

My Project

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README

PPL Assignment by S AKASH (IIT2015067)

Chapter 2

Class Index

2.1 Class List

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

Boy	??
Couple	??
essentialGift	??
Girl	??
luxuryGift	??
utilityGift	??

Chapter 3

Class Documentation

3.1 Boy Class Reference

Public Member Functions

- [Boy](#) (std::string, std::string, int, int, double)
- int **getAttractiveness** ()
- int **getIntelligence** ()
- double **getBudget** ()
- double **getHappiness** ()
- std::string **getRelationshipStatus** ()
- std::string **getName** ()
- std::string **getType** ()
- void **setRelationshipStatus** (bool)
- int [getMinAttraction](#) ()
- void **setData** (std::string, std::string, int, int, double)

3.1.1 Constructor & Destructor Documentation

3.1.1.1 Boy()

```
Boy::Boy (
    std::string Name,
    std::string Type,
    int attr,
    int intelli,
    double bud )
```

< Constructor Getters

3.1.2 Member Function Documentation

3.1.2.1 getMinAttraction()

```
int Boy::getMinAttraction ( )
```

Setters

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

- boy.h
- boy.cpp

3.2 Couple Class Reference

Public Member Functions

- void **setBoyName** (std::string)
- void **setGirlName** (std::string)
- void **setBoyType** (std::string)
- void **setGirlType** (std::string)
- void **setBoyAttraction** (int)
- void **setGirlAttraction** (int)
- void **setBoyIntelligence** (int)
- void **setGirlIntelligence** (int)
- void **setBoyBudget** (double)
- void **setGirlCost** (double)
- void **setCompatibility** (int, int, double, int, int, double)
- void **setHappiness** (std::string, std::string, int, int, int, double, double)
- std::string **getBoyName** ()
- std::string **getGirlName** ()
- double **getBoyBudget** ()
- double **getGirlCost** ()
- int **getBoyIntelligence** ()
- int **getGirlIntelligence** ()
- double **getCompatibility** ()
- int **getHappiness** ()
- void **display** ()

3.2.1 Member Function Documentation

3.2.1.1 setCompatibility()

```
void Couple::setCompatibility (
    int batr,
    int bintelli,
    double bpaise,
    int gatr,
    int gintelli,
    double gpaise )
```

Find happiness of couples

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

- couple.h
- couple.cpp

3.3 essentialGift Class Reference

Public Member Functions

- int **getPrice** ()
- int **getValue** ()

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

- essentialgift.h
- essentialgift.cpp

3.4 Girl Class Reference

Public Member Functions

- **Girl** (std::string, std::string, int, int, double)
- int **getAttractiveness** ()
- int **getIntelligence** ()
- double **getMaintenanceCost** ()
- double **getHappiness** ()
- std::string **getRelationshipStatus** ()
- std::string **getName** ()
- std::string **getType** ()
- void **setRelationshipStatus** (bool)
- void **setData** (std::string, std::string, int, int, double)

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

- girl.h
- girl.cpp

3.5 luxuryGift Class Reference

Public Member Functions

- int **getPrice** ()
- int **getValue** ()
- int **getDifficulty** ()
- int **getRating** ()

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

- luxurygift.h
- luxurygift.cpp

3.6 utilityGift Class Reference

Public Member Functions

- int **getPrice** ()
- int **getValue** ()
- int **getUtilityValue** ()
- int **getUtilityClass** ()

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

- utilitygift.h
- utilitygift.cpp