeQuery($query);
    return $images;
}

function getTable($table){
    $query = "SELECT * FROM ".$table." ORDER BY id";
    return executeQuery($query);
}

function getReservations($userId){
    $query = "SELECT r.id, d.name AS 'Destination:', h.name AS 'Hotel:', t.travel_beginning AS
'Travel start:', t.travel_ending AS 'Travel end:', r.price AS 'Total Price:'
    FROM reservations r
        INNER JOIN destinations d ON r.destination_id=d.id
        INNER JOIN travel_dates t ON r.travel_dates_id=t.id
        INNER JOIN hotels h ON r.hotel_id=h.id
        WHERE r.user_id=".$userId.";";
    return executeQuery($query);
}

function getTableWithSearch($table, $column, $term){
    global $conn;
    $query = 'SELECT * FROM '.$table.' WHERE '.$column.' LIKE "%'.$term.'%"';
    $table = executeQuery($query);
    return $table;
}
```

```
function deleteRow($table, $id){
   global $conn;
   $query = "DELETE FROM ".$table." WHERE id=:id;";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":id", $id);
   try{
      return $prepare->execute();
   }
   catch(PDOException $ex){
      return false;
   }
}

function getActivities(){
   $query = "SELECT id, name FROM activities";
   return executeQuery($query);
}

function insertHotel($hotelName, $pricePerNight, $stars){
   global $conn;
   $query = "INSERT INTO hotels(name, price_per_night, stars) VALUES (:hotelName,
:pricePerNight, :stars);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":hotelName", $hotelName);
   $prepare->bindParam(":pricePerNight", $pricePerNight);
   $prepare->bindParam(":stars", $stars);
   return $prepare->execute();
}

function connectHotelDestination($destinationId){
   //Select last inserted hotel
   $query = "SELECT * FROM hotels ORDER BY id DESC LIMIT 1";
   $hotel= executeQueryOneRow($query);
   $hotelId = $hotel->id;

   //Connect hotel to destinaton
   global $conn;
   $query = "INSERT INTO destination_hotels(destination_id, hotel_id)
VALUES(:destinationId, :hotelId)";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":destinationId", $destinationId);
   $prepare->bindParam(":hotelId", $hotelId);
   return $prepare->execute();
}
```

```
function connectActivityDestination($destinationId){
   //Select last inserted activity
   $query = "SELECT * FROM activities ORDER BY id DESC LIMIT 1";
   $activity= executeQueryOneRow($query);
   $activityId = $activity->id;

   //Connect hotel to destinaton
   global $conn;
   $query = "INSERT INTO destination_activities(destination_id, activity_id)
VALUES(:destinationId, :activityId)";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":destinationId", $destinationId);
   $prepare->bindParam(":activityId", $activityId);
   return $prepare->execute();
}

function insertActivity($activityName, $activityDescription){
   global $conn;
   $query = "INSERT INTO activities(name, description) VALUES (:activityName,
:activityDescription);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":activityName", $activityName);
   $prepare->bindParam(":activityDescription", $activityDescription);
   return $prepare->execute();
}

function uploadActivityImage($src, $alt, $activityId){
   global $conn;
   $query = "INSERT INTO activity_images(src, alt, activity_id) VALUES (:src, :alt,
:activity_id);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":src", $src);
   $prepare->bindParam(":alt", $alt);
   $prepare->bindParam(":activity_id", $activityId);
   return $prepare->execute();
}

function uploadDestinationImage($src, $alt, $destinationId){
   //Get Destination Information
   $destinationInformationId = getDestinationInformation($destinationId);
   $destinationInformationId = $destinationInformationId->id;

   global $conn;
```

```
  $query = "INSERT INTO destination_information_images(src, alt,
destination_informations_id) VALUES (:src, :alt, :destinationInformationId);";
  $prepare = $conn->prepare($query);
  $prepare->bindParam(":src", $src);
  $prepare->bindParam(":alt", $alt);
  $prepare->bindParam(":destinationInformationId", $destinationInformationId);
  return $prepare->execute();
}

function insertDestination($destinationName, $destinationDescription){
  //Insert destination description
  global $conn;
  $query="INSERT INTO destination_informations(description) VALUES
(:destinationDescription)";
  $prepare = $conn->prepare($query);
  $prepare->bindParam(":destinationDescription", $destinationDescription);
  $prepare->execute();

  //Get the inserted destination id
  $query="SELECT * FROM destination_informations ORDER BY id DESC LIMIT 1";
  $destinationInformation = executeQueryOneRow($query);
  $destinationInformationId = $destinationInformation->id;

  //Insert destination
  $query="INSERT INTO destinations(name, destination_information_id) VALUES
(:destinationName, :destinationInformationId);";
  $prepare = $conn->prepare($query);
  $destinationName = ucfirst($destinationName);
  $prepare->bindParam(":destinationName", $destinationName);
  $prepare->bindParam(":destinationInformationId", $destinationInformationId);
  return $prepare->execute();
}

function checkIfDestinationAlreadyHasAssociatedPrice($destinationId){
  global $conn;
  $query = "SELECT * FROM travel_prices WHERE destination_id = :destinationId";
  $prepare = $conn->prepare($query);
  $prepare->bindParam(":destinationId", $destinationId);
  $prepare->execute();
  $travel_price = $prepare->fetch();

  return $travel_price;
}
```

```
function getDestinationsIdName(){
   $query="SELECT id, name FROM destinations";
   return executeQuery($query);
}

function insertTravelPrice($travelPrice, $destinationId){
   global $conn;
   $query = "INSERT INTO travel_prices(price, destination_id) VALUES (:travelPrice,
:destinationId);";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":travelPrice", $travelPrice);
   $prepare->bindParam(":destinationId", $destinationId);
   return $prepare->execute();
}

function insertTravelDate($travelDateBeginning, $travelDateEnding, $destinationId){
   //Insert travel date
   global $conn;
   $query="INSERT INTO travel_dates(travel_beginning, travel_ending) VALUES
(:travelDateBeginning, :travelDateEnding);";
   $prepare=$conn->prepare($query);
   $prepare->bindParam(":travelDateBeginning", $travelDateBeginning);
   $prepare->bindParam(":travelDateEnding", $travelDateEnding);
   $isSuccessfull = $prepare->execute();

   //If destination is sent connect date to destination
   if($destinationId!="default" && $isSuccessfull){

      //Get the id of previously inserted date
      $query = "SELECT * FROM travel_dates ORDER BY id DESC LIMIT 1";
      $travelDate = executeQueryOneRow($query);
      $travelDateId = $travelDate->id;

      //Connect date to destination
      $query = "INSERT INTO destination_travel_dates(travel_date_id, destination_id)
VALUES (:travelDateId, :destinationId);";
      $prepare=$conn->prepare($query);
      $prepare->bindParam(":travelDateId", $travelDateId);
      $prepare->bindParam(":destinationId", $destinationId);
      return $prepare->execute();
   }

   return true;
}
```

```
function insertReservation($destinationId, $hotelId, $userId, $travelDateId, $travelPrice){
   global $conn;

   $query = "INSERT INTO reservations (destination_id, hotel_id, travel_dates_id, user_id,
price) VALUES (:destinationId, :hotelId, :travelDateId, :userId, :travelPrice)";
   $prepare = $conn->prepare($query);
   $prepare->bindParam(":destinationId", $destinationId);
   $prepare->bindParam(":hotelId", $hotelId);
   $prepare->bindParam(":travelDateId", $travelDateId);
   $prepare->bindParam(":userId", $userId);
   $prepare->bindParam(":travelPrice", $travelPrice);

   try{
      return $prepare->execute();
   }
   catch(PDOException $ex){
      return false;
   }
}

function writeUnsuccessfullLoginAttempt($userId, $hostAddress){

   $file =fopen("../data/logUnsuccessfullLogin.txt", "a");
   $stringToWrite = $userId."\t".$hostAddress."\t".time()."\n";
   fwrite($file, $stringToWrite);
   fclose($file);
}

function writeSuccessfullLoginAttempt($userId, $hostAddress){

   $file =fopen("../data/logSuccessfullLogin.txt", "a");
   $stringToWrite = $userId."\t".$hostAddress."\t".time()."\n";
   fwrite($file, $stringToWrite);
   fclose($file);
}

function getUniqueLoggedInUsers(){
   $file =file("../../data/logSuccessfullLogin.txt");
   $users = [];
   $numberOfUsers = 0;
   $currentTime = time();

   foreach($file as $row){
        $newRow = explode("\t", $row);

        if(($currentTime - (int)$newRow[2])<(24*60*60)){
            if(!in_array($newRow[0], $users)){
                array_push($users, $newRow[0]);
                $numberOfUsers++;
            }
        }
    }

    return $numberOfUsers;

}

function checkIfTooManyLoginTries($userId, $timeSpan, $numberOfTimesToLockAccount){
    $file =file("../data/logUnsuccessfullLogin.txt");
    $encounters = 0;
    $currentTime = time();

    foreach($file as $row){
        $newRow = explode("\t", $row);

        if(($currentTime-$newRow[2])<$timeSpan){
            if($newRow[0]==$userId){
                $encounters++;
            }
        }
    }

    if($encounters>($numberOfTimesToLockAccount-1)){
        return true;
    }
    return false;
}

function updateLockedStatus($userId){
    $query="UPDATE users SET locked=true WHERE id=".$userId.";";
    executeQuery($query);
}

function writeAccessedPage($page, $userEmail){
    $file = fopen("../../data/logAccessedPages.txt", "a");
    $stringToWrite = $page."\t".$userEmail."\t".time()."\n";
    fwrite($file, $stringToWrite);
```

```
   fclose($file);
}

function getAccessedPages(){
   $file = file("../data/logAccessedPages.txt");
   $pages = [];
   $occurences = [];
   $percentages = [];
   $data = [];

   //get unique page names
   foreach($file as $row){
      $pageTitle = explode("\t", $row)[0];
      if(!in_array($pageTitle, $pages)) array_push($pages, $pageTitle);
   }

   //initialise occurences so they can be incremented
   $numberOfPages = count($pages);
   for($i=0;$i<$numberOfPages;$i++){
      $occurences[$i]=0;
   }

   //increment occurences
   for($i=0;$i<$numberOfPages;$i++){
      foreach($file as $row){
         $pageTitle = explode("\t", $row)[0];
         if($pages[$i]==$pageTitle){
            $occurences[$i]++;
         }
      }
   }

   //get percentages
   $total = 0;
   for($i=0;$i<$numberOfPages;$i++){
      $total+=$occurences[$i];
   }

   for($i=0;$i<$numberOfPages;$i++){
      $percentages[$i]=round($occurences[$i]/$total*100, 0);
   }

   for($i=0;$i<$numberOfPages;$i++){
        array_push($data, [ "Pages"=>$pages[$i], "Times Visited"=>$occurences[$i], "Times Visited In %"=>$percentages[$i] ]);
    }

    return $data;
}
```

5.4.4 getActivities.php

```
<?php

include("../config/connection.php");

$activities = getActivities();

header("Content-Type: application/json");
echo json_encode(["activities"=>$activities]);
```

5.4.5 getDestinationInformations.php

```
<?php

include("../config/connection.php");

$info = getDestinationInformationAll();

header("Content-Type: appication/json");
echo json_encode(["info"=>$info]);
```

5.4.6 getDestinations.php

```
<?php

include("../config/connection.php");

$destinations = getDestinations();

header("Content-Type: appication/json");
echo json_encode(["destinations"=>$destinations]);
```

5.4.7 getDestinationsIdName.php

```
<?php

include("../config/connection.php");

$destinations = getDestinationsIdName();

header("Content-Type: appication/json");
echo json_encode(["destinations"=>$destinations]);
```

5.4.8 getSpecificDestination.php

```
<?php

include("../config/connection.php");

$destinations = getDestinations();

$idToSearch = $_GET["id"];

foreach($destinations as $destination){
    if ($destination->id == $idToSearch) {
        header("Content-Type: application/json");
        echo json_encode(["destination"=>$destination]);
        }
}
```

5.4.9 getTable.php

```
<?php

session_start();

include("../config/connection.php");

$tableName = $_GET["table"];

if($tableName=="showReservations"){
   $table=getReservations($_SESSION["user"]->id);

} else{
   $table=getTable($tableName);
}
header("Content-Type: application/json");
echo json_encode(["table"=>$table]);
```

5.4.10 insertActivity.php

```
<?php

include("../config/connection.php");

$errors = [];

if(!isset($_POST["activityName"])||empty($_POST["activityName"])){
   array_push($errors, "Activity name is empty.");
}

if(!isset($_POST["activityDescription"])||empty($_POST["activityDescription"])){
   array_push($errors, "Activity description is empty.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

$reActivityName = "/^([a-zA-Z ]){2,50}$/";
$reActivityDescription = "/^(.){10,}$/";

$activityName = $_POST["activityName"];
$activityDescription = $_POST["activityDescription"];
$destinationId = $_POST["destinationId"];

if(!preg_match($reActivityName, $activityName)){
   array_push($errors, "Activity name must be between 2 and 50 characters long with only
letters.");
}

if(!preg_match($reActivityDescription, $activityDescription)){
   array_push($errors, "Description can't be empty, or shorter then 10 characters.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(insertActivity($activityName, $activityDescription)){
   if($destinationId!="default"){
      if(connectActivityDestination($destinationId)){
         http_response_code(201);
```

```
            echo("Success");
            die();
        }else{
            http_response_code(500);
            echo("Error");
            die();
        };
    }

    http_response_code(201);
    echo("Success");
}else{
    http_response_code(500);
    echo("Error");
};
```

5.4.11 insertDestination.php

```
<?php

include("../config/connection.php");

$errors = [];

if(!isset($_POST["destinationName"])||empty($_POST["destinationName"])){
   array_push($errors, "Destination name is empty.");
}

if(!isset($_POST["destinationDescription"])||empty($_POST["destinationDescription"])){
   array_push($errors, "Destination description is empty.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

$reDestinationName = "/^([a-zA-Z ]){2,50}$/";
$reDestinationDescription = "/^(.){10,}$/";

$destinationName = $_POST["destinationName"];
$destinationDescription = $_POST["destinationDescription"];

if(!preg_match($reDestinationName, $destinationName)){
   array_push($errors, "Destination name must be between 2 and 50 characters long with
only letters.");
}

if(!preg_match($reDestinationDescription, $destinationDescription)){
   array_push($errors, "Description can't be empty, or shorter then 10 characters.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(insertDestination($destinationName, $destinationDescription)){
   http_response_code(201);
   echo("Success");
}else{
   http_response_code(500);
```

```
    echo("Error");
};
```

5.4.12 insertHotel.php

```
<?php

include("../config/connection.php");

$errors = [];

if(!isset($_POST["hotelName"])||empty($_POST["hotelName"])){
   array_push($errors, "Hotel name is empty.");
}

if(!isset($_POST["pricePerNight"])||empty($_POST["pricePerNight"])){
   array_push($errors, "Hotel price is empty.");
}

if(!isset($_POST["stars"])||empty($_POST["stars"])){
   array_push($errors, "The number of hotel stars is empty.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

$rePricePerNight = "/^[1-9][0-9]*(\.[0-9]([1-9]?))?$/";
$reHotelName = "/^([a-zA-Z ]){2,50}$/";
$reStars = "/^[1-5]$/";

$hotelName = $_POST["hotelName"];
$pricePerNight = $_POST["pricePerNight"];
$stars = $_POST["stars"];
$destinationId = $_POST["destinationId"];

if(!preg_match($rePricePerNight, $pricePerNight)){
   array_push($errors, "Hotel price must be in XY[.Z[V]] format.");
}

if(!preg_match($reHotelName, $hotelName)){
   array_push($errors, "Hotel name must be between 2 and 50 characters long with only
letters.");
}

if(!preg_match($reStars, $stars)){
   array_push($errors, "Number of stars must be between 1 and 5.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}


if(insertHotel($hotelName, $pricePerNight, $stars)){
   if($destinationId!="default"){
      if(connectHotelDestination($destinationId)){
         http_response_code(201);
         echo("Success");
         die();
      }else{
         http_response_code(500);
         echo("Error");
         die();
      };
   }

   http_response_code(201);
   echo("Success");
}else{
   http_response_code(500);
   echo("Error");
};
```

5.4.13 insertReservation.php

```
<?php

session_start();

include("../config/connection.php");

if(!isset($_SESSION["user"])||empty($_SESSION["user"])){
    exitWithError(403, ["You must be logged in in order to make a reservation."]);
}

$errors = [];

if(!isset($_POST["destinationId"]) || empty($_POST["destinationId"])){
    array_push($errors, "Destination must be selected.");
}

if(!isset($_POST["hotelId"]) || empty($_POST["hotelId"])){
    array_push($errors, "Hotel  must be selected.");
}

if(!isset($_POST["travelPrice"]) || empty($_POST["travelPrice"])){
    array_push($errors, "There has been a problem in sending trip price. Contact support.");
}

if(!isset($_POST["travelDateId"]) || empty($_POST["travelDateId"])){
    array_push($errors, "Travel date must be selected.");
}

if(count($errors)>0){
    exitWithError(422, $errors);
}

$destinationId =$_POST["destinationId"];
$hotelId =$_POST["hotelId"];
$travelPrice =$_POST["travelPrice"];
$travelDateId =$_POST["travelDateId"];
$userId = $_SESSION["user"]->id;

if(insertReservation($destinationId, $hotelId, $userId, $travelDateId, $travelPrice )){
    exitWithError(200, ["You have successfully made a reservation."]);
} else{
    exitWithError(422, ["There has been an internal server error with processing of your
request. Please contact support."]);
}
```

5.4.14 insertTravelDate.php

```
<?php

include("../config/connection.php");

$errors = [];

if(!isset($_POST["travelDateBeginning"])||empty($_POST["travelDateBeginning"])){
   array_push($errors, "Beginning travel date can't be empty.");
}

if(!isset($_POST["travelDateEnding"])||empty($_POST["travelDateEnding"])){
   array_push($errors, "Ending travel date can't be empty.");
}

if(!isset($_POST["destinationId"])||empty($_POST["destinationId"])){
   array_push($errors, "Some destination must be selected.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

$travelDateBeginning = $_POST["travelDateBeginning"];
$travelDateEnding = $_POST["travelDateEnding"];
$destinationId = $_POST["destinationId"];

$reTravelDate = "/^\d{4}\-(0[1-9]|1[012])\-(0[1-9]|[12][0-9]|3[01])$/";

if(!preg_match($reTravelDate, $travelDateBeginning)){
   array_push($errors, "Choose correct beginning date.");
}

if(!preg_match($reTravelDate, $travelDateEnding)){
   array_push($errors, "Choose correct ending date.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(insertTravelDate($travelDateBeginning, $travelDateEnding, $destinationId)){
   exitWithError(200, ["Successfully inserted travel date."]);
} else{
   exitWithError(502, ["There has been an internal server error. Contact administrator."]);
}
```

5.4.15 insertTravelPrice.php

```
<?php

include("../config/connection.php");

$errors = [];

if(!isset($_POST["travelPrice"])||empty($_POST["travelPrice"])){
   array_push($errors, "Travel price can't be empty.");
}

if(!isset($_POST["destinationId"])||empty($_POST["destinationId"])){
   array_push($errors, "Some destination must be selected.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

$travelPrice = $_POST["travelPrice"];
$destinationId = $_POST["destinationId"];

$reTravelPrice = "/^[1-9][0-9]*(\.[0-9]([1-9]?))?$/";

if(!preg_match($reTravelPrice, $travelPrice)){
   array_push($errors, "Price must be in XY[.Z[V]] format");
}

if($destinationId=="default"){
   array_push($errors, "Some destination must be selected.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(checkIfDestinationAlreadyHasAssociatedPrice($destinationId)!=false){
   array_push($errors, "That destination already has an associated travel price. Delete it first
then try again.");
}

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(insertTravelPrice($travelPrice, $destinationId)){
   exitWithError(200, ["Successfully inserted travel price for your destination."]);
} else{
   exitWithError(500, ["There has been an internal server error. Contact administrator."]);
}
```

5.4.16 login.php

```
<?php
session_start();

include("../config/connection.php");

$errors = [];

if(isset($_SESSION["user"])&&(!empty($_SESSION["user"]))){
   array_push($errors, "You are already logged in.");
   exitWithError(403, $errors);
}

if(!isset($_POST["email"])||empty($_POST["email"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

if(!isset($_POST["password"])||empty($_POST["password"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

$email = $_POST["email"];
$password = $_POST["password"];
$user = userExists($email);
if(!$user){
   array_push($errors, "User with that email does not exist.");
   exitWithError(422, $errors);
}

if($user->locked==1){
   array_push($errors, "This account is locked. Contact support.");
   exitWithError(422, $errors);
}

$reEmail = "/(?:[a-z0-9!#$%&'*+\/=?^_`{|}~-]+(?:\.[a-z0-9!#$%&'*+\/=?^_`{|}~-
]+)*|\"(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21\x23-\x5b\x5d-\x7f]|\\[\x01-\x09\x0b\x0c\x0e-
\x7f])*\")@(?:(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-9](?:[a-z0-9-]*[a-z0-
9])?|\[(?:(?:(2(5[0-5]|[0-4][0-9])|1[0-9][0-9]|[1-9]?[0-9]))\.){3}(?:(2(5[0-5]|[0-4][0-9])|1[0-
9][0-9]|[1-9]?[0-9])|[a-z0-9-]*[a-z0-9]:(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-
\x7f]|\\[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/";
$rePassword = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{8,}$/";
```

```
if(!preg_match($rePassword, $password)) array_push($errors, "Password must be at least 8
characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.");
if(!preg_match($reEmail, $email)) array_push($errors, "Email format is not valid");

if(count($errors)>0){
   exitWithError(422, $errors);
}

if(md5($password)!=$user->password) {
   writeUnsuccessfullLoginAttempt($user->id, $_SERVER['REMOTE_ADDR']);
   $numberOfTimesToLockAccount = 3;
   $timeSpan = 300;
   $numberOfTries = checkIfTooManyLoginTries($user->id, $timeSpan,
$numberOfTimesToLockAccount);

   if($numberOfTries==true){
      updateLockedStatus($user->id);
      mail($user->email, "Your account has been locked", "Contact support to recover your
account.\r\n");
      array_push($errors, "This account is locked. Contact support.");
      exitWithError(422, $errors);
   }

   array_push($errors, "Password is not correct.");
}

if(count($errors)==0){
   writeSuccessfullLoginAttempt($user->id, $_SERVER['REMOTE_ADDR']);
   $_SESSION["user"]=$user;
} else{
   exitWithError(422, $errors);
}
```

5.4.17 logout.php

```
<?php
session_start();

include("../config/connection.php");

$errors = [];

if(!isset($_SESSION["user"])&&(empty($_SESSION["user"]))){
   array_push($errors, "You are not logged in.");
   exitWithError(403, $errors);
}

session_destroy();
```

5.4.18 register.php

```
<?php
session_start();

include("../config/connection.php");

$errors = [];

if(isset($_SESSION["user"])&&(!empty($_SESSION["user"]))){
   array_push($errors, "You are already logged in.");
   exitWithError(403, $errors);
}

if(!isset($_POST["email"])||empty($_POST["email"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

if(!isset($_POST["password"])||empty($_POST["password"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

if(!isset($_POST["phoneNumber"])||empty($_POST["phoneNumber"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

if(!isset($_POST["firstName"])||empty($_POST["firstName"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

if(!isset($_POST["lastName"])||empty($_POST["lastName"])){
   array_push($errors, "Please fill in all the fields.");
   exitWithError(422, $errors);
}

$email = $_POST["email"];
$password = $_POST["password"];
$lastName = $_POST["lastName"];
$firstName = $_POST["firstName"];
$phoneNumber = $_POST["phoneNumber"];
```

```
$reFirstName = "/^[a-z ,.'-]{2,30}$/";
$reLastName = "/^[a-z ,.'-]{2,30}$/";
$rePassword = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-
z\d@$!#%*?&]{8,}$/";
$rePhoneNumber = "/(^\+[\d]{10,13})|(^\+[\d]{3,5}(\s\d{2,4}){1,4})/";
$reEmail = "/(?:[a-z0-9!#$%&'*+\/=?^_`{|}~-]+(?:\.[a-z0-9!#$%&'*+\/=?^_`{|}~-
]+)*|\"(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21\x23-\x5b\x5d-\x7f]|\\[\x01-\x09\x0b\x0c\x0e-
\x7f])*\")@(?:(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-9](?:[a-z0-9-]*[a-z0-
9])?|\[(?:(?:(2(5[0-5]|[0-4][0-9])|1[0-9][0-9]|[1-9]?[0-9]))\.){3}(?:(2(5[0-5]|[0-4][0-9])|1[0-
9][0-9]|[1-9]?[0-9])|[a-z0-9-]*[a-z0-9]:(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-
\x7f]|\\[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/";

if(!preg_match($reFirstName, $firstName)) array_push($errors, "First name must be
between 2 and 30 letters long.");
if(!preg_match($reLastName, $lastName)) array_push($errors, "Last name must be
between 2 and 30 letters long.");
if(!preg_match($rePassword, $password)) array_push($errors, "Password must be at least 8
characters long, with at least 1 number, 1 upper, 1 lower letter and 1 special character.");
if(!preg_match($rePhoneNumber, $phoneNumber)) array_push($errors, "Number must be
in +<country code> format.");
if(!preg_match($reEmail, $email)) array_push($errors, "Email format is not valid");

if(count($errors)>0){
  exitWithError(422, $errors);
}

if(userExists($email)){
  array_push($errors, "User with that email already exists.");
  exitWithError(422, $errors);
}

if(!insertUser($email, $password, $firstName, $lastName, $phoneNumber)){
  array_push($errors, "Could not insert into database. Contact support");
  exitWithError(422, $errors);
}
```

5.4.19 searchAdminPanel.php

```
<?php

include("../config/connection.php");

$table = $_GET["table"];
$column = $_GET["column"];
$term = $_GET["term"];

$newTable = getTableWithSearch($table, $column, $term);

header("Content-Type: application/json");
echo json_encode(["table"=>$newTable]);
```

5.4.20 showPagesActivity.php

```
<?php

include("../config/connection.php");

$data = getAccessedPages();
if(count($data)==0) $data=false;

header("Content-Type: application/json");
http_response_code(200);
echo json_encode(["table"=>$data]);
```

5.4.21 uploadActivityPicture.php

```
<?php
include("../config/connection.php");

$errors=[];
$uploadDir = "assets/images";
$imageRoot = "";

if(isset($_FILES["activity-image"]["name"])&&!empty($_FILES["activity-image"]["name"])){
   $uploadDir .= "/Activities/";
   $tmpName = $_FILES['activity-image']['tmp_name'];
}

if($uploadDir == "assets/images"){
   header('Location: ' . $_SERVER['HTTP_REFERER']);
   http_response_code(422);
   die();
}

if(!isset($_POST["activity-image-src"])||empty($_POST["activity-image-src"])){
   array_push($errors, "Src field is not filled.");
}

if(!isset($_POST["activity-image-alt"])||empty($_POST["activity-image-alt"])){
   array_push($errors, "Alt field is not filled.");
}

if(!isset($_POST["activity-select"])||empty($_POST["activity-select"])){
   array_push($errors, ctype_upper("activity is not selected."));
}

if(count($errors)>0){
   header('Location: ' . $_SERVER['HTTP_REFERER']);
   http_response_code(422);
   die();
}

$src=$_POST["activity-image-src"];
$alt=$_POST["activity-image-alt"];
$activityId=$_POST["activity-select"];
$src=$_POST["activity-image-src"];

$uploadDir.=$_POST["activity-image-alt"];
```

```
$uploadDir.="/".$_POST["activity-image-src"].".jpg";
move_uploaded_file($tmpName, ABSOLUTE_PATH."/".$uploadDir );
uploadActivityImage($src, $alt, $activityId);
header('Location: ' . $_SERVER['HTTP_REFERER']);
```

5.4.22 uploadDestinationPicture.php

```
<?php
include("../config/connection.php");

$errors=[];
$uploadDir = "assets/images";

if(isset($_FILES["destination-image"]["name"])&&!empty($_FILES["destination-image"]["name"])){
   $uploadDir .= "/Destinations/";
   $tmpName = $_FILES['destination-image']['tmp_name'];
}

if($uploadDir == "assets/images"){
   header('Location: ' . $_SERVER['HTTP_REFERER']);
   http_response_code(422);
   die();
}

if(!isset($_POST["destination-image-src"])||empty($_POST["destination-image-src"])){
   array_push($errors, "Src field is not filled.");
}

if(!isset($_POST["destination-image-alt"])||empty($_POST["destination-image-alt"])){
   array_push($errors, "Alt field is not filled.");
}

if(!isset($_POST["destination-select"])||empty($_POST["destination-select"])){
   array_push($errors, ctype_upper("destination is not selected."));
}

if(count($errors)>0){
   header('Location: ' . $_SERVER['HTTP_REFERER']);
   http_response_code(422);
   die();
}


$src=$_POST["destination-image-src"];
$alt=$_POST["destination-image-alt"];
$destinationId=$_POST["destination-select"];

$uploadDir.=$_POST["destination-image-alt"];
```

```
$uploadDir.="/".$_POST["destination-image-src"].".jpg";
move_uploaded_file($tmpName, ABSOLUTE_PATH."/".$uploadDir );
echo($uploadDir);
uploadDestinationImage($src, $alt, $destinationId);
header('Location: ' . $_SERVER['HTTP_REFERER']);
```

5.5 views

5.5.1 fixed

5.5.1.1 registration

5.5.1.1.1 login.php

```
<div class="popup-whole-screen" id="login-form">
    <div class="popup-wrapper">
        <h3>Login</h3>
        <hr/>
        <?php
        $inputId = ['login-email', 'login-password'];
        $inputLabelText = ['Enter your email: *', 'Enter your password: *'];
        $inputPlaceholderText = ['', ''];
        $inputSpanId = ['login-email-span', 'login-password-span'];
        $inputSpanText = ['', ''];
        $i=count($inputId);
        ?>
        <form action="" method="Post" id="login-form-field" name="login-form-field">
            <?php include("../partials/formInputElement.php") ?>

            <hr/>
            <div class="button-group">
                <input type="button" id="login" value="Login"/>
                <input type="button" class="register" value="Sign Up"/>
                <input type="button" class="return" value="Return"/>
                <span id="login-span">

                </span>
            </div>
        </form>
    </div>
</div>
```

5.5.1.1.2 register.php

```
<div class="popup-whole-screen" id="register-form">
  <div class="popup-wrapper">
    <h3>Register</h3>
    <hr/>
    <?php
    $inputId = ['register-email', 'register-first-name', 'register-last-name', 'register-phone-number', 'register-password'];
    $inputLabelText = ['Email: *', 'First name: *', 'Last name: *', 'Phone number: *', 'Password: *'];
    $inputPlaceholderText = ['', 'Must be between 2-30 letters', 'Must be between 2-30 letters', 'Please use +<country code> format' ,  ''];
    $inputSpanId = ['register-email-span', 'register-first-name-span', 'register-last-name-span', 'register-phone-number-span',  'register-password-span'];
    $inputSpanText = ['', '', '', '',  ''];
    $i=count($inputId);
    ?>
    <form action="" method="Post" id="registration-form" name="registration-form" >
      <?php include("../partials/formInputElement.php") ?>

      <hr/>
      <div class="button-group">
        <input type="button" class="register" id="register" value="Register"/>
        <span id="register-span">
        <input type="button" class="return" value="Return"/>

        </span>

      </div>

    </form>
  </div>
</div>
```

5.5.1.2 serverCommunication

5.5.1.2.1 contact.php

```
<div class="popup-whole-screen" id="contact-form">
  <div class="popup-wrapper">
    <h3>Message</h3>
    <hr/>
    <?php
    $inputId = ['contact-email', 'contact-message'];
    $inputLabelText = ['Enter your email: (optional)', 'Enter your message: *'];
    $inputPlaceholderText = ['', 'Maximum 200 letters.'];
    $inputSpanId = ['contact-email-span', 'contact-message-span'];
    $inputSpanText = ['', ''];
    $i=count($inputId);
    ?>
    <form action="" method="get" id="contact-form" name="contact-form">
      <?php include("../partials/formInputElement.php") ?>

      <hr/>
      <div class="button-group">
        <input type="button" id="contact" value="Send message"/>
        <input type="button" class="return" value="Return"/>
        <span id="contact-span">
        </span>
      </div>
    </form>
  </div>
</div>
```

5.5.1.2.2 insertItem.php

```
<div class="popup-whole-screen" id="insert-item-form">
   <div class="popup-wrapper">
      <h3>Insert:</h3>
      <hr/>

      <form action="" method="Post" enctype="multipart/form-data" id="insert-form"
name="insert-form">





      </form>
   </div>
</div>
```

5.5.1.3 footer.php

```
<footer>
    <div class="holder" id="footer-wrapper">
      <div id="footer-copyright">
        <p>&copy; 2022 Berix - Agency, Berisavac Aleksa 32/18 IT </p><hr/>
      </div>
      <div id="footer-links" class="holder">

        <?php
          $footerLinks = getFooterLinks();
          foreach($footerLinks as $footerLink):
        ?>

        <a href="../../assets/<?= $footerLink->src ?>">
          <i class="<?= $footerLink->fa_fa ?>"></i>
        </a>

        <?php endforeach ?>

      </div>
    </div>
  </footer>

</body>
</html>
```

5.5.1.4 head.php

```
<?php

session_start();
include("../../config/connection.php");

?>

<!DOCTYPE html>
<html lang="en">

  <head>
    <link rel="icon" href="../../assets/images/logoIcon.ico" type="image/gif"
sizes="16x16">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="description" content="<?php echo $description; ?>">

    <title><?php echo $title; ?></title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
    <link href="../../assets/css/style.css" rel="stylesheet">
    <script src="https://kit.fontawesome.com/9d68c2c5c8.js"
crossorigin="anonymous"></script>
  </head>

  <body>
```

5.5.1.5 header.php

```
<?php

include("../fixed/registration/login.php");
include("../fixed/registration/register.php");
include("../fixed/serverCommunication/contact.php");
include("../fixed/serverCommunication/insertItem.php");

?>

<div id="scroll-to-top">
  <i class="fa-solid fa-arrow-up"></i>
</div>
<header class="holder">
  <a href="index.php">
    <div id="header-logo">
      <img src="../../assets/images/navLogo.png" alt="Berix Logo"/>
    </div>
  </a>
  <?php include("../fixed/navigation.php"); ?>
  <div id="header-text">
    <h2> <?php
    echo ("$headerText");
    if(isset($_SESSION["user"]->first_name)&&!empty($_SESSION["user"]) && explode("/",
$_SERVER['REQUEST_URI'])[count(explode("/", $_SERVER['REQUEST_URI']))-
1]=="index.php" )
    {
      $userName= ucfirst($_SESSION["user"]->first_name);
      echo (", $userName");
    }
      ?>  </h2>
  </div>
</header>
```

5.5.1.6 navigation.php

```
<nav>
  <button id="btnMenu"><i class="fa fa-bars"></i> Menu</button>
  <ul>

    <?php

      $navMenuItems = getNavMenuItems();

      foreach($navMenuItems as $navMenuItem):

      if(isset($_SESSION["user"]-
>first_name)&&!empty($_SESSION["user"])&&$navMenuItem->link_name=='Login')
continue;
      if(!isset($_SESSION["user"]-
>first_name)&&empty($_SESSION["user"])&&$navMenuItem->link_name=='Reservations')
continue;
      if(!isset($_SESSION["user"]-
>first_name)&&empty($_SESSION["user"])&&$navMenuItem->link_name=='Logout')
continue;
      if($navMenuItem->link_name=='Admin') continue;

    ?>

      <a href="<?= $navMenuItem->href ?>">
        <li>
        <?= $navMenuItem->link_name ?>
        </li>
      </a>

      <?php endforeach ?>

      <?php

      $navMenuItems = getNavMenuItems();

      foreach($navMenuItems as $navMenuItem):

      if($navMenuItem->link_name!='Admin') continue;
      if($navMenuItem->link_name=='Admin'&&!isset($_SESSION["user"]-
>first_name)&&empty($_SESSION["user"])||($_SESSION["user"]->role_id!=1)) continue;

    ?>
```

```
          <a href="<?= $navMenuItem->href ?>">
             <li>
             <?= $navMenuItem->link_name ?>
             </li>
          </a>

          <?php endforeach ?>

    </ul>

</nav>
```

5.5.1.7 scripts.php

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
<script type="text/javascript" src="../../assets/js/jquery-3.6.0.js"></script>
<script type="text/javascript" src="../../assets/js/main.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/crypto-js/3.1.2/rollups/md5.js"></script>
```

5.5.2 pages

5.5.2.1 admin.php

```
<?php

$description = "Admin Panel";
$title = "Admin - Panel";
$headerText = "Admin Panel";

include("../fixed/head.php");
if(!isset($_SESSION["user"])||empty($_SESSION["user"])||$_SESSION["user"]->role_id!=1){
  $url = "http://$_SERVER[HTTP_HOST]$_SERVER[REQUEST_URI]";
  $url = explode("/", $url);
  $url[count($url)-1]="index.php";
  $url = implode("/", $url);
  header("Location: ".$url);
}
include("../fixed/header.php");



//content
?>

<main class="holder" id="main-admin-panel">
  <div id="error-message"></div>
  <div id="tables-wrapper">

    <div id="select-table-to-show">
      <select id="table-select">
        <option value="default">Select a table to show:</option>
        <?php
        $tables = [
          ["Contact Messages", "contact_messages"],
          ["Footer Links", "footer_links"],
          ["Navigation Links", "nav_menu_items"],
          ["Reservations", "reservations"],
          ["Users", "users"],
          ["User Roles", "user_roles"],
          ["Hotels", "hotels"],
          ["Destinations", "destinations"],
          ["Destination - Information", "destination_informations"],
          ["Destination - Images", "destination_information_images"],
          ["Destination - Hotels", "destination_hotels"],
          ["Destination - Travel Dates", "destination_travel_dates"],
          ["Destination - Activities", "destination_activities"],
          ["Activities", "activities"],
          ["Activity - Images", "activity_images"],
          ["Travel Dates", "travel_dates"],
          ["Bus Price", "travel_prices"]
        ];

        foreach($tables as $table):
        ?>
        <option value="<?= $table[1]?>"><?= ucfirst($table[0])?></option>
        <?php endforeach ?>
      </select>
      <div id="admin-search">
        <select id="select-search">

        </select>
        <input id="search-term" name="search-term" type="text" placeholder="Search
term"/>
        <input id="search-button" name="search-button" type="button" value="Search"/>
        <input id="search-reset" name="search-reset" type="button" value="Reset
Table"/>
        <span id="invalid-search-term">

        </span>
      </div>
    </div>

    <div id="table-information-wrapper">
    </div>

    <div id="select-item-to-insert">
      <select id="table-select-to-insert">
        <option value="default">Select a table to add an item into:</option>
        <?php
        $tables = [
          ["Destinations", "destinations"],
          ["Destination Images", "destination_information_images"],
          ["Activities", "activities"],
          ["Activity Images", "activity_images"],
          ["Hotels", "hotels"],
          ["Travel Dates", "travel_dates"],
          ["Travel Price", "travel_prices"]
        ];

        foreach($tables as $table):
        ?>
        <option value="<?= $table[1]?>"><?= ucfirst($table[0])?></option>
        <?php endforeach ?>
      </select>
    </div>

    <div id="users-logged-in">
        <p> The number of unique users logged in in the last 24h is:
          <?php
          echo getUniqueLoggedInUsers();
          ?>
        </p>
    </div>

    <div id="statistics">

    </div>
  </div>
</main>

<?php
//endContent
include("../fixed/scripts.php");
include("../fixed/footer.php");

if(isset($_SESSION["user"])&&!empty($_SESSION["user"])) $userEmail=$_SESSION["user"]-
>email; else $userEmail="anonymous";
writeAccessedPage("admin.php", $userEmail);

?>
```

5.5.2.2 author.php

```
<?php

$description = "Author information";
$title = "Author";
$headerText = "About Author";

include("../fixed/head.php");
include("../fixed/header.php");
//content
?>

<main class="holder" id="main-author">
    <div>
      <img src="../../assets/images/profile.jpg" alt="author" />
      <p>My name is Aleksa Berisavac. I am currently attending the ICT Academy in
Belgrade, orientation internet technologies. I am aspiring to be an accomplished web
developer, and am working towards that goal. If you are wondering about my works, you
can find them in the <a href="http://beri-portfolio-js-
jquery.synergize.co/?i=2#about">Projects</a> section of my portfolio. </p>
    </div>
  </main>

<?php
//endContent
include("../fixed/scripts.php");
include("../fixed/footer.php");

if(isset($_SESSION["user"])&&!empty($_SESSION["user"])) $userEmail=$_SESSION["user"]-
>email; else $userEmail="anonymous";
writeAccessedPage("author.php", $userEmail);

?>
```

5.5.2.3 index.php

```
<?php
$requestedPath =
explode("/",$_SERVER['PHP_SELF'])[count(explode("/",$_SERVER['PHP_SELF']))-1];
if(isset($_GET["page"]) && !empty($_GET["page"])) $requestedPath=$_GET["page"];
if($requestedPath=="index.php"||$requestedPath=="index.html"||$requestedPath==""){
} else{
  $requestedPath = explode("=", $requestedPath)[count(explode("=", $requestedPath))-1];
  echo $requestedPath;
  switch($requestedPath){
    default:
      header("Location: index.php");
      die();
    case "author.php":
      header("Location: author.php");
      die();
    case "admin.php":
      header("Location: admin.php");
      die();
    case "showReservations.php":
      header("Location: showReservations.php");
      die();
  };
}


$description = "Welcome page for Berix Agency";
$title = "Home - Page";
$headerText = "Welcome To Berix";

include("../fixed/head.php");
include("../fixed/header.php");
//content
?>

<main class="holder" id="main-index">
    <div id="destinations-holder" class="holder">

    <?php include("../partials/destination.php");

      foreach($destinations as $destination):
      $i=0;
```

```
            ?>
                <div class="destination-holder">
                    <div class="carousel slide" data-bs-ride="carousel" data-id="<?=$destination-
>id?>">
                        <div class="carousel-inner">
                            <?php foreach($destination->information_images as $image): ?>

                            <div class="carousel-item <?= $i++==0?'active':''?>">
                                <img src="../../assets/images/Destinations/<?=$destination-
>name?>/<?=$image->src?>.jpg" class="d-block w-100" alt="<?=$image->alt?>">
                            </div>

                            <?php endforeach; ?>
                        </div>
                    </div>
                    <div class="destination-information">
                        <h3><?=$destination->name?></h3>
                        <p> Starting from <?=$destination->cheapest_trip_price?> euros</p>
                    </div>
                </div>

                <?php endforeach ?>
        </div>
    </main>

<?php
//endContent
include("../fixed/scripts.php");
include("../fixed/footer.php");

if(isset($_SESSION["user"])&&!empty($_SESSION["user"])) $userEmail=$_SESSION["user"]-
>email; else $userEmail="anonymous";
writeAccessedPage("index.php", $userEmail);

?>
```

5.5.2.4 makeAReservation.php

```
<?php

$description = "Getting a reservation.";
$title = "Reservation";
$headerText = "Make a reservation";

include("../fixed/head.php");
include("../fixed/header.php");
//content
?>

<main class="holder" id="main-make-a-reservation">
    <div id="reservation-holder" class="holder">

    <?php include("../partials/destination.php"); ?>

      <div class="reservation-region-holder">
        <h4>Ready to make a trip? Select your destination, hotel, and time when you want
to travel below</h4>
      </div>

      <div class="reservation-region-holder">
        <div id="reservation-select-region-holder">
          <div class="reservation-select-holder">
            <div id="reservation-inputs-holder">
              <div class="reservation-input-holder">
                <label for="select-reservation-destination">Select your destination:
</label>

                <select id="select-reservation-destination" name="select-reservation-
destination">
                  <option value="default">Select destination: </option>
                  <?php foreach($destinations as $destination): ?>
                  <option value="<?= $destination->id ?>"><?=  $destination->name
?></option>
                  <?php endforeach ?>
                </select>
              </div>
            </div>
          </div>
        </div>
        <div class="reservation-select-holder">
          <div class="reservation-destination-holder">

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

      <div class="reservation-region-holder">
        <div id="submit-reservation-holder">

        </div>
      </div>
    </div>
  </main>

<?php
//endContent
include("../fixed/scripts.php");
include("../fixed/footer.php");

if(isset($_SESSION["user"])&&!empty($_SESSION["user"])) $userEmail=$_SESSION["user"]->email; else $userEmail="anonymous";
writeAccessedPage("makeAReservation.php", $userEmail);

?>
```

5.5.2.5 showReservations.php

```
<?php

$description = "Show made reservations.";
$title = "Reservations";
$headerText = "See your reservations";

include("../fixed/head.php");

if(!isset($_SESSION["user"])||empty($_SESSION["user"])||$_SESSION["user"]->role_id!=1){
   $url = "http://$_SERVER[HTTP_HOST]$_SERVER[REQUEST_URI]";
   $url = explode("/", $url);
   $url[count($url)-1]="index.php";
   $url = implode("/", $url);
   header("Location: ".$url);
}

include("../fixed/header.php");
//content
?>

<main class="holder" id="main-show-reservations">
<a href="makeAReservation.php"><div id="go-to-reservations">
<i class="fa fa-plane" aria-hidden="true">&nbsp;&nbsp;Make a reservation</i>
</div></a>
<div id="table-information-wrapper"></div>
<div id="error-message"></div>
</main>

<?php
//endContent
include("../fixed/scripts.php");
include("../fixed/footer.php");

if(isset($_SESSION["user"])&&!empty($_SESSION["user"])) $userEmail=$_SESSION["user"]-
>email; else $userEmail="anonymous";
writeAccessedPage("showReservations.php", $userEmail);

?>
```

5.5.3 partials

5.5.3.1 destination.php

```
<?php

$destinations = getDestinations();
```

5.5.3.2 formInputElement.php

```
<?php
for( $counter=0; $counter<$i ;$counter++):?>

<div class="form-input-element">
   <label for="<?= $inputId[$counter] ?>"><?= $inputLabelText[$counter] ?></label>
   <input type="text" placeholder="<?= $inputPlaceholderText[$counter] ?>" id="<?=
$inputId[$counter] ?>" name="<?= $inputId[$counter] ?>"/>
   <span id="<?= $inputSpanId[$counter] ?>"><?= $inputSpanText[$counter] ?></span>
</div>

<?php endfor; ?>
```

5.6 index.php

```
<?php

header("Location: views/pages/index.php");
die();


?>
```