

Package functions

```
import "GS5Group3/functions"
```

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Overview ▾

Package functions contains all of the functions that serve pages as well as many support functions.

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Variables

```
func AddOrEditPlot(res http.ResponseWriter, req *http.Request)
func AdminPage(res http.ResponseWriter, req *http.Request)
func AllUsers(res http.ResponseWriter, req *http.Request)
func CompleteBooking(res http.ResponseWriter, req *http.Request)
func DeleteBooking(res http.ResponseWriter, req *http.Request)
func DeletePlot(res http.ResponseWriter, req *http.Request)
func DeleteRecord(res http.ResponseWriter, req *http.Request)
func EditBooking(res http.ResponseWriter, req *http.Request)
func Homepage(res http.ResponseWriter, req *http.Request)
func LoginAuth(res http.ResponseWriter, req *http.Request)
func Logout(res http.ResponseWriter, req *http.Request)
func LogoutAdmin(res http.ResponseWriter, req *http.Request)
func NewBooking(res http.ResponseWriter, req *http.Request)
func SignUp(res http.ResponseWriter, req *http.Request)
func Update(res http.ResponseWriter, req *http.Request)
func UpdateResult(res http.ResponseWriter, req *http.Request)
func UserArea(res http.ResponseWriter, req *http.Request)
func ViewVenuePlots(res http.ResponseWriter, req *http.Request)
func ViewVenues(res http.ResponseWriter, req *http.Request)
type Plot
type PlotMap
type Users
type VenueInformation
type VenuePlotInfo
```

Package files

[Account.go](#) [AdminArea.go](#) [Booking.go](#) [Homepage.go](#) [Logout.go](#) [UserArea.go](#) [ViewUsers.go](#) [ViewVenues.go](#) [connectDB.go](#)
[functionsPackageLogger.go](#) [ifAlreadyloggedin.go](#) [templateinit.go](#)

Variables

```
var (
    WarningLogger *log.Logger
    InfoLogger    *log.Logger
    ErrorLogger   *log.Logger
)
```

```
var VenueInformationList []VenueInformation
```

func AddOrEditPlot

```
func AddOrEditPlot(res http.ResponseWriter, req *http.Request)
```

If the plotid exists, it will change the venue name and address.

func AdminPage

```
func AdminPage(res http.ResponseWriter, req *http.Request)
```

func AllUsers

```
func AllUsers(res http.ResponseWriter, req *http.Request)
```

AllUsers handles showing all users in the database.

func CompleteBooking

```
func CompleteBooking(res http.ResponseWriter, req *http.Request)
```

CompleteBooking marks a booking lease as having been completed.

func DeleteBooking

```
func DeleteBooking(res http.ResponseWriter, req *http.Request)
```

DeleteBooking deletes a booking.

func DeletePlot

```
func DeletePlot(res http.ResponseWriter, req *http.Request)
```

func DeleteRecord

```
func DeleteRecord(res http.ResponseWriter, req *http.Request)
```

DeleteRecord handles deleting a selected user in the database.

func EditBooking

```
func EditBooking(res http.ResponseWriter, req *http.Request)
```

EditBooking serves a page that allows the user to edit an existing booking dates.

func Homepage

```
func Homepage(res http.ResponseWriter, req *http.Request)
```

func LoginAuth

```
func LoginAuth(res http.ResponseWriter, req *http.Request)
```

LoginAuth handles the authentication of the user details in the user database and logs the user in. Upon successful login, a user session is created using a cookie.

func Logout

```
func Logout(res http.ResponseWriter, req *http.Request)
```

Logout handles the logging out of a user session. It deletes the cookie in the session immediately

func LogoutAdmin

```
func LogoutAdmin(res http.ResponseWriter, req *http.Request)
```

LogoutAdmin handles the logging out of a Admin session. It deletes the cookie in the session immediately

func NewBooking

```
func NewBooking(res http.ResponseWriter, req *http.Request)
```

NewBooking serves a page that allows a user to make a new booking.

func SignUp

```
func SignUp(res http.ResponseWriter, req *http.Request)
```

SignUp handles either a GET or POST request. GET request returns a blank form PUT request will request a display name, username, password and email values which will be then stored in the user database.

func Update

```
func Update(res http.ResponseWriter, req *http.Request)
```

Update handles the scanning of the username in the database

func UpdateResult

```
func UpdateResult(res http.ResponseWriter, req *http.Request)
```

UpdateResults handles the updating of the users values

func UserArea

```
func UserArea(res http.ResponseWriter, req *http.Request)
```

func ViewVenuePlots

```
func ViewVenuePlots(res http.ResponseWriter, req *http.Request)
```

Viewing Specific Venue with PlotID Information:

func ViewVenues

```
func ViewVenues(res http.ResponseWriter, req *http.Request)
```

fills VenueInformationList

type Plot

```
type Plot struct {  
    PlotID    string `json:"PlotID"`  
    VenueName string `json:"VenueName"`  
    Address   string `json:"Address"`  
}
```

type PlotMap

```
type PlotMap map[string]Plot
```

type Users

```
type Users struct {  
    Name      string `field:"Name"`  
    Username  string `field:"Username"`  
    Email     string `field:"Email"`  
}
```

type VenueInformation

```
type VenueInformation struct {  
    VenueName string `json:"VenueName"`  
    Address   string `json:"Address"`  
}
```

type VenuePlotInfo

```
type VenuePlotInfo struct {  
    VenueName string  
    PlotID    string  
    Bookings  []booking
```

}

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