calendar

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Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

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/home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/list.c 20
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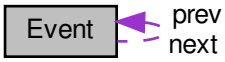
Chapter 3

Data Structure Documentation

3.1 Event Struct Reference

`#include <structures.h>`

Collaboration diagram for Event:



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

3.1.1 Field Documentation

3.1.1.1 comment

```
char* comment
```

3.1.1.2 day

```
int day
```

3.1.1.3 endhour

```
int endhour
```

3.1.1.4 endmin

```
int endmin
```

3.1.1.5 location

```
char* location
```

3.1.1.6 month

```
int month
```

3.1.1.7 name

```
char* name
```

3.1.1.8 next

```
struct Event* next
```

3.1.1.9 prev

```
struct Event* prev
```

3.1.1.10 starthour

```
int starthour
```

3.1.1.11 startmin

```
int startmin
```

3.1.1.12 year

```
int year
```

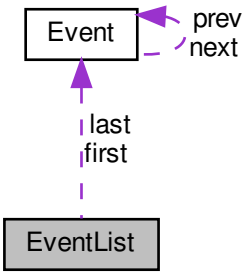
The documentation for this struct was generated from the following file:

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

3.2 EventList Struct Reference

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

Collaboration diagram for EventList:



Data Fields

- Event * first
- Event * last

3.2.1 Field Documentation

3.2.1.1 first

```
Event* first
```

3.2.1.2 last

```
Event* last
```

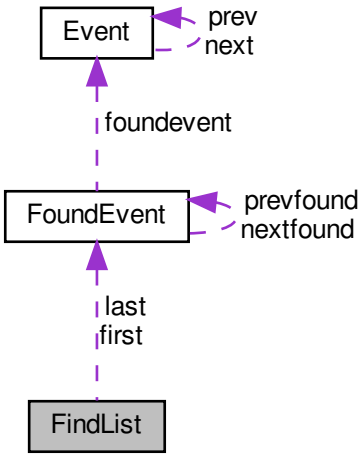
The documentation for this struct was generated from the following file:

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

3.3 FindList Struct Reference

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

Collaboration diagram for FindList:



Data Fields

- FoundEvent * first
- FoundEvent * last

3.3.1 Field Documentation

3.3.1.1 first

```
FoundEvent* first
```

3.3.1.2 last

```
FoundEvent* last
```

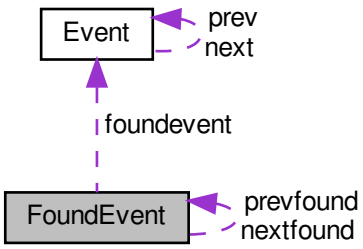
The documentation for this struct was generated from the following file:

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

3.4 FoundEvent Struct Reference

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

Collaboration diagram for FoundEvent:



Data Fields

- Event * foundevent
- struct FoundEvent * prevfound
- struct FoundEvent * nextfound

3.4.1 Field Documentation

3.4.1.1 foundevent

```
Event* foundevent
```

3.4.1.2 nextfound

```
struct FoundEvent* nextfound
```

3.4.1.3 prevfound

```
struct FoundEvent* prevfound
```

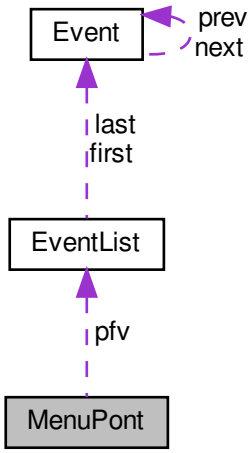
The documentation for this struct was generated from the following file:

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

3.5 MenuPont Struct Reference

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

Collaboration diagram for MenuPont:



Data Fields

- char const * nev
- MenuFv pfv

3.5.1 Field Documentation

3.5.1.1 nev

```
char const* nev
```

3.5.1.2 pfv

```
MenuFv pfv
```

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

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

3.6 SearchConditions Struct Reference

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

Data Fields

- char * name
- int year
- int week
- int month
- int day

3.6.1 Field Documentation

3.6.1.1 day

```
int day
```

3.6.1.2 month

```
int month
```

3.6.1.3 name

```
char* name
```

3.6.1.4 week

```
int week
```

3.6.1.5 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

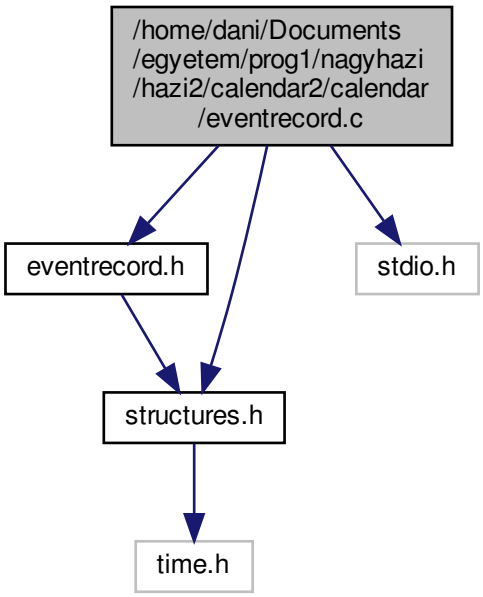
Chapter 4

File Documentation

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

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

Include dependency graph for eventrecord.c:



Functions

- printeventrecord (Event *event)

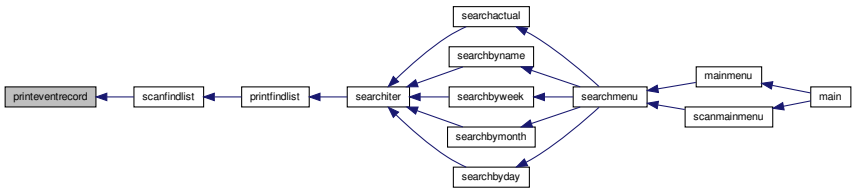
4.1.1 Function Documentation

4.1.1.1 printeventrecord()

```
printeventrecord (
            Event * event )
```

Here is the call graph for this function:

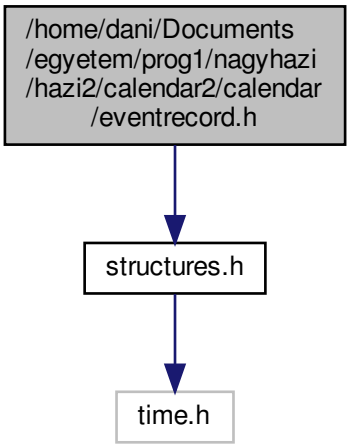
Here is the caller graph for this function:



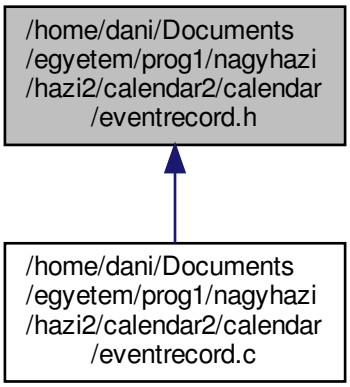
4.2 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/eventrecord.h File Reference

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

Include dependency graph for eventrecord.h:



This graph shows which files directly or indirectly include this file:

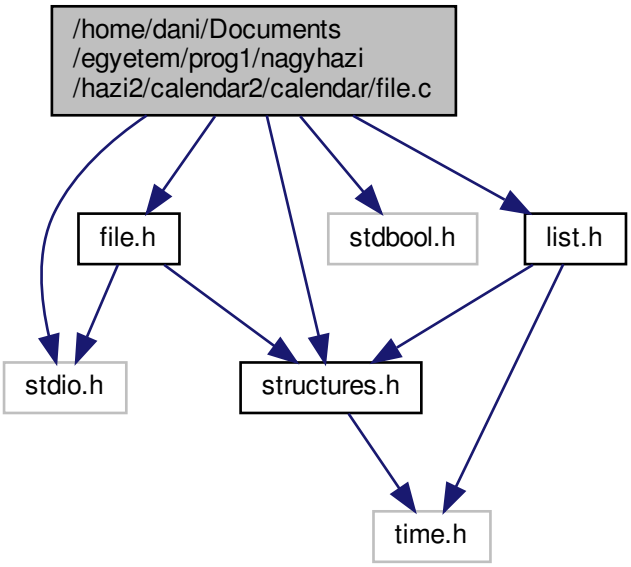


4.3 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/file.c File Reference

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

```
#include "list.h"
```

Include dependency graph for file.c:



Functions

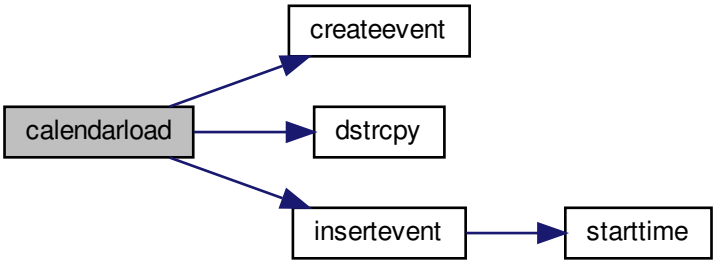
- char * dstrcpy (char *str)
- bool calendarload (EventList *eventlist)
- bool calendarsave (EventList *eventlist)

4.3.1 Function Documentation

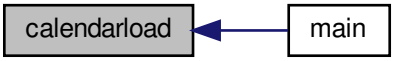
4.3.1.1 calendarload()

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

Here is the call graph for this function:



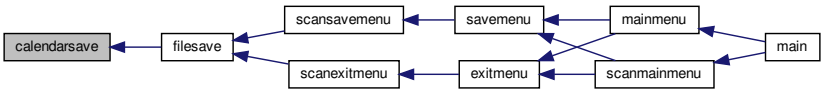
Here is the caller graph for this function:



4.3.1.2 calendarsave()

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

Here is the caller graph for this function:



4.3.1.3 dstrcpy()

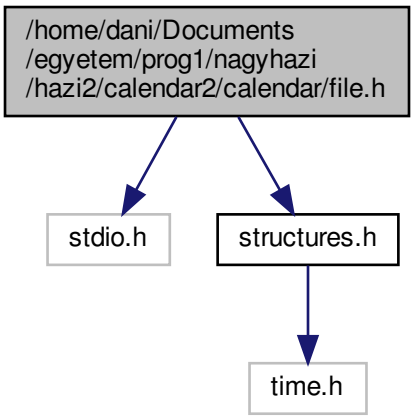
```
char* dstrcpy (
            char * str )
```

Here is the caller graph for this function:

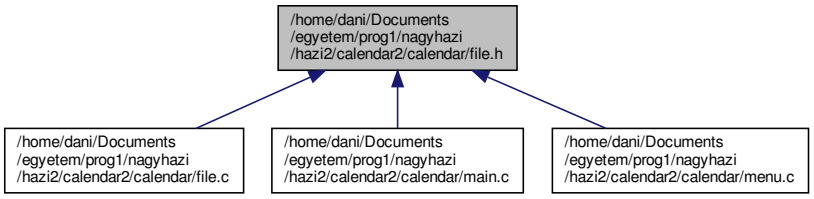
4.4 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/file.h File Reference

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

Include dependency graph for file.h:



This graph shows which files directly or indirectly include this file:



Functions

- void fileload ()
- void filesave (EventList *eventlist)

4.4.1 Function Documentation

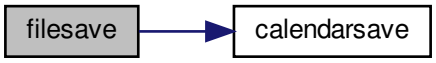
4.4.1.1 fileload()

```
void fileload ( )
```

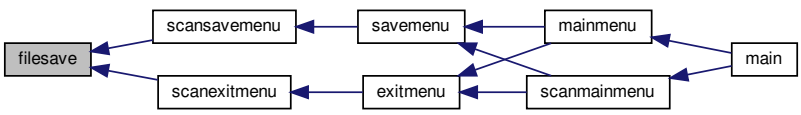
4.4.1.2 filesave()

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

Here is the call graph for this function:



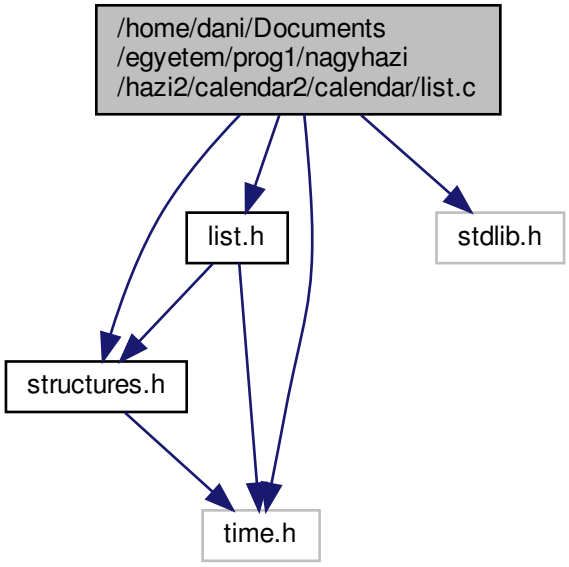
Here is the caller graph for this function:



4.5 /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 dependency graph for list.c:



Functions

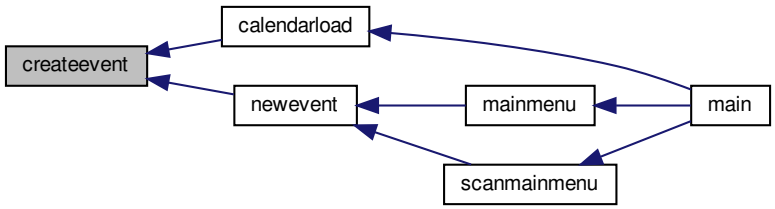
- EventList ∗ initeventlist ()
- Event ∗ createevent (int ev, int honap, int nap, int ora, int perc, int bora, int bperc, char ∗nev, char ∗hely, char ∗comment)
- void insertevent (EventList ∗eventlist, Event ∗event)
- int starttime (Event ∗event)
- void printevent_short (Event ∗event)

4.5.1 Function Documentation

4.5.1.1 createevent()

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

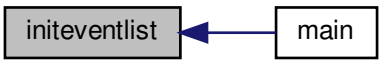
Here is the caller graph for this function:



4.5.1.2 initeventlist()

```
EventList* initeventlist ( )
```

Here is the caller graph for this function:

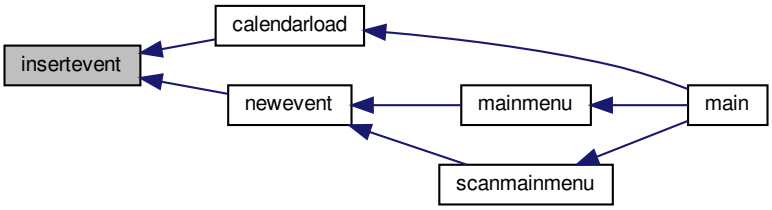


4.5.1.3 insertevent()

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

Here is the call graph for this function:

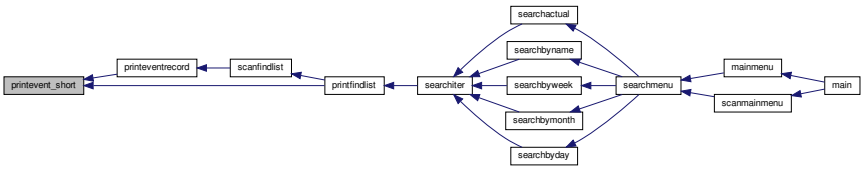
Here is the caller graph for this function:



4.5.1.4 printevent_short()

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

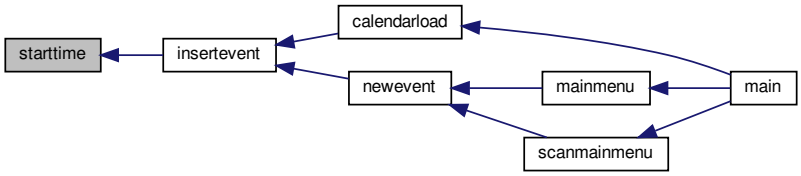
Here is the caller graph for this function:



4.5.1.5 starttime()

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

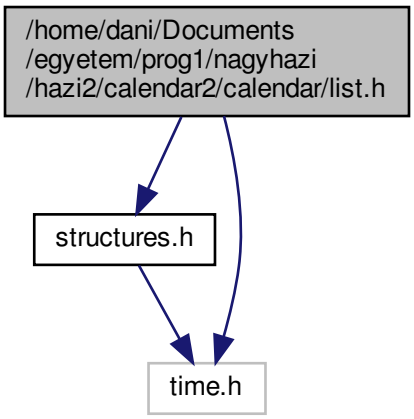
Here is the caller graph for this function:



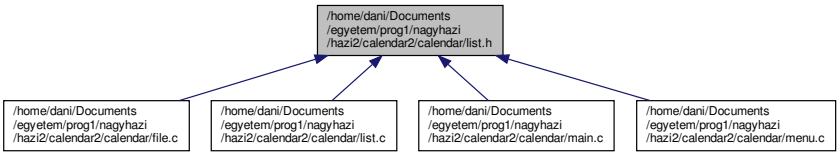
4.6 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/list.h File Reference

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

Include dependency graph for list.h:



This graph shows which files directly or indirectly include this file:



Typedefs

- typedef struct tm Tm

Functions

- EventList ∗ initeventlist ()
- void printevent_short (Event ∗event)
- void insertevent (EventList ∗eventlist, Event ∗event)
- Event ∗ createevent (int ev, int honap, int nap, int ora, int perc, int bora, int bperc, char ∗nev, char ∗hely, char ∗comment)

4.6.1 Typedef Documentation

4.6.1.1 Tm

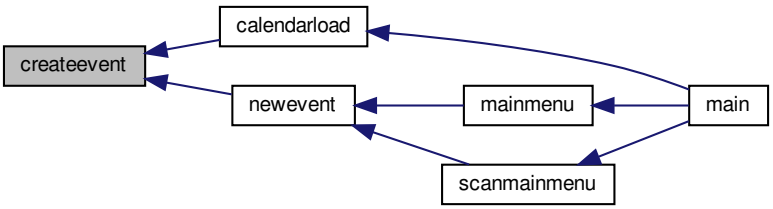
```
typedef struct tm Tm
```

4.6.2 Function Documentation

4.6.2.1 createevent()

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

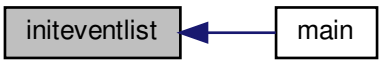
Here is the caller graph for this function:



4.6.2.2 initeventlist()

```
EventList* initeventlist ( )
```

Here is the caller graph for this function:

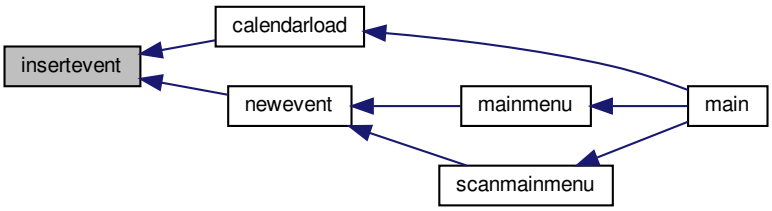


4.6.2.3 insertevent()

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

Here is the call graph for this function:

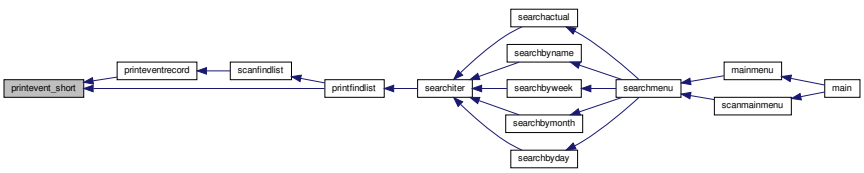
Here is the caller graph for this function:



4.6.2.4 printevent_short()

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

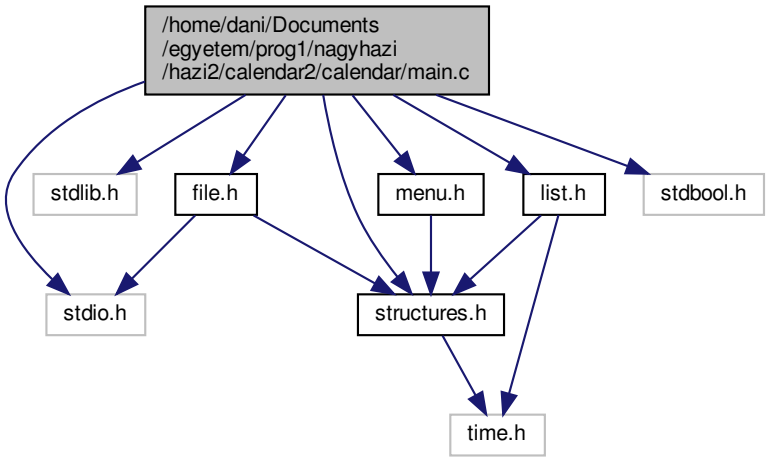
Here is the caller graph for this function:



4.7 /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 dependency graph for main.c:



Functions

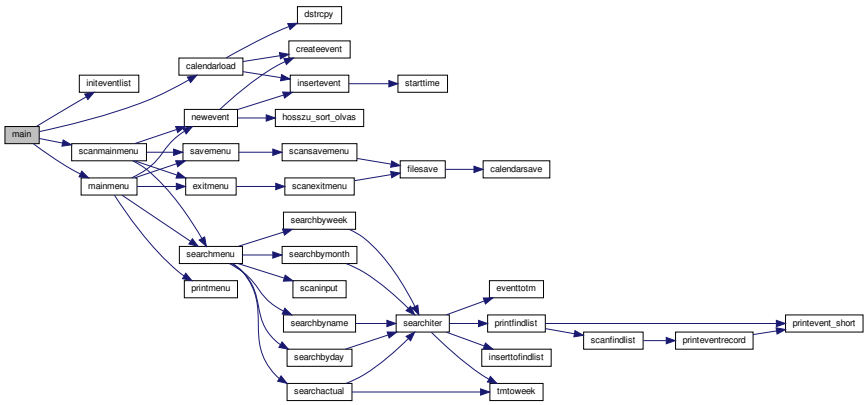
- int main ()

4.7.1 Function Documentation

4.7.1.1 main()

```
int main ( )
```

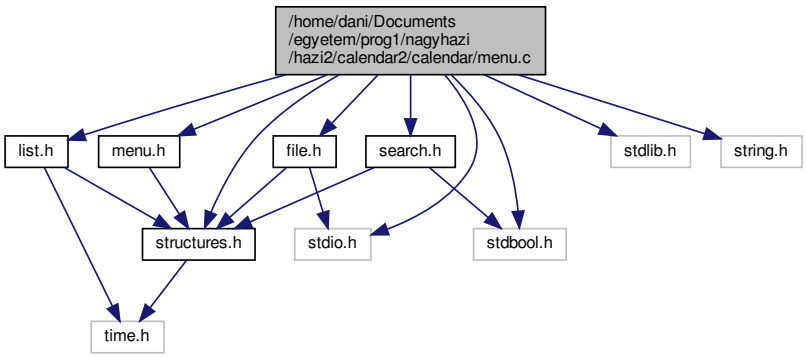
Here is the call graph for this function:



4.8 /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 dependency graph for menu.c:



Functions

- char scaninput ()
- void filesave (EventList *eventlist)

- void 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)
- void callmenu (int meret, MenuPont *menupontok, EventList *eventlist)

4.8.1 Function Documentation

4.8.1.1 callmenu()

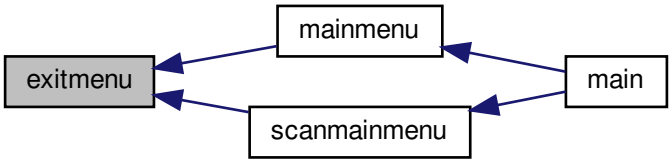
```
void callmenu (
            int meret,
            MenuPont * menupontok,
            EventList * eventlist )
```

4.8.1.2 exitmenu()

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

Here is the call graph for this function:

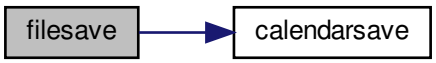
Here is the caller graph for this function:



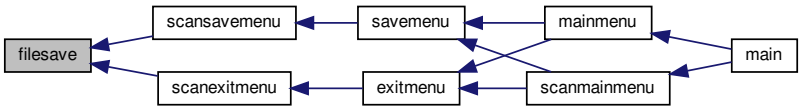
4.8.1.3 filesave()

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

Here is the call graph for this function:



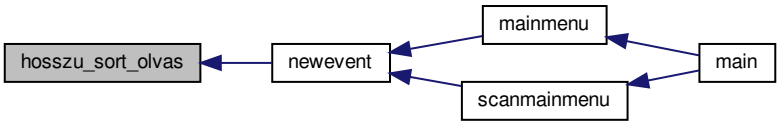
Here is the caller graph for this function:



4.8.1.4 hosszu_sort_olvas()

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

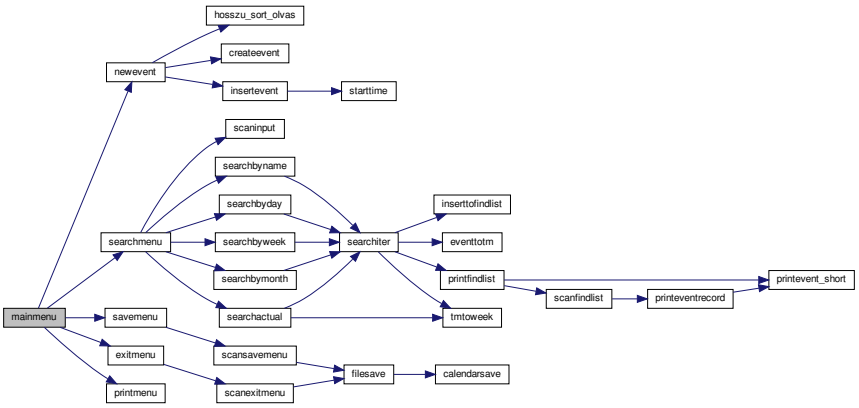
Here is the caller graph for this function:



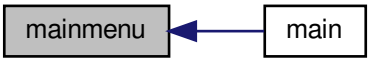
4.8.1.5 mainmenu()

```
void mainmenu ( )
```

Here is the call graph for this function:



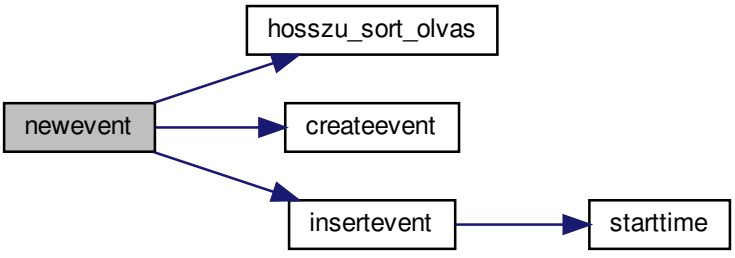
Here is the caller graph for this function:



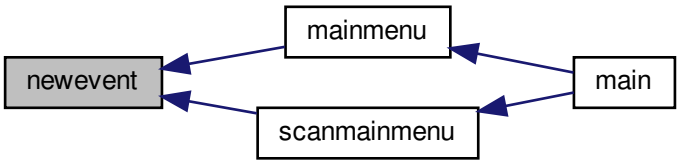
4.8.1.6 newevent()

```
void newevent (
            EventList * eventlist )
```

Here is the call graph for this function:



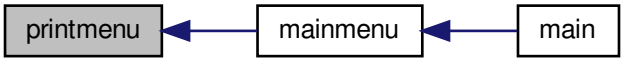
Here is the caller graph for this function:



4.8.1.7 printmenu()

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

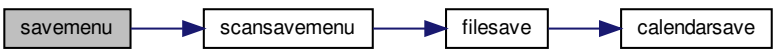
Here is the caller graph for this function:



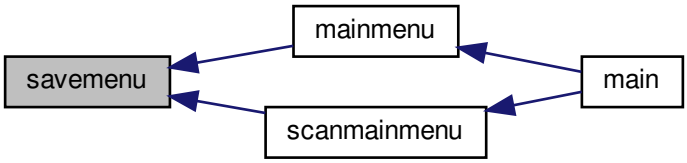
4.8.1.8 savemenu()

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

Here is the call graph for this function:



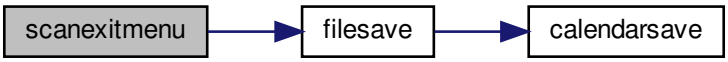
Here is the caller graph for this function:



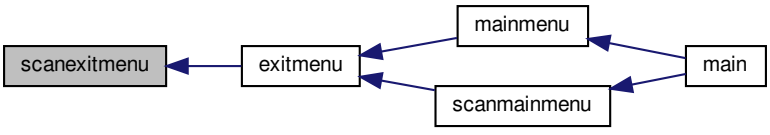
4.8.1.9 scanexitmenu()

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

Here is the call graph for this function:



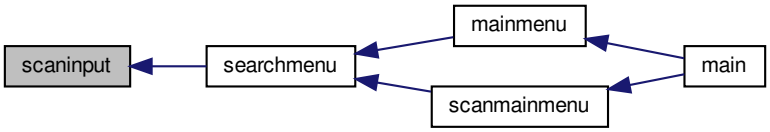
Here is the caller graph for this function:



4.8.1.10 scaninput()

```
char scaninput ( )
```

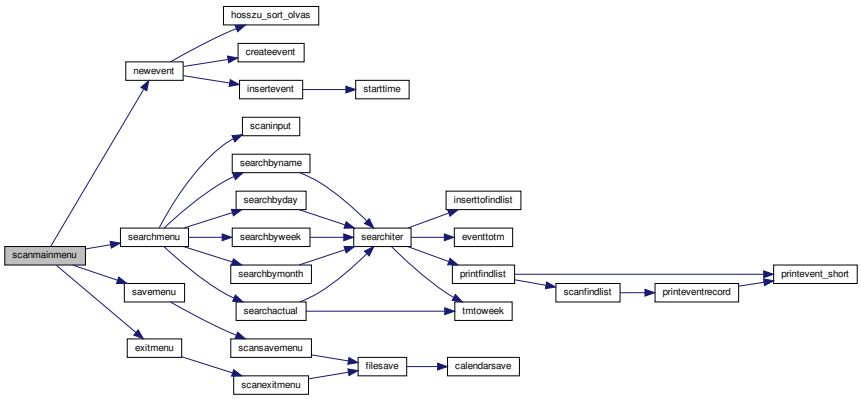
Here is the caller graph for this function:



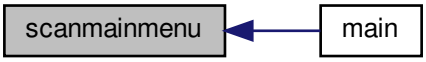
4.8.1.11 scanmainmenu()

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

Here is the call graph for this function:



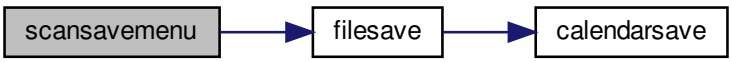
Here is the caller graph for this function:



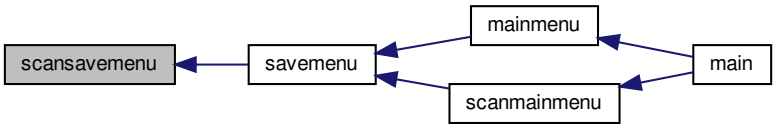
4.8.1.12 scansavemenu()

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

Here is the call graph for this function:



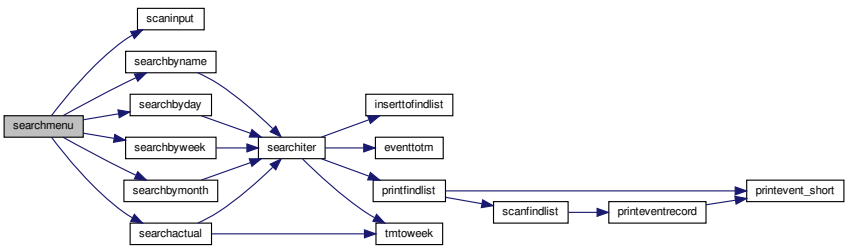
Here is the caller graph for this function:



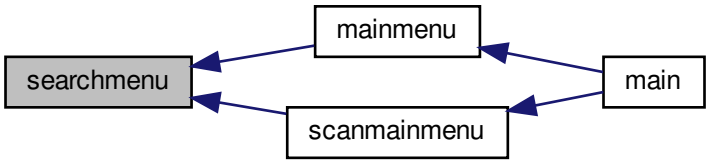
4.8.1.13 searchmenu()

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

Here is the call graph for this function:



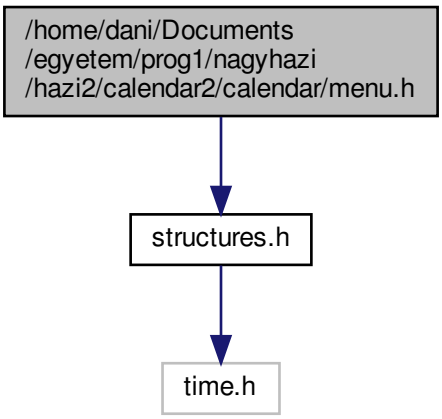
Here is the caller graph for this function:



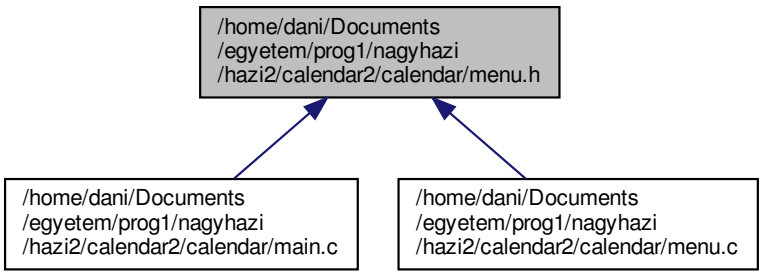
4.9 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/menu.h File Reference

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

Include dependency graph for menu.h:



This graph shows which files directly or indirectly include this file:



Functions

- void newevent ()
- void searchmenu ()
- void savemenu ()
- void exitmenu ()
- int printmenu (MenuPont *menupontok)
- char * hosszu_sort_olvas (int bufferhossz)

4.9.1 Function Documentation

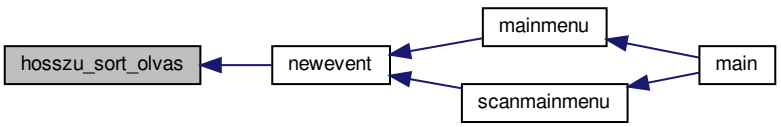
4.9.1.1 exitmenu()

```
void exitmenu ( )
```

4.9.1.2 hosszu_sort_olvas()

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

Here is the caller graph for this function:



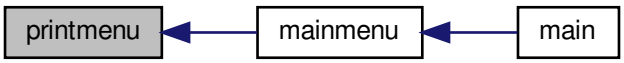
4.9.1.3 newevent()

```
void newevent ( )
```

4.9.1.4 printmenu()

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

Here is the caller graph for this function:



4.9.1.5 savemenu()

```
void savemenu ( )
```

4.9.1.6 searchmenu()

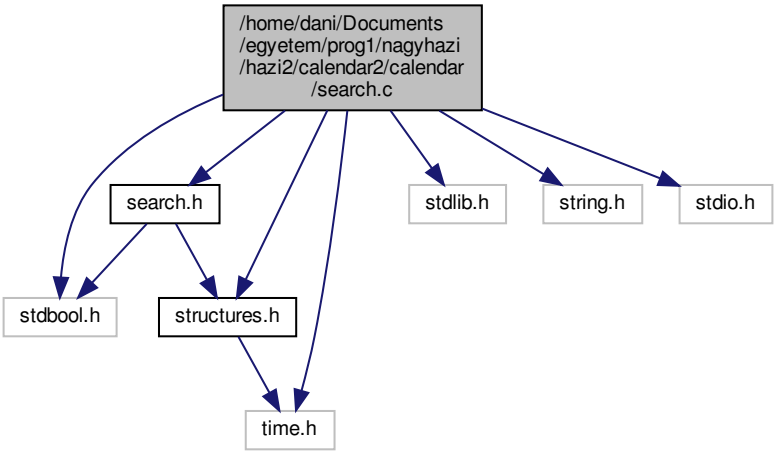
```
void searchmenu ( )
```

4.10 /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 dependency graph for search.c:



Functions

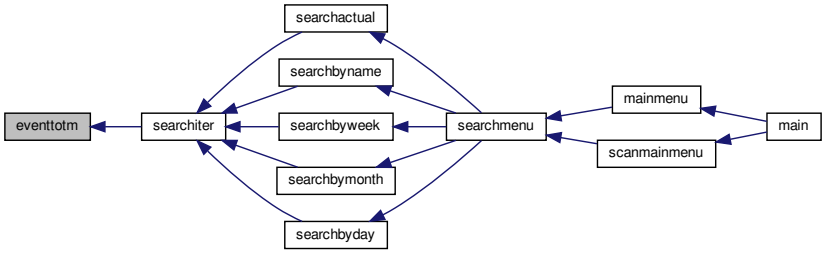
- int searchiter (EventList *eventlist, SearchConditions condition)
- int searchactual (EventList *eventlist, SearchBy searchmode)
- int searchbyname (EventList *eventlist)
- int searchbyweek (EventList *eventlist)
- int searchbymonth (EventList *eventlist)
- int searchbyday (EventList *eventlist)
- void inserttofindlist (FindList *findlist, Event *event)
- int tmtoweek (Tm *tm)
- Tm * eventtotm (Event *event)
- int printfindlist (FindList *findlist, SearchConditions condition)
- int scanfindlist (int i, FindList *findlist)

4.10.1 Function Documentation

4.10.1.1 eventtotm()

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

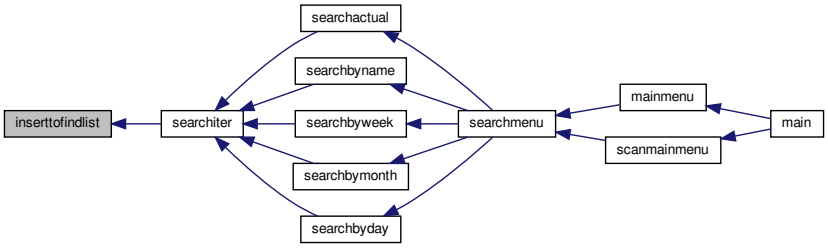
Here is the caller graph for this function:



4.10.1.2 inserttofindlist()

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

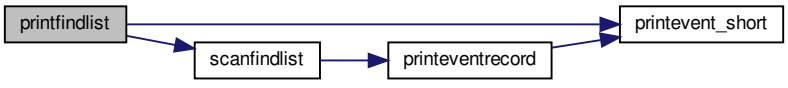
Here is the caller graph for this function:



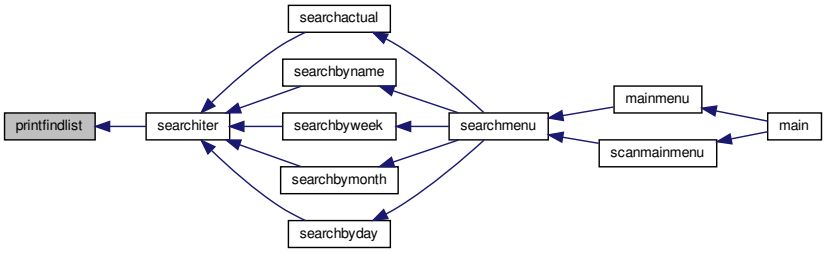
4.10.1.3 printfindlist()

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

Here is the call graph for this function:



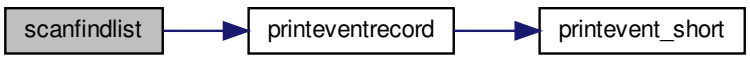
Here is the caller graph for this function:



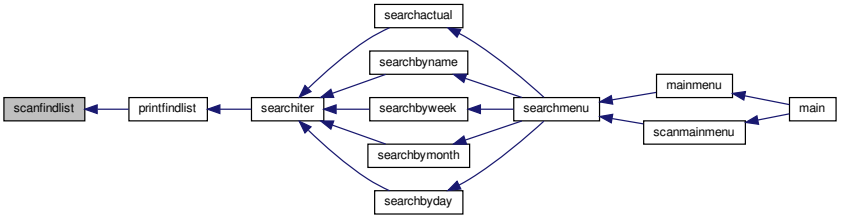
4.10.1.4 scanfindlist()

```
int scanfindlist (
            int i,
            FindList * findlist )
```

Here is the call graph for this function:



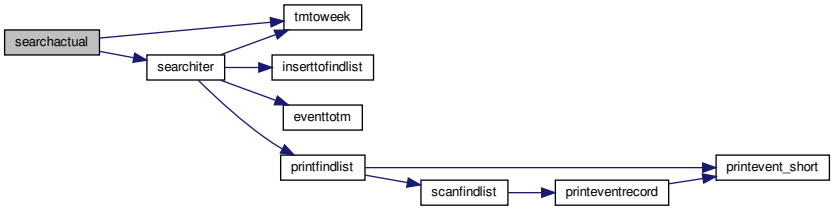
Here is the caller graph for this function:



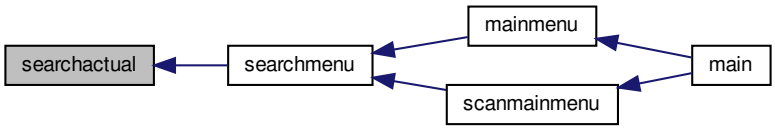
4.10.1.5 searchactual()

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

Here is the call graph for this function:



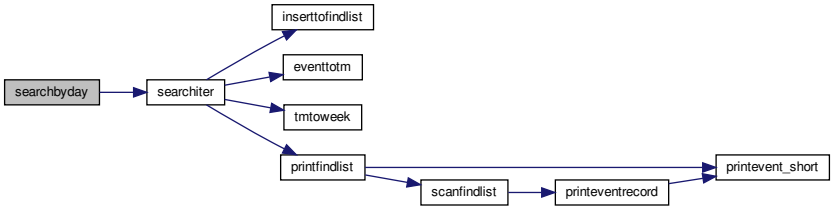
Here is the caller graph for this function:



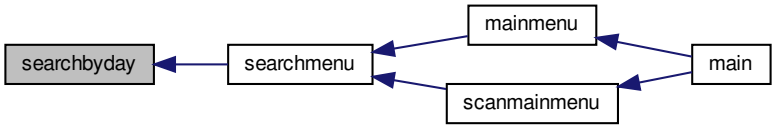
4.10.1.6 searchbyday()

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

Here is the call graph for this function:



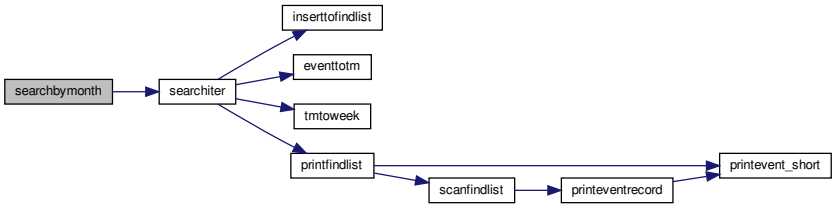
Here is the caller graph for this function:



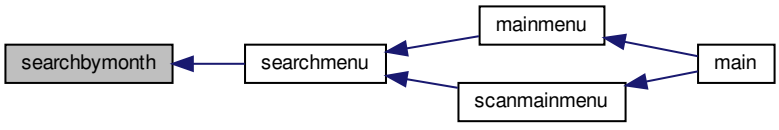
4.10.1.7 searchbymonth()

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

Here is the call graph for this function:



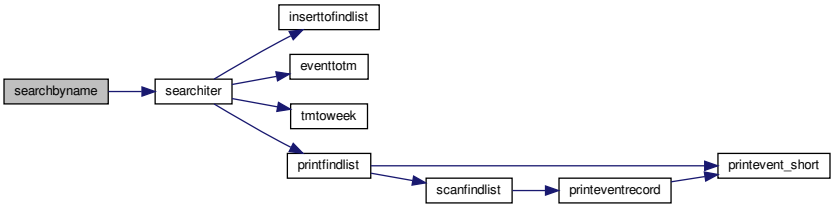
Here is the caller graph for this function:



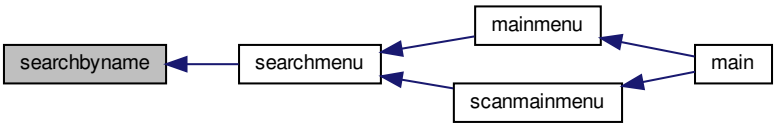
4.10.1.8 searchbyname()

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

Here is the call graph for this function:



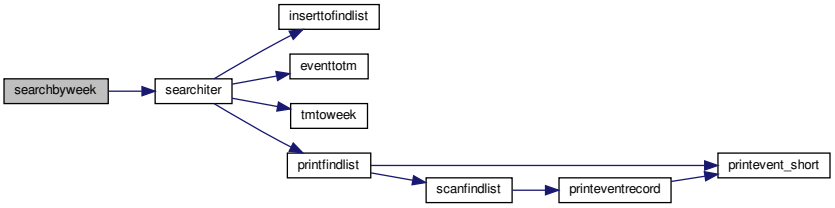
Here is the caller graph for this function:



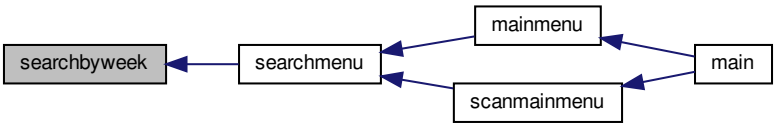
4.10.1.9 searchbyweek()

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

Here is the call graph for this function:



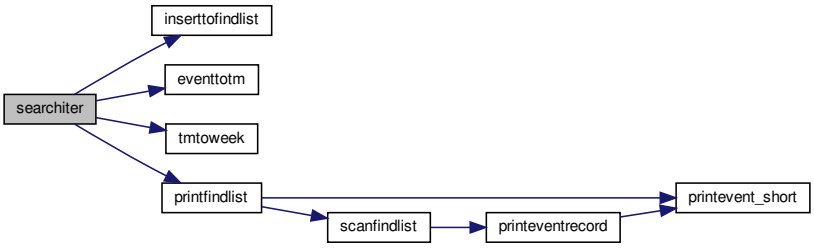
Here is the caller graph for this function:



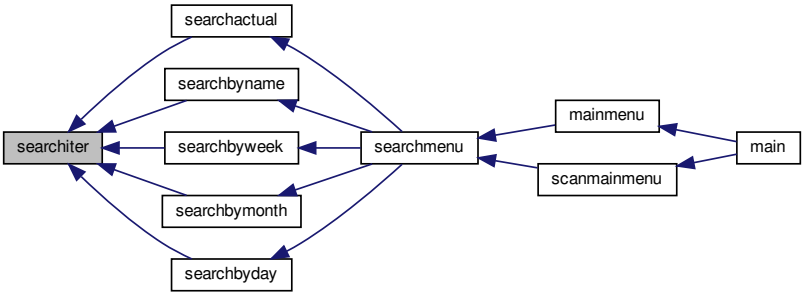
4.10.1.10 searchiter()

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

Here is the call graph for this function:



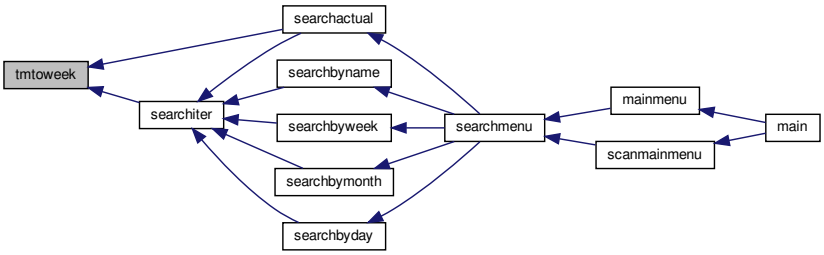
Here is the caller graph for this function:



4.10.1.11 tmtoweek()

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

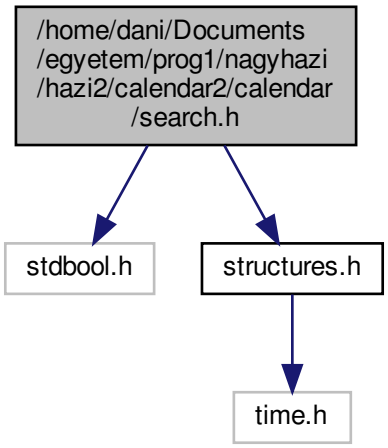
Here is the caller graph for this function:



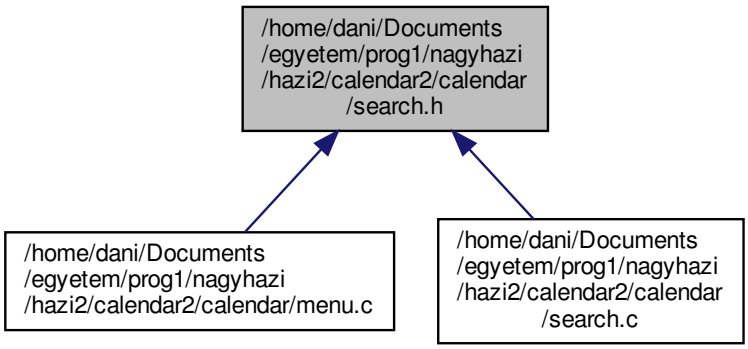
4.11 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/search.h File Reference

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

Include dependency graph for search.h:



This graph shows which files directly or indirectly include this file:



Typedefs

- typedef enum IterMode IterMode
- typedef enum SearchBy SearchBy

Enumerations

- enum IterMode { insertion, lookup }
- enum SearchBy { byweek, byday, bymonth }

Functions

- SearchConditions printsearchmenu ()
- int searchbyname (EventList *eventlist)
- int searchbymonth (EventList *eventlist)
- int searchbyweek (EventList *eventlist)
- Tm * eventtotm (Event *event)
- int searchbyday (EventList *eventlist)
- void scansearchmenucommand ()
- bool istrueevent (bool condition)
- void puttofindlist (Event *event)
- void inserttofindlist (FindList *findlist, Event *event)

4.11.1 Typedef Documentation

4.11.1.1 IterMode

```
typedef enum IterMode IterMode
```

4.11.1.2 SearchBy

```
typedef enum SearchBy SearchBy
```

4.11.2 Enumeration Type Documentation

4.11.2.1 IterMode

```
enum IterMode
```

Enumerator

insertion	
lookup	

4.11.2.2 SearchBy

```
enum SearchBy
```

Enumerator

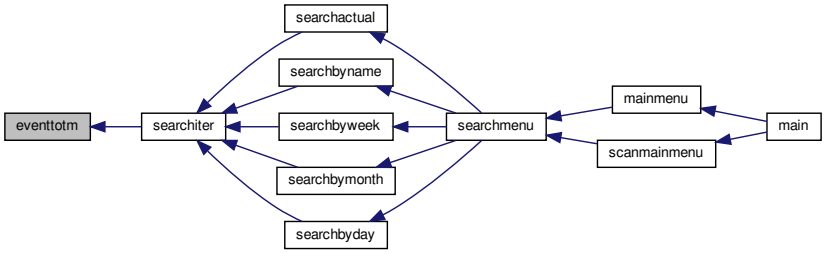
byweek	
byday	
bymonth	

4.11.3 Function Documentation

4.11.3.1 eventtotm()

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

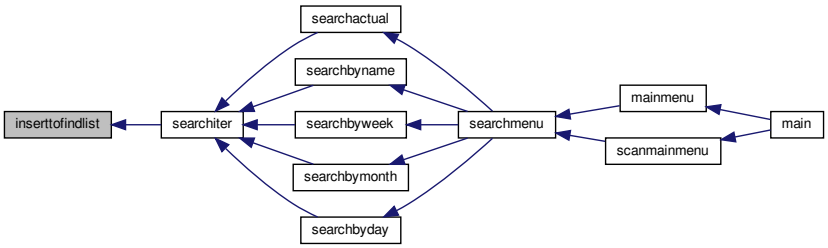
Here is the caller graph for this function:



4.11.3.2 inserttofindlist()

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

Here is the caller graph for this function:



4.11.3.3 istrueevent()

```
bool istrueevent (
            bool condition )
```

4.11.3.4 printsearchmenu()

```
SearchConditions printsearchmenu ( )
```

4.11.3.5 puttofindlist()

```
void puttofindlist (
            Event * event )
```

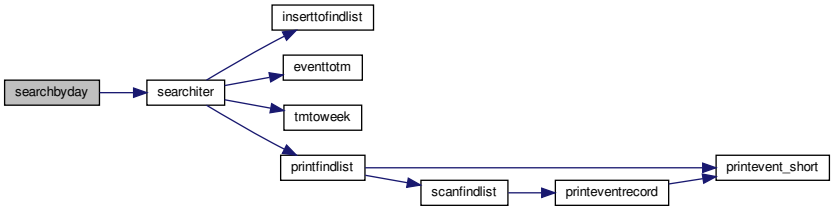
4.11.3.6 scansearchmenucommand()

```
void scansearchmenucommand ( )
```

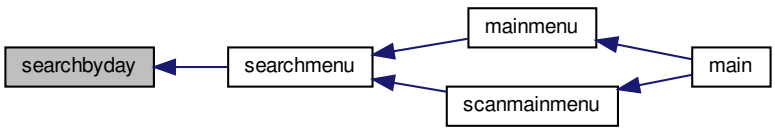
4.11.3.7 searchbyday()

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

Here is the call graph for this function:



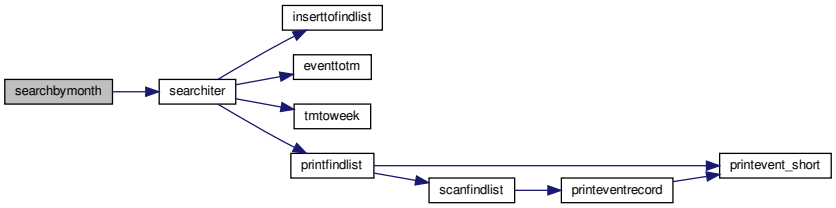
Here is the caller graph for this function:



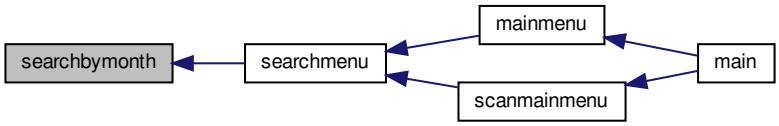
4.11.3.8 searchbymonth()

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

Here is the call graph for this function:



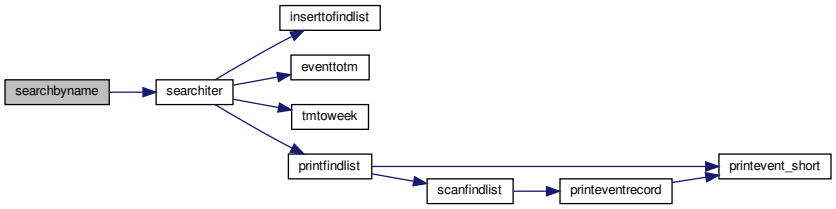
Here is the caller graph for this function:



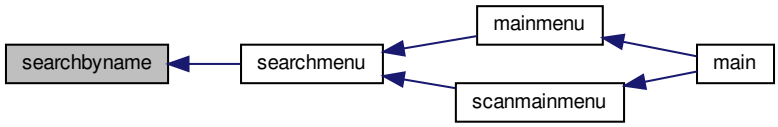
4.11.3.9 searchbyname()

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

Here is the call graph for this function:



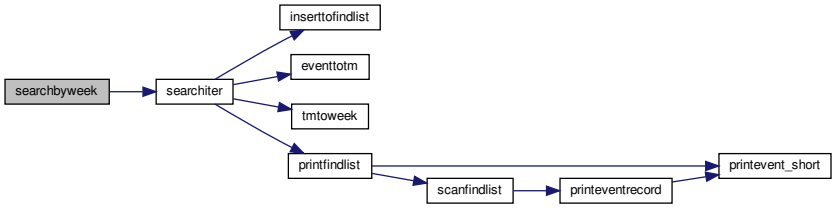
Here is the caller graph for this function:



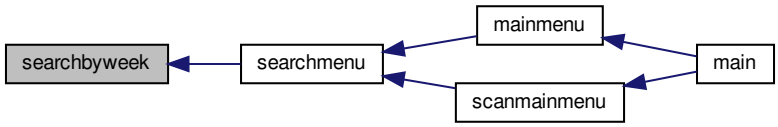
4.11.3.10 searchbyweek()

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

Here is the call graph for this function:



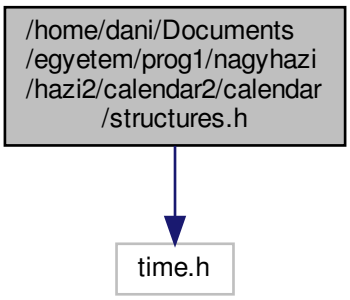
Here is the caller graph for this function:



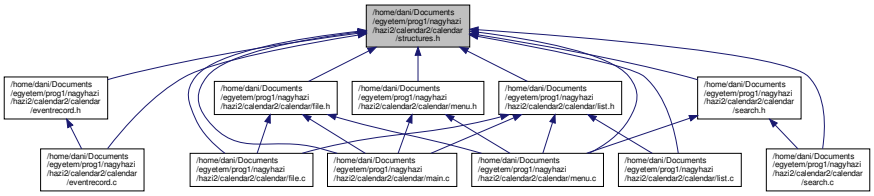
4.12 /home/dani/Documents/egyetem/prog1/nagyhazi/hazi2/calendar2/calendar/structures.h File Reference

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

Include dependency graph for structures.h:



This graph shows which files directly or indirectly include this file:



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 tm Tm

4.12.1 Typedef Documentation

4.12.1.1 Event

```
typedef struct Event Event
```

4.12.1.2 EventList

```
typedef struct EventList EventList
```

4.12.1.3 FindList

```
typedef struct FindList FindList
```

4.12.1.4 FoundEvent

```
typedef struct FoundEvent FoundEvent
```

4.12.1.5 MenuFv

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

4.12.1.6 SearchConditions

```
typedef struct SearchConditions SearchConditions
```

4.12.1.7 Tm

```
typedef struct tm Tm
```

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