Database

Package in package 'Class Model'

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Database
Version 1.0 Phase 1.0 Proposed
Administrator created on 2015/9/4 星期五. Last modified 2015/9/5 星期六
Alias

</div>

ERModel diagram

Class diagram in package 'Database'

<div align="right">

ERModel
Version 1.0
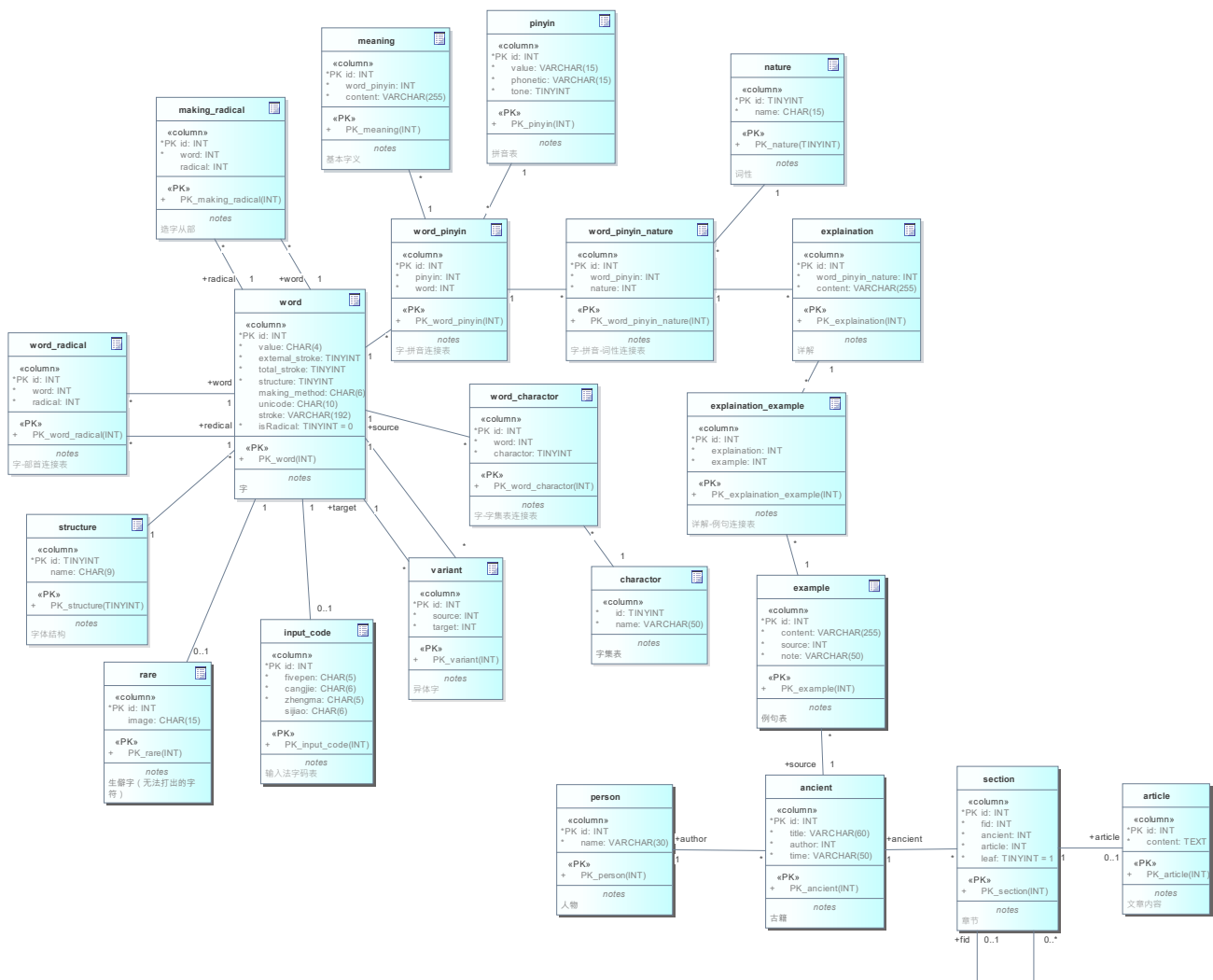Administrator created on 2015/9/4 星期五. Last modified 2015/9/6 星期日

</div>

Figure 1: ERModel

ancient

Database table in package 'Database'

古籍

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
title	VARCHAR(60)	True	标题
author	INT	True	**作者**
time	VARCHAR(50)	True	成书年代

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_ancient	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		person()

article

Database table in package 'Database'

文章内容

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
content	TEXT	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_article	id	

charactor

Database table in package 'Database'

字集表

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charactor
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Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

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COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	TINYINT	True	
name	VARCHAR(50)	True	

example

Database table in package 'Database'

例句表

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example
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Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

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COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
content	VARCHAR(255)	True	内容
source	INT	True	出处
note	VARCHAR(50)	True	注解

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_example	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		ancient()

charactor

explaination

Database table in package 'Database'

详解

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
word_pinyin_nature	INT	True	字-拼音-词性ID
content	VARCHAR(255)	True	内容

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_explaination	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		word_pinyin_nature()

explaination_example

Database table in package 'Database'

详解-例句连接表

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
explaination	INT	True	详解ID
example	INT	True	例句ID

PRIMARY KEY NAME	COLUMNS	COMMENTS

🔑 PK_explaination_example	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
🔑		example()
🔑		explaination()

input_code

Database table in package 'Database'

输入法字码表

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔲 id	INT	True	
🔲 fivepen	CHAR(5)	True	五笔
🔲 cangjie	CHAR(6)	True	仓颉
🔲 zhengma	CHAR(5)	True	郑码
🔲 sijiao	CHAR(6)	False	**四角**

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_input_code	id	

making_radical

Database table in package 'Database'

造字从部

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
word	INT	True	字ID
radical	INT	False	部首ID

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_making_radical	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		word()
		word()

meaning

Database table in package 'Database'

基本字义

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meaning
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DBMS MySql
</div>

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
word_pinyin	INT	True	字-拼音ID
content	VARCHAR(255)	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_meaning	id	

nature

Database table in package 'Database'

词性

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	TINYINT	True	
name	CHAR(15)	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_nature	id	

person

Database table in package 'Database'

人物

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
name	VARCHAR(30)	True	人物名称

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_person	id	

pinyin

Database table in package 'Database'

拼音表

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔹 id	INT	True	
🔹 value	VARCHAR(15)	True	拼音值
🔹 phonetic	VARCHAR(15)	True	注音
🔹 tone	TINYINT	True	声调

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_pinyin	id	

rare

Database table in package 'Database'

生僻字（无法打出的字符）

rare
Version 1.0 Phase 1.0 Proposed
Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔹 id	INT	True	
🔹 image	CHAR(15)	False	字体图片地址

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_rare	id	

section

Database table in package 'Database'

章节

section
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DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔲 id	INT	True	
🔲 fid	INT	True	上级节点id
🔲 ancient	INT	True	所属古籍ID
🔲 article	INT	True	文章内容ID
🔲 leaf	TINYINT	True	Initial value: 1 是否是叶子节点

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_section	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
🔧		article()
🔧		ancient()
🔧 fid		section()

structure

Database table in package 'Database'

字体结构

structure
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Administrator created on 2015/9/4 星期五．Last modified 2015/9/4 星期五
DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔲 id	TINYINT	True	
🔲 name	CHAR(9)	False	名称

PRIMARY KEY NAME	COLUMNS	COMMENTS

🔑 PK_structure	id	

variant

Database table in package 'Database'

异体字

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variant
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Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

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COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔲 id	INT	True	
🔲 source	INT	True	源字
🔲 target	INT	True	目标字

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_variant	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
🔑		word()

word

Database table in package 'Database'

字

<div align="right">

word
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DBMS MySql

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COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔲 id	INT	True	
🔲 value	CHAR(4)	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
external_stroke	TINYINT	True	
total_stroke	TINYINT	True	
structure	TINYINT	True	
making_method	CHAR(6)	False	造字方法
unicode	CHAR(10)	False	统一码
stroke	VARCHAR(192)	False	
isRadical	TINYINT	True	Initial value: 0 是否是部首

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_word	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
word		word_radical()
source		variant()
		input_code()
		rare()
		word_charactor()
		word_pinyin()
		structure()

word_charactor

Database table in package 'Database'

字-字集表连接表

word_charactor
Version 1.0 Phase 1.0 Proposed
Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
word	INT	True	字ID
charactor	TINYINT	True	字符集ID

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_word_charactor	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		charactor()

word_pinyin

Database table in package 'Database'

字-拼音连接表

word_pinyin
Version 1.0 Phase 1.0 Proposed
Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
id	INT	True	
pinyin	INT	True	拼音
word	INT	True	字

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_word_pinyin	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES

🔵		pinyin()
🔵		meaning()
🔵		word_pinyin_nature()

word_pinyin_nature

Database table in package 'Database'

字-拼音-词性连接表

word_pinyin_nature
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DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
🔵 id	INT	True	
🔵 word_pinyin	INT	True	
🔵 nature	INT	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_word_pinyin_nature	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
🔵		nature()

word_radical

Database table in package 'Database'

字-部首连接表

word_radical
Version 1.0 Phase 1.0 Proposed
Administrator created on 2015/9/4 星期五. Last modified 2015/9/4 星期五
DBMS MySql

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS

🔹 id	INT	True		
🔹 word	INT	True	字ID	
🔹 radical	INT	True	部首字ID	

PRIMARY KEY NAME	COLUMNS	COMMENTS
🔑 PK_word_radical	id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
🔑		word()