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Contents

1 Class Index **1**

1.1 Class List . . . 1

2 File Index **3**

2.1 File List . . . 3

3 Class Documentation **5**

3.1 CuString Struct Reference . . . 5

3.2 CuSuite Struct Reference . . . 5

3.3 CuTest Struct Reference . . . 5

3.4 database Struct Reference . . . 6

3.4.1 Member Data Documentation . . . 6

3.4.1.1 amount_of_interests . . . 6

3.4.1.2 educations . . . 6

3.4.1.3 interest_string . . . 6

3.5 education Struct Reference . . . 7

3.5.1 Detailed Description . . . 7

3.5.2 Member Data Documentation . . . 7

3.5.2.1 description . . . 7

3.5.2.2 interests . . . 7

3.5.2.3 link . . . 7

3.5.2.4 region . . . 8

3.5.2.5 required_grade . . . 8

3.5.2.6 required_qualifications . . . 8

3.6 location Struct Reference . . . 8

3.7 profile Struct Reference . . . 8

3.8 qualification Struct Reference . . . 9

3.8.1 Member Data Documentation . . . 9

3.8.1.1 subjects . . . 9

3.9 subject Struct Reference . . . 9

3.9.1 Member Data Documentation . . . 9

3.9.1.1 level . . . 9

3.10 vector Struct Reference . . . 9

4 File Documentation **11**

4.1 /home/xomnez/aau/1.semester/p1_ads/P1/include/serialize.h File Reference 11

Index **13**

Chapter 1

Class Index

1.1 Class List

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

CuString 5
CuSuite 5
CuTest 5
database 6
education
Describes an education and all it requirements 7
location 8
profile 8
qualification 9
subject 9
vector 9

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

/home/xomnez/aau/1.semester/p1_ads/P1/include/**commands.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**constants.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**CuTest.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**database.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**education.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**parser.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**profile.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**region.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/serialize.h
Save and load profile data 11
/home/xomnez/aau/1.semester/p1_ads/P1/include/**subjects.h** . . . . . **??**
/home/xomnez/aau/1.semester/p1_ads/P1/include/**vector.h** . . . . . **??**

Chapter 3

Class Documentation

3.1 CuString Struct Reference

Public Attributes

- int **length**
- int **size**
- char * **buffer**

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/CuTest.h

3.2 CuSuite Struct Reference

Collaboration diagram for CuSuite:

Public Attributes

- int **count**
- CuTest * **list** [MAX_TEST_CASES]
- int **failCount**

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/CuTest.h

3.3 CuTest Struct Reference

Collaboration diagram for CuTest:

Public Attributes

- char * **name**
- TestFunction **function**
- int **failed**
- int **ran**
- const char * **message**
- jmp_buf * **jumpBuf**

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/CuTest.h

3.4 database Struct Reference

Collaboration diagram for database:

Public Attributes

- int **amount_of_educations**
- struct education * educations
- int amount_of_interests
- char ** interest_string

3.4.1 Member Data Documentation

3.4.1.1 amount_of_interests

```
int database::amount_of_interests
```

an array of educations delimited by amount_of_educations

3.4.1.2 educations

```
struct education* database::educations
```

the amount of educations in the database

3.4.1.3 interest_string

```
char** database::interest_string
```

the amount of interests in the database

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/database.h

3.5 education Struct Reference

Describes an education and all it requirements.

`#include <education.h>`

Collaboration diagram for education:

Public Attributes

- char * **name**
- char * description
- char * link
- enum region region
- double required_grade
- struct vector interests
- struct qualification required_qualifications

3.5.1 Detailed Description

Describes an education and all it requirements.

A structure, which contains amount_of_educations educations.

This structure defines an education and all the details about the education.

3.5.2 Member Data Documentation

3.5.2.1 description

`char* education::description`

The name of an education

3.5.2.2 interests

`struct vector education::interests`

The minimum grade required for entry

3.5.2.3 link

`char* education::link`

The description of an education

3.5.2.4 region

```
enum region education::region
```

A link to the educations website

3.5.2.5 required_grade

```
double education::required_grade
```

The region where the education is found

3.5.2.6 required_qualifications

```
struct qualification education::required_qualifications
```

The amount each interest is associated with this education

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/education.h

3.6 location Struct Reference

Public Attributes

- enum region **region**
- double **region_importance**

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/region.h

3.7 profile Struct Reference

Collaboration diagram for profile:

Public Attributes

- struct vector **interests**
- struct vector **adjustment_vector**
- char **name** [MAX_NAME_LENGTH]
- struct qualification **qualifications**
- double **average**
- struct location **location**
- char **saved_educations** [EDUCATION_LIST_LENGTH][MAX_EDU_NAME_LENGTH]
- int **last_recommended**
- char **recommended_educations** [EDUCATION_LIST_LENGTH][MAX_EDU_NAME_LENGTH]

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/profile.h

3.8 qualification Struct Reference

Collaboration diagram for qualification:

Public Attributes

- int **amount_of_subjects**
- struct subject * subjects

3.8.1 Member Data Documentation

3.8.1.1 subjects

```
struct subject* qualification::subjects
```

the amount of subjects in qualifications

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/subjects.h

3.9 subject Struct Reference

Public Attributes

- enum level level

3.9.1 Member Data Documentation

3.9.1.1 level

```
enum level subject::level
```

the name of the subject

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/subjects.h

3.10 vector Struct Reference

Public Attributes

- double * **array**
- int **size**

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

- /home/xomnez/aau/1.semester/p1_ads/P1/include/vector.h

Chapter 4

File Documentation

4.1 /home/xomnez/aau/1.semester/p1_ads/P1/include/serialize.h File Reference

Save and load profile data.

```
#include "profile.h"
```

Include dependency graph for serialize.h:

Index

/home/xomnez/aau/1.semester/p1_ads/P1/include/serialize.↩
h, 11

amount_of_interests
database, 6

CuString, 5
CuSuite, 5
CuTest, 5

database, 6
amount_of_interests, 6
educations, 6
interest_string, 6
description
education, 7

education, 7
description, 7
interests, 7
link, 7
region, 7
required_grade, 8
required_qualifications, 8
educations
database, 6

interest_string
database, 6
interests
education, 7

level
subject, 9
link
education, 7
location, 8

profile, 8

qualification, 9
subjects, 9

region
education, 7
required_grade
education, 8
required_qualifications
education, 8

subject, 9
level, 9
subjects
qualification, 9

vector, 9