

# Reference Manual

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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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<a href="#">choice</a> . . . . .	<a href="#">6</a>



## Chapter 2

# File Index

### 2.1 File List

Here is a list of all files with brief descriptions:

code/[allocation.c](#) . . . . . 7





## Chapter 3

# Class Documentation

### 3.1 cgpa Struct Reference

#### Public Attributes

- char [name](#) [MAX\_NAME\_LEN]
- char [dept](#) [4]
- float [marks](#)

#### 3.1.1 Detailed Description

struct to hold cgpa info

Definition at line 19 of file allocation.c.

#### 3.1.2 Member Data Documentation

##### 3.1.2.1 char cgpa.dept[4]

Definition at line 21 of file allocation.c.

##### 3.1.2.2 float cgpa.marks

Definition at line 22 of file allocation.c.

##### 3.1.2.3 char cgpa.name[MAX\_NAME\_LEN]

Definition at line 20 of file allocation.c.

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

- [code/allocation.c](#)

## 3.2 choice Struct Reference

### Public Attributes

- char [name](#) [MAX\_NAME\_LEN]
- char [choice](#) [11][4]

### 3.2.1 Detailed Description

struct to hold choice info

Definition at line 50 of file allocation.c.

### 3.2.2 Member Data Documentation

#### 3.2.2.1 char choice.choice[11][4]

Definition at line 52 of file allocation.c.

#### 3.2.2.2 char choice.name[MAX\_NAME\_LEN]

Definition at line 51 of file allocation.c.

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

- [code/allocation.c](#)

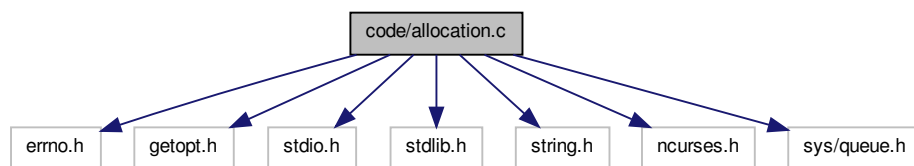
## Chapter 4

# File Documentation

### 4.1 code/allocation.c File Reference

```
#include <errno.h>
#include <getopt.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ncurses.h>
#include <sys/queue.h>
```

Include dependency graph for allocation.c:



### Classes

- struct [cgpa](#)
- struct [choice](#)

## Defines

- `#define MAX_NAME_LEN 50`

## Functions

- `int main (int argc, char **argv)`

### 4.1.1 Define Documentation

#### 4.1.1.1 `#define MAX_NAME_LEN 50`

This program will implement a trick of card as stated in the assignment problem.

Definition at line 14 of file allocation.c.

### 4.1.2 Function Documentation

#### 4.1.2.1 `int main ( int argc, char ** argv )`

Main function of program reads input file and then implement the algorithm described in design document.

Definition at line 524 of file allocation.c.

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