

## My Project

Generated by Doxygen 1.8.13



# Contents



# Chapter 1

## Class Index

### 1.1 Class List

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

Boy	All the variables and member functions are declared here . . . . .	??
Couple	. . . . .	??
Gift	<The header file having all the parameters a gift can have . there are three types of gifts . . .	??
Girl	. . . . .	??
Pair	. . . . .	??



## Chapter 2

# Class Documentation

### 2.1 Boy Class Reference

All the variables and member functions are declared here.

```
#include <boy.h>
```

#### Public Member Functions

- void [happiness](#) (int total\_cost, [Girl](#) &g)

#### Public Attributes

- int **committed**
- int **type**
- char **name** [10]
- int **attractive**
- int **intell\_b**
- int **budget**
- int **min\_attr**
- int **happy**

#### 2.1.1 Detailed Description

All the variables and member functions are declared here.

#### 2.1.2 Member Function Documentation

### 2.1.2.1 happiness()

```
void Boy::happiness (
    int total_cost,
    Girl & g )
```

<miser

<generous

<geek

The documentation for this class was generated from the following files:

- boy.h
- boy.cpp

## 2.2 Couple Class Reference

### Public Member Functions

- void [happiness](#) ()
- void [compatibility](#) ()

### Public Attributes

- [Girl](#) **g**
- [Boy](#) **b**
- int **happy**
- int **compatible**

### 2.2.1 Member Function Documentation

#### 2.2.1.1 compatibility()

```
void Couple::compatibility ( )
```

<Calculates couple's compatibility

#### 2.2.1.2 happiness()

```
void Couple::happiness ( )
```

<Calculates Happiness of the couple

The documentation for this class was generated from the following files:

- couple.h
- couple.cpp



## 2.3 Gift Class Reference

<The header file having all the parameters a gift can have . there are three types of gifts

```
#include <gift.h>
```

### Public Attributes

- int **value**
- int **price**
- int **type**
- int **which**
- int **luxury\_rate**
- int **difficulty**
- int **utility\_value**
- int **utility\_class**

### 2.3.1 Detailed Description

<The header file having all the parameters a gift can have . there are three types of gifts

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

- gift.h

## 2.4 Girl Class Reference

### Public Member Functions

- void **happiness** (int total\_cost, int total\_value)

### Public Attributes

- int **committed**
- int **type**
- char **name** [10]
- int **attractive**
- int **intell\_g**
- int **maint**
- int **happy**
- int **check**

The documentation for this class was generated from the following files:

- girl.h
- girl.cpp

## 2.5 Pair Class Reference

### Public Member Functions

- void **input** ()
- void **find\_happiness** ()

### Public Attributes

- int **k**
- [Couple](#) **c** [30]
- [Gift](#) **cg** [100][100]

The documentation for this class was generated from the following files:

- make\_pair.h
- make\_pair.cpp