

My Project

Generated by Doxygen 1.8.13

Contents

Chapter 1

ppl-assignment IIT2015036

ppl-assignment-CosmicCoder96 created by GitHub Classroom

Chapter 2

Class Index

2.1 Class List

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

Boy	??
Couple	??
Gift	??
Girl	??
MakeCouples	??

Chapter 3

Class Documentation

3.1 Boy Class Reference

Public Member Functions

- void **getHappiness** ([Girl](#) &girl_friend, int total_gifts)

Public Attributes

- char **name** [MAX_NAME_LENGTH]
- int **attractiveness**
- int **budget**
- int **intelligence_level**
- int **min_attraction_requirement**
- int **type**
- int **committed**
- int **happiness**

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

- Boy.h
- Boy.cpp

3.2 Couple Class Reference

Public Member Functions

- void **make_couples** ([Boy](#) boy, [Girl](#) girl)
- void **find_compatibility** ()

Static Public Member Functions

- static void **k_happy** ([Couple](#) *couples, int n, int k)
- static void **k_compatible** ([Couple](#) *couples, int n, int k)

Public Attributes

- [Boy](#) **boy**
- [Girl](#) **girl**
- int **happiness**
- int **compatibility**

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

- Couple.h
- Couple.cpp

3.3 Gift Class Reference

Public Attributes

- int **price**
- int **value**
- int **type**
- int **luxury_rating**
- int **difficulty**
- int **utility_value**
- int **utility_class**
- int **used**

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

- Gift.h

3.4 Girl Class Reference

Public Member Functions

- void **getHappiness** (int total_gifts, int total_gift_value)

Public Attributes

- char **name** [MAX_NAME_LENGTH]
- int **attractiveness**
- int **maintainance_budget**
- int **intelligence_level**
- int **criterion**
- int **type**
- int **committed**
- int **happiness**

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

- Girl.h
- Girl.cpp

3.5 MakeCouples Class Reference

Public Member Functions

- void **generateCouples** ()
- void **giveGifts** ()

Friends

- class **Couple**

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

- MakeCouples.h
- MakeCouples.cpp

