

Class Level

java.lang.Object
ttable.Level

```
public class Level
extends java.lang.Object
```

The Class Level.

Field Summary

Fields

Modifier and Type	Field and Description
private int	level The level from 1 to 12.
private int	mistakesAllowed The mistakes allowed.

Constructor Summary

Constructors

Constructor and Description
Level ()

Method Summary

Methods

Modifier and Type	Method and Description
boolean	changeMistakesAllowed (Level level) Change mistakes allowed.
int	getLevel () Gets the level.
static java.util.ArrayList<Level>	getLevelProgenys (LevelProgeny levelProgeny) Gets the LevelProgenys.
int	getMistakesAllowed () Gets the mistakes allowed.
void	setLevel (int level) Sets the level.
void	setMistakesAllowed (int mistakesAllowed)

Sets the mistakes allowed.

Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Detail

level

```
private int level
```

The level from 1 to 12.

mistakesAllowed

```
private int mistakesAllowed
```

The mistakes allowed.

Constructor Detail

Level

```
public Level()
```

Method Detail

getLevelProgenys

```
public static java.util.ArrayList<Level> getLevelProgenys(LevelProgeny levelProgeny)  
                                           throws JSONException
```

Gets the LevelProgenys.

Parameters:

`levelProgeny` - the level progeny

Returns:

the LevelProgenys

Throws:

`JSONException` - the jSON failure exception

changeMistakesAllowed

```
public boolean changeMistakesAllowed(Level level)
                                throws JSONFailureException
```

Change mistakes allowed.

Parameters:

level - the level

Returns:

true, if successful

Throws:

JSONFailureException

getLevel

```
public int getLevel()
```

Gets the level.

Returns:

the level

getMistakesAllowed

```
public int getMistakesAllowed()
```

Gets the mistakes allowed.

Returns:

the mistakes allowed

setLevel

```
public void setLevel(int level)
```

Sets the level.

Parameters:

level - the new level

setMistakesAllowed

```
public void setMistakesAllowed(int mistakesAllowed)
```

Sets the mistakes allowed.

Parameters:

mistakesAllowed - the new mistakes allowed

ttable

Class LevelProgeny

java.lang.Object
ttable.LevelProgeny

```
public class LevelProgeny
extends java.lang.Object
```

The Class LevelProgeny joins the many-to-many relationship between Level and Progeny and allows some game settings.

Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	attempts The attempt count.
private java.lang.String	finalCompletionTime The final completion time.
private java.lang.String	finalGameHighScore The final game high score.
private java.lang.String	id The id.
private Level	level The level.
private java.lang.String	mistakes The mistake count.
private Progeny	progeny The progeny.

Constructor Summary

Constructors

Constructor and Description
LevelProgeny ()

Method Summary

Methods

Modifier and Type	Method and Description
static boolean	changeAge (LevelProgeny levelProgeny) Sets the age.
static boolean	deleteLevelProgeny (LevelProgeny levelProgeny) Delete a level progeny instance.
java.lang.String	getAttempts () Gets the attempts.
java.lang.String	getFinalCompletionTime () Gets the final completion time.
java.lang.String	getFinalGameHighScore () Gets the final game high score.
java.lang.String	getId () Gets the id.
Level	getLevel () Gets the level.
java.lang.String	getMistakes () Gets the mistakes.
Progeny	getProgeny () Gets the progeny.
private boolean	setAttempts (java.lang.String attempts) Sets the attempts for this level per progeny.
private boolean	setFinalCompletionTime (java.lang.String finalCompletionTime) Sets the final completion time.
private boolean	setFinalGameHighScore (java.lang.String finalGameHighScore) Sets the final game high score.
void	setId (java.lang.String id) Sets the id.
void	setLevel (Level level) Sets the level.
private boolean	setMistakes (java.lang.String mistakes) Sets the number of mistakes.
void	setProgeny (Progeny progeny) Sets the progeny.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

attempts

private java.lang.String attempts

The attempt count.

finalCompletionTime

```
private java.lang.String finalCompletionTime
```

The final completion time.

finalGameHighScore

```
private java.lang.String finalGameHighScore
```

The final game high score.

id

```
private java.lang.String id
```

The id.

level

```
private Level level
```

The level.

mistakes

```
private java.lang.String mistakes
```

The mistake count.

progeny

```
private Progeny progeny
```

The progeny.

Constructor Detail

LevelProgeny

```
public LevelProgeny()
```

Method Detail

changeAge

```
public static boolean changeAge(LevelProgeny levelProgeny)
                               throws JSONFailureException
```

Sets the age.

Parameters:

level - progeny the new age

Throws:

JSONFailureException

deleteLevelProgeny

```
public static boolean deleteLevelProgeny(LevelProgeny levelProgeny)
                                         throws JSONFailureException
```

Delete a level progeny instance.

Parameters:

levelProgeny - the level progeny

Throws:

JSONFailureException

getAttempts

```
public java.lang.String getAttempts()
                        throws JSONFailureException
```

Gets the attempts.

Returns:

the attempts

Throws:

JSONFailureException

getFinalCompletionTime

```
public java.lang.String getFinalCompletionTime()
```

Gets the final completion time.

Returns:

the final completion time

getFinalGameHighScore

```
public java.lang.String getFinalGameHighScore()
```

Gets the final game high score.

Returns:

the final game high score

getId

```
public java.lang.String getId()
```

Gets the id.

Returns:

the id

getLevel

```
public Level getLevel()
```

Gets the level.

Returns:

the level

getMistakes

```
public java.lang.String getMistakes()
```

Gets the mistakes.

Returns:

the mistakes

getProgeny

```
public Progeny getProgeny()
```

Gets the progeny.

Returns:

the progeny

setAttempts

```
private boolean setAttempts(java.lang.String attempts)
                        throws JSONException
```

Sets the attempts for this level per progeny.

Parameters:

`attempts` - the new attempts

Throws:

`JSONException`

setFinalCompletionTime

```
private boolean setFinalCompletionTime(java.lang.String finalCompletionTime)
                        throws JSONException
```

Sets the final completion time.

Parameters:

`finalCompletionTime` - the new final completion time

Throws:

`JSONException`

setFinalGameHighScore

```
private boolean setFinalGameHighScore(java.lang.String finalGameHighScore)
                        throws JSONException
```

Sets the final game high score.

Parameters:

`finalGameHighScore` - the new final game high score

Throws:

`JSONException`

setId

```
public void setId(java.lang.String id)
```

Sets the id.

Parameters:

`id` - the new id

setLevel

```
public void setLevel(Level level)
```

Sets the level.

Parameters:

level - the new level

setMistakes

```
private boolean setMistakes(java.lang.String mistakes)  
                        throws JSONException
```

Sets the number of mistakes.

Parameters:

mistakes - the new mistakes

Throws:

JSONException

setProgeny

```
public void setProgeny(Progeny progeny)
```

Sets the progeny.

Parameters:

progeny - the new progeny

Class Progeny

java.lang.Object
ttable.Progeny

```
public class Progeny
extends java.lang.Object
```

The Class Progeny.

Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	age The age.
private java.lang.String	firstName The first name.
private java.lang.String	id The id.
private java.lang.String	timeAllowed The time allowed.

Constructor Summary

Constructors

Constructor and Description
Progeny ()

Method Summary

Methods

Modifier and Type	Method and Description
static Progeny	addProgeny (java.lang.String firstName, java.lang.String age) Adds the progeny.
static boolean	changeAge (Progeny progeny, java.lang.String age) Change age.
static boolean	changeTimeAllowed (Progeny progeny, java.lang.String timeAllowed)

	Change time allowed.
static boolean	deleteProgeny (Progeny progeny) Delete progeny.
java.lang.String	getAge () Gets the age.
java.lang.String	getFirstName () Gets the first name.
java.lang.String	getId () Gets the id.
static java.util.ArrayList< Level >	getLevelProgenys (LevelProgeny levelProgeny) Gets the LevelProgenys.
java.lang.String	getTimeAllowed () Gets the time allowed.
void	setAge (java.lang.String age) Sets the age.
void	setFirstName (java.lang.String firstName) Sets the first name.
void	setId (java.lang.String id) Sets the id.
static boolean	setLevel (java.lang.Integer level) Sets the level.
void	setTimeAllowed (java.lang.String timeAllowed) Sets the time allowed.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

age

```
private java.lang.String age
```

The age.

firstName

```
private java.lang.String firstName
```

The first name.

id

```
private java.lang.String id
```

The id.

timeAllowed

```
private java.lang.String timeAllowed
```

The time allowed.

Constructor Detail

Progeny

```
public Progeny()
```

Method Detail

addProgeny

```
public static Progeny addProgeny(java.lang.String firstName,  
                                java.lang.String age)  
    throws JSONException
```

Adds the progeny.

Parameters:

`firstName` - the first name

`age` - the age

Returns:

the progeny

Throws:

`JSONException` - the jSON failure exception

changeAge

```
public static boolean changeAge(Progeny progeny,  
                                java.lang.String age)  
    throws JSONException
```

Change age.

Parameters:

`progeny` - the progeny

`age` - the age

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

changeTimeAllowed

```
public static boolean changeTimeAllowed(Progeny progeny,  
                                       java.lang.String timeAllowed)  
    throws JSONFailureException
```

Change time allowed.

Parameters:

progeny - the progeny

timeAllowed - the time allowed

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

deleteProgeny

```
public static boolean deleteProgeny(Progeny progeny)  
    throws JSONFailureException
```

Delete progeny.

Parameters:

progeny - the progeny

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

getLevelProgenys

```
public static java.util.ArrayList<Level> getLevelProgenys(LevelProgeny levelProgeny)  
    throws JSONFailureException
```

Gets the LevelProgenys.

Parameters:

levelProgeny - the level progeny

Returns:

the LevelProgenys

Throws:

`JSONFailureException` - the jSON failure exception

setLevel

```
public static boolean setLevel(java.lang.Integer level)
                             throws JSONFailureException
```

Sets the level.

Parameters:

`level` - the level

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

getAge

```
public java.lang.String getAge()
```

Gets the age.

Returns:

the age

getFirstName

```
public java.lang.String getFirstName()
```

Gets the first name.

Returns:

the first name

getId

```
public java.lang.String getId()
```

Gets the id.

Returns:

the id

getTimeAllowed

```
public java.lang.String getTimeAllowed()
```

Gets the time allowed.

Returns:

the time allowed

setAge

```
public void setAge(java.lang.String age)
```

Sets the age.

Parameters:

age - the new age

setFirstName

```
public void setFirstName(java.lang.String firstName)
```

Sets the first name.

Parameters:

firstName - the new first name

setId

```
public void setId(java.lang.String id)
```

Sets the id.

Parameters:

id - the new id

setTimeAllowed

```
public void setTimeAllowed(java.lang.String timeAllowed)
```

Sets the time allowed.

Parameters:

timeAllowed - the new time allowed

Class User

java.lang.Object
ttable.User

```
public class User
extends java.lang.Object
```

The User class represents the user of the application's current user

Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	fbId The user's Facebook id.
private java.lang.String	firstName The user's first name.
private java.lang.String	lastName The user's last name.
private java.util.ArrayList<Progeny>	progenies The progenies.

Constructor Summary

Constructors

Constructor and Description
User ()

Method Summary

Methods

Modifier and Type	Method and Description
static boolean	authenticate (java.lang.String password) Authenticate the user.
java.lang.String	getFbId () Gets the Facebook id of the current user.
java.lang.String	getFirstName () Gets the first name of the user.
java.lang.String	getLastName () Gets the last name of the current user.

static java.util.ArrayList< Progeny >	getProgenies () Gets the progenies.
static java.util.ArrayList<java.lang.String>	getQuestions () Gets the current user's password recovery questions.
static User	getUser () Gets the current user.
static boolean	resetPassword (java.lang.String answer, java.lang.String newPassword) Reset the user's password.
static boolean	setAnswer (java.lang.String answer, java.lang.String password) Sets the answer to the user's password recovery question.
void	setFbId (java.lang.String fbId) Set's the user's Facebook ID
void	setFirstName (java.lang.String firstName) Sets the user's firstname
void	setLastName (java.lang.String lastName) Sets the user's lastname
static boolean	setPassword (java.lang.String oldPassword, java.lang.String newPassword) Sets the user's password.
static boolean	setQuestion (java.lang.String question, java.lang.String password) Sets the user's password recovery question.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

fbId

```
private java.lang.String fbId
```

The user's Facebook id.

firstName

```
private java.lang.String firstName
```

The user's first name.

lastName

```
private java.lang.String lastName
```

The user's last name.

progenies

```
private java.util.ArrayList<Progeny> progenies
```

The progenies.

Constructor Detail

User

```
public User()
```

Method Detail

authenticate

```
public static boolean authenticate(java.lang.String password)
                                throws JSONException
```

Authenticate the user.

Parameters:

`password` - the password

Returns:

true, if successful

Throws:

`JSONException` - the jSON failure exception

getProgenies

```
public static java.util.ArrayList<Progeny> getProgenies()
                                throws JSONException
```

Gets the progenies.

Returns:

the progenies

Throws:

`JSONException` - the jSON failure exception

getQuestions

```
public static java.util.ArrayList<java.lang.String> getQuestions()  
                                                    throws JSONFailureException
```

Gets the current user's password recovery questions.

Returns:

the questions

Throws:

[JSONFailureException](#) - the jSON failure exception

getUser

```
public static User getUser()  
                    throws JSONFailureException
```

Gets the current user.

Returns:

the currently logged user

Throws:

[JSONFailureException](#) - the jSON failure exception

resetPassword

```
public static boolean resetPassword(java.lang.String answer,  
                                   java.lang.String newPassword)  
                                   throws JSONFailureException
```

Reset the user's password.

Parameters:

`answer` - the answer

`newPassword` - the new password

Returns:

true, if successful

Throws:

[JSONFailureException](#) - the jSON failure exception

setAnswer

```
public static boolean setAnswer(java.lang.String answer,  
                               java.lang.String password)  
                               throws JSONFailureException
```

Sets the answer to the user's password recovery question.

Parameters:

`answer` - the answer

`password` - the password

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

setPassword

```
public static boolean setPassword(java.lang.String oldPassword,  
                                java.lang.String newPassword)  
    throws JSONFailureException
```

Sets the user's password.

Parameters:

`oldPassword` - the old password

`newpassword` - the new password

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

setQuestion

```
public static boolean setQuestion(java.lang.String question,  
                                java.lang.String password)  
    throws JSONFailureException
```

Sets the user's password recovery question.

Parameters:

`question` - the question

`password` - the password

Returns:

true, if successful

Throws:

`JSONFailureException` - the jSON failure exception

getFbId

```
public java.lang.String getFbId()
```

Gets the Facebook id of the current user.

Returns:

the Facebook id

getFirstName

```
public java.lang.String getFirstName()
```

Gets the first name of the user.

Returns:

the first name

getLastName

```
public java.lang.String getLastName()
```

Gets the last name of the current user.

Returns:

the last name

setFbId

```
public void setFbId(java.lang.String fbId)
```

Set's the user's Facebook ID

Parameters:

fbId - the Facebook ID

setFirstName

```
public void setFirstName(java.lang.String firstName)
```

Sets the user's firstname

Parameters:

firstName - the user's first name

setLastName

```
public void setLastName(java.lang.String lastName)
```

Sets the user's lastname

Parameters:

firstName - the user's last name