

calendar

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# Chapter 1

## Module Index

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## Chapter 2

# Data Structure Index

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# File Index

### 3.1 File List

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## Chapter 4

# Module Documentation

### 4.1 Események részletei

#### Typedefs

- typedef enum [ModBy](#) [ModBy](#)

#### Enumerations

- enum [ModBy](#) { [bydate](#), [bystart](#), [byend](#) }

#### Functions

- void [moveevent](#) ([Event](#) \*event, [EventList](#) const \*eventlist, [ModBy](#) modby)
- void [deleteevent](#) ([Event](#) \*event)
- int [scanrecordcommand](#) (bool isnewevent, int i, [Event](#) \*event, [EventList](#) \*eventlist)
- int [printeventrecord](#) ([Event](#) \*event, [SearchConditions](#) condition, [EventList](#) \*eventlist)

#### 4.1.1 Detailed Description

Események részleteinek kiírásával és módosításával kapcsolatos függvények

#### 4.1.2 Typedef Documentation

##### 4.1.2.1 [ModBy](#)

```
typedef enum ModBy ModBy
```

Hogyan szeretnénk módosítani az eseményt: bydate: dátum szerint bystart: kezdőidő (óra, perc) szerint byend: befejezőidő (óra, perc) szerint

### 4.1.3 Enumeration Type Documentation

#### 4.1.3.1 ModBy

enum [ModBy](#)

Hogyan szeretnénk módosítani az eseményt: bydate: dátum szerint bystart: kezdőidő (óra, perc) szerint byend: befejezőidő (óra, perc) szerint

##### Enumerator

bydate	
bystart	
byend	

### 4.1.4 Function Documentation

#### 4.1.4.1 deleteevent()

```
void deleteevent (
    Event * event )
```

Esemény törlése Megkérdezi, hogy töröljük-e

##### Parameters

<i>event</i>	törölendő <a href="#">Event</a> típusú eseményre mutató pointer
--------------	-----------------------------------------------------------------

#### 4.1.4.2 moveevent()

```
void moveevent (
    Event * event,
    EventList const * eventlist,
    ModBy modby )
```

Az esemény időhöz kapcsolódó változóinak módosítása Bekéri az új értéket, és erre módosítja Áthelyezi az eseményt a láncolt listában, ha dátum vagy kezdőidő szerint módosítjuk

##### Parameters

<i>event</i>	<a href="#">Event</a> típusra mutató pointer: a módosítandó esemény
<i>eventlist</i>	<a href="#">EventList</a> -re mutató pointer: a lista amelyikben a módosítandó esemény található

## 4.1.4.3 printeventrecord()

```
int printeventrecord (
    Event * event,
    SearchConditions condition,
    EventList * eventlist )
```

Kiírja az esemény részleteit és a szerkesztéshez, navigációhoz kapcsolatos menüpontokat majd meghívja a parancsbeolvasó fv-t.

## Parameters

<i>event</i>	<a href="#">Event</a> típusra mutató pointer: a módosítandó esemény
<i>condition</i>	a keresés feltételeit tartalmazó változó
<i>eventlist</i>	EventList-re mutató pointer: a lista amelyikben a módosítandó esemény található

## Returns

5, ha a főmenübe akarunk menni; 0: kereses mashogy 1: kereses ugyanigy, vagy új esemény -1:talalati lista

## 4.1.4.4 scanrecordcommand()

```
int scanrecordcommand (
    bool isnewevent,
    int i,
    Event * event,
    EventList * eventlist )
```

Bekéri az eseményrekord menüből az utasítást és meghívja a kívánt parancshoz tartozó függvényt

## Parameters

<i>isnewevent</i>	true, ha újonnan létrehozott esemény rekordját nézzük
<i>i</i>	hány db menüpont van+1
<i>event</i>	<a href="#">Event</a> típusú vizsgált eseményre mutató pointer
<i>eventlist</i>	EventList-re mutató pointer: a lista amelyikben a módosítandó esemény található

## Returns

5, ha a főmenübe akarunk menni; 2, ha maradni akarunk az eseménynél 0: kereses mashogy 1: kereses ugyanigy vagy új esemény -1:talalati lista



## Chapter 5

# Data Structure Documentation

### 5.1 Event Struct Reference

```
#include <structures.h>
```

#### Data Fields

- int [year](#)
- int [month](#)
- int [day](#)
- int [starthour](#)
- int [startmin](#)
- int [endhour](#)
- int [endmin](#)
- char \* [name](#)
- char \* [location](#)
- char \* [comment](#)
- struct [Event](#) \* [next](#)
- struct [Event](#) \* [prev](#)

#### 5.1.1 Field Documentation

##### 5.1.1.1 [comment](#)

```
char* comment
```

##### 5.1.1.2 [day](#)

```
int day
```

**5.1.1.3 endhour**

```
int endhour
```

**5.1.1.4 endmin**

```
int endmin
```

**5.1.1.5 location**

```
char* location
```

**5.1.1.6 month**

```
int month
```

**5.1.1.7 name**

```
char* name
```

**5.1.1.8 next**

```
struct Event* next
```

**5.1.1.9 prev**

```
struct Event* prev
```

**5.1.1.10 starthour**

```
int starthour
```

#### 5.1.1.11 startmin

```
int startmin
```

#### 5.1.1.12 year

```
int year
```

The documentation for this struct was generated from the following file:

- </home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h>

## 5.2 EventList Struct Reference

```
#include <structures.h>
```

### Data Fields

- [Event](#) \* [first](#)
- [Event](#) \* [last](#)

### 5.2.1 Field Documentation

#### 5.2.1.1 first

```
Event* first
```

#### 5.2.1.2 last

```
Event* last
```

The documentation for this struct was generated from the following file:

- </home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h>

## 5.3 FindList Struct Reference

```
#include <structures.h>
```

## Data Fields

- [FoundEvent](#) \* [first](#)
- [FoundEvent](#) \* [last](#)

### 5.3.1 Field Documentation

#### 5.3.1.1 first

[FoundEvent](#)\* first

#### 5.3.1.2 last

[FoundEvent](#)\* last

The documentation for this struct was generated from the following file:

- /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/[structures.h](#)

## 5.4 FoundEvent Struct Reference

```
#include <structures.h>
```

## Data Fields

- [Event](#) \* [foundevent](#)
- struct [FoundEvent](#) \* [prevfound](#)
- struct [FoundEvent](#) \* [nextfound](#)

### 5.4.1 Field Documentation

#### 5.4.1.1 foundevent

[Event](#)\* foundevent



#### 5.4.1.2 nextfound

```
struct FoundEvent* nextfound
```

#### 5.4.1.3 prevfound

```
struct FoundEvent* prevfound
```

The documentation for this struct was generated from the following file:

- </home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h>

## 5.5 Lefoglalt Struct Reference

### Data Fields

- void \* [valodi](#)
- void \* [usernek](#)
- size\_t [meret](#)
- char [fv](#) [16]
- char [cel](#) [128]
- char [file](#) [64]
- unsigned [line](#)
- struct [Lefoglalt](#) \* [prev](#)
- struct [Lefoglalt](#) \* [next](#)

### 5.5.1 Field Documentation

#### 5.5.1.1 cel

```
char cel[128]
```

#### 5.5.1.2 file

```
char file[64]
```

#### 5.5.1.3 fv

```
char fv[16]
```

#### 5.5.1.4 line

```
unsigned line
```

#### 5.5.1.5 meret

```
size_t meret
```

#### 5.5.1.6 next

```
struct Lefoglalt * next
```

#### 5.5.1.7 prev

```
struct Lefoglalt* prev
```

#### 5.5.1.8 usernek

```
void* usernek
```

#### 5.5.1.9 valodi

```
void* valodi
```

The documentation for this struct was generated from the following file:

- </home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/debugmalloc.c>

## 5.6 MenuPont Struct Reference

```
#include <structures.h>
```

### Data Fields

- char const \* [nev](#)

#### 5.6.1 Field Documentation

##### 5.6.1.1 nev

```
char const* nev
```

The documentation for this struct was generated from the following file:

- /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/[structures.h](#)

## 5.7 SearchConditions Struct Reference

```
#include <structures.h>
```

### Data Fields

- char \* [name](#)
- int [year](#)
- int [week](#)
- int [month](#)
- int [day](#)

#### 5.7.1 Field Documentation

##### 5.7.1.1 day

```
int day
```

#### 5.7.1.2 month

```
int month
```

#### 5.7.1.3 name

```
char* name
```

#### 5.7.1.4 week

```
int week
```

#### 5.7.1.5 year

```
int year
```

The documentation for this struct was generated from the following file:

- </home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h>

## Chapter 6

# File Documentation

### 6.1 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/debugmalloc.c File Reference

```
#include <stdbool.h>
#include <stdlib.h>
#include <stdio.h>
#include <ctype.h>
#include <string.h>
#include <time.h>
#include <stdarg.h>
#include "debugmalloc.h"
```

#### Data Structures

- struct [Lefoglalt](#)

#### Macros

- #define [TABLA\\_OSZLOPOK](#) 256

#### Typedefs

- typedef struct [Lefoglalt](#) [Lefoglalt](#)

#### Functions

- size\_t [debugmalloc\\_hash](#) (void \*mem)
- void [debugmalloc\\_naplofajl](#) (char const \*nev)
- void [debugmalloc\\_dump](#) ()
- void \* [debugmalloc\\_malloc\\_full](#) (size\_t meret, char const \*fv, char const \*cel, char const \*file, unsigned line, bool zero)
- void [debugmalloc\\_free\\_full](#) (void \*mem, char const \*fv, char const \*file, unsigned line)
- void \* [debugmalloc\\_realloc\\_full](#) (void \*oldmem, size\_t newsize, char const \*fv, char const \*cel, char const \*file, unsigned line)
- void \* [debugmalloc\\_malloc](#) (size\_t meret)
- void \* [debugmalloc\\_calloc](#) (size\_t nmemb, size\_t meret)
- void [debugmalloc\\_free](#) (void \*mem)
- void \* [debugmalloc\\_realloc](#) (void \*oldmem, size\_t meret)

## 6.1.1 Macro Definition Documentation

### 6.1.1.1 TABLA\_OSZLOPOK

```
#define TABLA_OSZLOPOK 256
```

## 6.1.2 Typedef Documentation

### 6.1.2.1 Lefoglalt

```
typedef struct Lefoglalt Lefoglalt
```

## 6.1.3 Function Documentation

### 6.1.3.1 debugmalloc\_calloc()

```
void* debugmalloc_calloc (
    size_t nmemb,
    size_t meret )
```

### 6.1.3.2 debugmalloc\_dump()

```
void debugmalloc_dump ( )
```

### 6.1.3.3 debugmalloc\_free()

```
void debugmalloc_free (
    void * mem )
```

#### 6.1.3.4 debugmalloc\_free\_full()

```
void debugmalloc_free_full (
    void * mem,
    char const * fv,
    char const * file,
    unsigned line )
```

#### 6.1.3.5 debugmalloc\_hash()

```
size_t debugmalloc_hash (
    void * mem )
```

#### 6.1.3.6 debugmalloc\_malloc()

```
void* debugmalloc_malloc (
    size_t meret )
```

#### 6.1.3.7 debugmalloc\_malloc\_full()

```
void* debugmalloc_malloc_full (
    size_t meret,
    char const * fv,
    char const * cel,
    char const * file,
    unsigned line,
    bool zero )
```

#### 6.1.3.8 debugmalloc\_naplofajl()

```
void debugmalloc_naplofajl (
    char const * nev )
```

#### 6.1.3.9 debugmalloc\_realloc()

```
void* debugmalloc_realloc (
    void * oldmem,
    size_t meret )
```

### 6.1.3.10 debugmalloc\_realloc\_full()

```
void* debugmalloc_realloc_full (
    void * oldmem,
    size_t newsize,
    char const * fv,
    char const * cel,
    char const * file,
    unsigned line )
```

## 6.2 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/debugmalloc.h File Reference

```
#include <stdlib.h>
#include <stdbool.h>
```

### Macros

- #define [malloc](#)(X) [debugmalloc\\_malloc\\_full](#)(X, "malloc", #X, \_\_FILE\_\_, \_\_LINE\_\_, false)
- #define [calloc](#)(X, Y) [debugmalloc\\_malloc\\_full](#)(X\*Y, "calloc", #X " ", " #Y, \_\_FILE\_\_, \_\_LINE\_\_, true)
- #define [realloc](#)(P, X) [debugmalloc\\_realloc\\_full](#)(P, X, "realloc", #X, \_\_FILE\_\_, \_\_LINE\_\_)
- #define [free](#)(P) [debugmalloc\\_free\\_full](#)(P, "free", \_\_FILE\_\_, \_\_LINE\_\_)

### Functions

- void [debugmalloc\\_naplofajl](#) (char const \*nev)
- void [debugmalloc\\_dump](#) ()
- void \* [debugmalloc\\_malloc\\_full](#) (size\_t meret, char const \*fv, char const \*cel, char const \*file, unsigned line, bool zero)
- void \* [debugmalloc\\_realloc\\_full](#) (void \*regimem, size\_t newsize, char const \*fv, char const \*cel, char const \*file, unsigned line)
- void [debugmalloc\\_free\\_full](#) (void \*mem, char const \*fv, char const \*file, unsigned line)
- void \* [debugmalloc\\_malloc](#) (size\_t meret)
- void \* [debugmalloc\\_calloc](#) (size\_t nmemb, size\_t meret)
- void \* [debugmalloc\\_realloc](#) (void \*regimem, size\_t meret)
- void [debugmalloc\\_free](#) (void \*mem)

### 6.2.1 Macro Definition Documentation

#### 6.2.1.1 calloc

```
#define calloc(
    X,
    Y ) debugmalloc\_malloc\_full(X*Y, "calloc", #X " ", " #Y, __FILE__, __LINE__, true)
```



### 6.2.1.2 free

```
#define free(  
    P ) debugmalloc_free_full(P, "free", __FILE__, __LINE__)
```

### 6.2.1.3 malloc

```
#define malloc(  
    X ) debugmalloc_malloc_full(X, "malloc", #X, __FILE__, __LINE__, false)
```

### 6.2.1.4 realloc

```
#define realloc(  
    P,  
    X ) debugmalloc_realloc_full(P, X, "realloc", #X, __FILE__, __LINE__)
```

## 6.2.2 Function Documentation

### 6.2.2.1 debugmalloc\_calloc()

```
void* debugmalloc_calloc (  
    size_t nmemb,  
    size_t meret )
```

### 6.2.2.2 debugmalloc\_dump()

```
void debugmalloc_dump ( )
```

### 6.2.2.3 debugmalloc\_free()

```
void debugmalloc_free (  
    void * mem )
```

#### 6.2.2.4 debugmalloc\_free\_full()

```
void debugmalloc_free_full (
    void * mem,
    char const * fv,
    char const * file,
    unsigned line )
```

#### 6.2.2.5 debugmalloc\_malloc()

```
void* debugmalloc_malloc (
    size_t meret )
```

#### 6.2.2.6 debugmalloc\_malloc\_full()

```
void* debugmalloc_malloc_full (
    size_t meret,
    char const * fv,
    char const * cel,
    char const * file,
    unsigned line,
    bool zero )
```

#### 6.2.2.7 debugmalloc\_naplofajl()

```
void debugmalloc_naplofajl (
    char const * nev )
```

#### 6.2.2.8 debugmalloc\_realloc()

```
void* debugmalloc_realloc (
    void * regimem,
    size_t meret )
```

#### 6.2.2.9 debugmalloc\_realloc\_full()

```
void* debugmalloc_realloc_full (
    void * regimem,
    size_t newsize,
    char const * fv,
    char const * cel,
    char const * file,
    unsigned line )
```

## 6.3 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/eventrecord.c File Reference

```
#include "eventrecord.h"
#include "structures.h"
#include <stdio.h>
#include <stdbool.h>
#include "menu.h"
#include "list.h"
#include "debugmalloc.h"
```

### Functions

- void [moveevent](#) ([Event](#) \*event, [EventList](#) const \*eventlist, [ModBy](#) modby)
- void [deleteevent](#) ([Event](#) \*event)
- int [scanrecordcommand](#) (bool isnewevent, int i, [Event](#) \*event, [EventList](#) \*eventlist)
- int [printeventrecord](#) ([Event](#) \*event, [SearchConditions](#) condition, [EventList](#) \*eventlist)

## 6.4 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/eventrecord.h File Reference

```
#include "structures.h"
#include <stdbool.h>
```

### Typedefs

- typedef enum [ModBy](#) [ModBy](#)

### Enumerations

- enum [ModBy](#) { [bydate](#), [bystart](#), [byend](#) }

### Functions

- void [moveevent](#) ([Event](#) \*event, [EventList](#) const \*eventlist, [ModBy](#) modby)
- void [deleteevent](#) ([Event](#) \*event)
- int [scanrecordcommand](#) (bool isnewevent, int i, [Event](#) \*event, [EventList](#) \*eventlist)
- int [printeventrecord](#) ([Event](#) \*event, [SearchConditions](#) condition, [EventList](#) \*eventlist)

## 6.5 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/file.c File Reference

```
#include "file.h"
#include <stdio.h>
#include <stdbool.h>
#include "structures.h"
#include "list.h"
#include <string.h>
#include "debugmalloc.h"
```

### Functions

- char \* [dstcpy](#) (char \*str)
- bool [calendarload](#) ([EventList](#) \*eventlist)
- bool [calendarsave](#) ([EventList](#) \*eventlist)

### 6.5.1 Function Documentation

#### 6.5.1.1 calendarload()

```
bool calendarload (
    EventList * eventlist )
```

#### 6.5.1.2 calendarsave()

```
bool calendarsave (
    EventList * eventlist )
```

#### 6.5.1.3 dstcpy()

```
char* dstcpy (
    char * str )
```

## 6.6 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/file.h File Reference

```
#include "structures.h"
#include <stdbool.h>
```

## Functions

- char \* [dstcopy](#) (char \*str)
- bool [calendarload](#) ([EventList](#) \*eventlist)
- bool [calendarsave](#) ([EventList](#) \*eventlist)

### 6.6.1 Function Documentation

#### 6.6.1.1 [calendarload\(\)](#)

```
bool calendarload (  
    EventList * eventlist )
```

#### 6.6.1.2 [calendarsave\(\)](#)

```
bool calendarsave (  
    EventList * eventlist )
```

#### 6.6.1.3 [dstcopy\(\)](#)

```
char* dstcopy (  
    char * str )
```

## 6.7 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/list.c File Reference

```
#include "list.h"  
#include <stdlib.h>  
#include "structures.h"  
#include <time.h>  
#include "debugmalloc.h"
```

## Functions

- [EventList](#) \* [initeventlist](#) ()
- void [freeEventList](#) ([EventList](#) \*eventlist)
- [Event](#) \* [createevent](#) (int ev, int honap, int nap, int ora, int perc, int bora, int bperc, char \*nev, char \*hely, char \*comment)
- void [insertevent](#) ([EventList](#) \*eventlist, [Event](#) \*event)
- int [starttime](#) ([Event](#) \*event)
- void [free\\_event](#) ([Event](#) \*event)

## 6.7.1 Function Documentation

### 6.7.1.1 createevent()

```
Event* createevent (
    int ev,
    int honap,
    int nap,
    int ora,
    int perc,
    int bora,
    int bperc,
    char * nev,
    char * hely,
    char * comment )
```

### 6.7.1.2 free\_event()

```
void free_event (
    Event * event )
```

### 6.7.1.3 freeEventList()

```
void freeEventList (
    EventList * eventlist )
```

### 6.7.1.4 initeventlist()

```
EventList* initeventlist ( )
```

### 6.7.1.5 insertevent()

```
void insertevent (
    EventList * eventlist,
    Event * event )
```

#### 6.7.1.6 starttime()

```
int starttime (
    Event * event )
```

## 6.8 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/list.h File Reference

```
#include "structures.h"
#include <time.h>
```

### Typedefs

- typedef struct tm [Tm](#)

### Functions

- [EventList](#) \* [initeventlist](#) ()
- void [freeEventList](#) ([EventList](#) \*eventlist)
- [Event](#) \* [createevent](#) (int ev, int honap, int nap, int ora, int perc, int bora, int bperc, char \*nev, char \*hely, char \*comment)
- void [insertevent](#) ([EventList](#) \*eventlist, [Event](#) \*event)
- int [starttime](#) ([Event](#) \*event)
- void [free\\_event](#) ([Event](#) \*event)

### 6.8.1 Typedef Documentation

#### 6.8.1.1 Tm

```
typedef struct tm Tm
```

### 6.8.2 Function Documentation

#### 6.8.2.1 createevent()

```
Event* createevent (
    int ev,
    int honap,
    int nap,
    int ora,
    int perc,
    int bora,
    int bperc,
    char * nev,
    char * hely,
    char * comment )
```

#### 6.8.2.2 free\_event()

```
void free_event (
    Event * event )
```

#### 6.8.2.3 freeEventList()

```
void freeEventList (
    EventList * eventlist )
```

#### 6.8.2.4 initeventlist()

```
EventList* initeventlist ( )
```

#### 6.8.2.5 insertevent()

```
void insertevent (
    EventList * eventlist,
    Event * event )
```

#### 6.8.2.6 starttime()

```
int starttime (
    Event * event )
```



## 6.9 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/main.c File Reference

```
#include <stdio.h>
#include <stdlib.h>
#include "structures.h"
#include "file.h"
#include "list.h"
#include "menu.h"
#include <stdbool.h>
#include "debugmalloc.h"
```

### Functions

- int [main](#) ()

#### 6.9.1 Function Documentation

##### 6.9.1.1 main()

```
int main ( )
```

## 6.10 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/menu.c File Reference

```
#include "menu.h"
#include "structures.h"
#include <stdlib.h>
#include "file.h"
#include <stdio.h>
#include <string.h>
#include <stdbool.h>
#include "list.h"
#include "search.h"
#include "eventrecord.h"
#include "debugmalloc.h"
```

### Functions

- void [filesave](#) ([EventList](#) \*eventlist)
- int [newevent](#) ([EventList](#) \*eventlist)
- char \* [hosszu\\_sort\\_olvas](#) (int bufferhossz)
- void [mainmenu](#) ()
- void [scanmainmenu](#) ([EventList](#) \*eventlist)
- void [searchmenu](#) ([EventList](#) \*eventlist)
- void [savemenu](#) ([EventList](#) \*eventlist)
- int [scansavemenu](#) ([EventList](#) \*eventlist)
- void [exitmenu](#) ([EventList](#) \*eventlist)
- int [scanexitmenu](#) ([EventList](#) \*eventlist)
- int [printmenu](#) ([MenuPont](#) \*menupontok)

## 6.10.1 Function Documentation

### 6.10.1.1 exitmenu()

```
void exitmenu (  
    EventList * eventlist )
```

### 6.10.1.2 filesave()

```
void filesave (  
    EventList * eventlist )
```

### 6.10.1.3 hosszu\_sort\_olvas()

```
char* hosszu_sort_olvas (  
    int bufferhossz )
```

### 6.10.1.4 mainmenu()

```
void mainmenu ( )
```

### 6.10.1.5 newevent()

```
int newevent (  
    EventList * eventlist )
```

### 6.10.1.6 printmenu()

```
int printmenu (  
    MenuPont * menupontok )
```

#### 6.10.1.7 savemenu()

```
void savemenu (
    EventList * eventlist )
```

#### 6.10.1.8 scanexitmenu()

```
int scanexitmenu (
    EventList * eventlist )
```

#### 6.10.1.9 scanmainmenu()

```
void scanmainmenu (
    EventList * eventlist )
```

#### 6.10.1.10 scansavemenu()

```
int scansavemenu (
    EventList * eventlist )
```

#### 6.10.1.11 searchmenu()

```
void searchmenu (
    EventList * eventlist )
```

## 6.11 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/menu.h File Reference

```
#include "structures.h"
```

### Functions

- void [filesave](#) ([EventList](#) \*eventlist)
- int [newevent](#) ([EventList](#) \*eventlist)
- char \* [hosszu\\_sort\\_olvas](#) (int bufferhossz)
- void [mainmenu](#) ()
- void [scanmainmenu](#) ([EventList](#) \*eventlist)
- void [searchmenu](#) ([EventList](#) \*eventlist)
- void [savemenu](#) ([EventList](#) \*eventlist)
- int [scansavemenu](#) ([EventList](#) \*eventlist)
- void [exitmenu](#) ([EventList](#) \*eventlist)
- int [scanexitmenu](#) ([EventList](#) \*eventlist)
- int [printmenu](#) ([MenuPont](#) \*menupontok)

## 6.11.1 Function Documentation

### 6.11.1.1 exitmenu()

```
void exitmenu (  
    EventList * eventlist )
```

### 6.11.1.2 filesave()

```
void filesave (  
    EventList * eventlist )
```

### 6.11.1.3 hosszu\_sort\_olvas()

```
char* hosszu_sort_olvas (  
    int bufferhossz )
```

### 6.11.1.4 mainmenu()

```
void mainmenu ( )
```

### 6.11.1.5 neuevent()

```
int neuevent (  
    EventList * eventlist )
```

### 6.11.1.6 printmenu()

```
int printmenu (  
    MenuPont * menupontok )
```

**6.11.1.7 savemenu()**

```
void savemenu (  
    EventList * eventlist )
```

**6.11.1.8 scanexitmenu()**

```
int scanexitmenu (  
    EventList * eventlist )
```

**6.11.1.9 scanmainmenu()**

```
void scanmainmenu (  
    EventList * eventlist )
```

**6.11.1.10 scansavemenu()**

```
int scansavemenu (  
    EventList * eventlist )
```

**6.11.1.11 searchmenu()**

```
void searchmenu (  
    EventList * eventlist )
```

**6.12 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/search.c  
File Reference**

```
#include "search.h"  
#include "structures.h"  
#include <stdlib.h>  
#include <string.h>  
#include <stdbool.h>  
#include <time.h>  
#include <stdio.h>  
#include "debugmalloc.h"
```

## Functions

- int `searchiter` (`EventList` \*eventlist, `SearchConditions` condition)
- int `searchactual` (`EventList` \*eventlist, `SearchBy` searchmode)
- void `inserttofindlist` (`FindList` \*findlist, `Event` \*event)
- int `tmtoweek` (`Tm` \*tm)
- `Tm` \* `eventtotm` (`Event` \*event)

### 6.12.1 Function Documentation

#### 6.12.1.1 eventtotm()

```
Tm* eventtotm (
    Event * event )
```

#### 6.12.1.2 inserttofindlist()

```
void inserttofindlist (
    FindList * findlist,
    Event * event )
```

#### 6.12.1.3 searchactual()

```
int searchactual (
    EventList * eventlist,
    SearchBy searchmode )
```

#### 6.12.1.4 searchiter()

```
int searchiter (
    EventList * eventlist,
    SearchConditions condition )
```

#### 6.12.1.5 tmtoweek()

```
int tmtoweek (
    Tm * tm )
```

## 6.13 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/search.h File Reference

```
#include <stdbool.h>
#include "structures.h"
```

### Typedefs

- typedef enum [SearchBy](#) [SearchBy](#)

### Enumerations

- enum [SearchBy](#) { [byweek](#), [byday](#), [bymonth](#) }

### Functions

- int [searchiter](#) ([EventList](#) \*eventlist, [SearchConditions](#) condition)
- int [searchactual](#) ([EventList](#) \*eventlist, [SearchBy](#) searchmode)
- void [inserttofindlist](#) ([FindList](#) \*findlist, [Event](#) \*event)
- int [tmtoweeek](#) ([Tm](#) \*tm)
- [Tm](#) \* [eventtotm](#) ([Event](#) \*event)

#### 6.13.1 Typedef Documentation

##### 6.13.1.1 SearchBy

```
typedef enum SearchBy SearchBy
```

#### 6.13.2 Enumeration Type Documentation

##### 6.13.2.1 SearchBy

```
enum SearchBy
```

##### Enumerator

<a href="#">byweek</a>	
<a href="#">byday</a>	
<a href="#">bymonth</a>	

### 6.13.3 Function Documentation

#### 6.13.3.1 eventtotm()

```
Tm* eventtotm (
    Event * event )
```

#### 6.13.3.2 inserttofindlist()

```
void inserttofindlist (
    FindList * findlist,
    Event * event )
```

#### 6.13.3.3 searchactual()

```
int searchactual (
    EventList * eventlist,
    SearchBy searchmode )
```

#### 6.13.3.4 searchiter()

```
int searchiter (
    EventList * eventlist,
    SearchConditions condition )
```

#### 6.13.3.5 tmtoweeek()

```
int tmtoweeek (
    Tm * tm )
```

## 6.14 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/searchui.c File Reference

```
#include "structures.h"
#include <stdbool.h>
#include <stdio.h>
```



## Functions

- char `scaninput` ( )
- int `searchbyname` (EventList \*eventlist)
- int `searchbyweek` (EventList \*eventlist)
- int `searchbymonth` (EventList \*eventlist)
- int `searchbyday` (EventList \*eventlist)
- int `printfindlist` (FindList \*findlist, SearchConditions condition, EventList \*eventlist)
- int `scanfindlist` (int i, FindList \*findlist, SearchConditions condition, EventList \*eventlist)
- void `printevent_short` (Event \*event)

### 6.14.1 Function Documentation

#### 6.14.1.1 `printevent_short()`

```
void printevent_short (
    Event * event )
```

#### 6.14.1.2 `printfindlist()`

```
int printfindlist (
    FindList * findlist,
    SearchConditions condition,
    EventList * eventlist )
```

#### 6.14.1.3 `scanfindlist()`

```
int scanfindlist (
    int i,
    FindList * findlist,
    SearchConditions condition,
    EventList * eventlist )
```

#### 6.14.1.4 `scaninput()`

```
char scaninput ( )
```

#### 6.14.1.5 searchbyday()

```
int searchbyday (  
    EventList * eventlist )
```

#### 6.14.1.6 searchbymonth()

```
int searchbymonth (  
    EventList * eventlist )
```

#### 6.14.1.7 searchbyname()

```
int searchbyname (  
    EventList * eventlist )
```

#### 6.14.1.8 searchbyweek()

```
int searchbyweek (  
    EventList * eventlist )
```

## 6.15 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/searchui.h File Reference

### Functions

- char [scaninput](#) ()
- int [searchbyname](#) ([EventList](#) \*eventlist)
- int [searchbyweek](#) ([EventList](#) \*eventlist)
- int [searchbymonth](#) ([EventList](#) \*eventlist)
- int [searchbyday](#) ([EventList](#) \*eventlist)
- int [printfindlist](#) ([FindList](#) \*findlist, [SearchConditions](#) condition, [EventList](#) \*eventlist)
- int [scanfindlist](#) (int i, [FindList](#) \*findlist, [SearchConditions](#) condition, [EventList](#) \*eventlist)
- void [printevent\\_short](#) ([Event](#) \*event)

#### 6.15.1 Function Documentation

#### 6.15.1.1 printevent\_short()

```
void printevent_short (
    Event * event )
```

#### 6.15.1.2 printfindlist()

```
int printfindlist (
    FindList * findlist,
    SearchConditions condition,
    EventList * eventlist )
```

#### 6.15.1.3 scanfindlist()

```
int scanfindlist (
    int i,
    FindList * findlist,
    SearchConditions condition,
    EventList * eventlist )
```

#### 6.15.1.4 scaninput()

```
char scaninput ( )
```

#### 6.15.1.5 searchbyday()

```
int searchbyday (
    EventList * eventlist )
```

#### 6.15.1.6 searchbymonth()

```
int searchbymonth (
    EventList * eventlist )
```

#### 6.15.1.7 searchbyname()

```
int searchbyname (
    EventList * eventlist )
```

#### 6.15.1.8 searchbyweek()

```
int searchbyweek (
    EventList * eventlist )
```

### 6.16 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h File Reference

```
#include <time.h>
```

#### Data Structures

- struct [Event](#)
- struct [EventList](#)
- struct [FoundEvent](#)
- struct [FindList](#)
- struct [SearchConditions](#)
- struct [MenuPont](#)

#### Typedefs

- typedef struct [Event](#) [Event](#)
- typedef struct [EventList](#) [EventList](#)
- typedef struct [FoundEvent](#) [FoundEvent](#)
- typedef struct [FindList](#) [FindList](#)
- typedef struct [SearchConditions](#) [SearchConditions](#)
- typedef void(\* [MenuFv](#)) ([EventList](#) \*)
- typedef struct [MenuPont](#) [MenuPont](#)
- typedef struct tm [Tm](#)

#### 6.16.1 Typedef Documentation

##### 6.16.1.1 Event

```
typedef struct Event Event
```

#### **6.16.1.2 EventList**

```
typedef struct EventList EventList
```

#### **6.16.1.3 FindList**

```
typedef struct FindList FindList
```

#### **6.16.1.4 FoundEvent**

```
typedef struct FoundEvent FoundEvent
```

#### **6.16.1.5 MenuFv**

```
typedef void(* MenuFv) (EventList *)
```

#### **6.16.1.6 MenuPont**

```
typedef struct MenuPont MenuPont
```

#### **6.16.1.7 SearchConditions**

```
typedef struct SearchConditions SearchConditions
```

#### **6.16.1.8 Tm**

```
typedef struct tm Tm
```



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