

北星学園大学 短期大学部 英文学科  
英語読解能力の効率的習得・向上システム  
インストール&テクニカルマニュアル

2005年3月  
(有)ITコンピュータシステム  
システムエンジニア 関谷 成実

# Installation

1 Make directories and copy all files as follows (Please refer to php/javascript/html/flash source codes and comments for details of each program)

以下と同様の構造のディレクトリを作成してください。(詳細はPHP/JavaScript/html/flashなどのソース内コメントをご覧ください)

You need to adjust permission for download and upload directory.

またダウンロード・アップロードなどのディレクトリには適切なパーミッションを与えてください。

Directory	Program/Data	Explanation
<b>common</b>		
(Technical programs)	read_db.inc (db_mysql.inc)	Extended reading class for MySQL MySQL access class(from PHPLIB)
	moodle_db.inc	Extended reading class for Moodle on MySQL
	reading.inc	functions for this system (関数群)
	common.inc	Common functions(original by Narumi Sekiya)
	jcode.phps	Free Japanese Encode/Decode functions
	open.php	moodle connection page
	index.html	main page
	reading.swf	Flash object embeded on index.html
	checkPerson.php	Check id/pw with moodle's mdl_user (moodleデータベースに対するチェック)/LDAP server
	getSession.php	get session information
	getCat12.txt	Get category1-2 list from text file (カテゴリー1, 2のリスト)
	getCatResult.php	Get category3 list from MySQL by cat1-2 keys (カテゴリー1, 2の条件によるカテゴリー3のリスト)
	logout.php	getURL("logout.php")
	menu.php	Menu
	readstory.php	Stories
	learnwords.php	Learn Words Meanings
	sc.php	Words into Gaps
	quiz.php	True or False?
	style.css	Style sheet for html files
	updateStory.php	cron program for keeping stories and words (Cronプログラム)
	hint.js	hints Javascript functions
	reading.fl	reading.fl
<b>admin</b>		
(Administrator Pages)	index.php	Word List Maintenance
	story.php	Story Maintenance
	word.php	Word Maintenance

```
var $Host = "localhost";
var $Database = "abc";
var $User = "abc_user";
var $Password = "abc_pass";
```

\*ご自身のシステムにあわせて設定してください。  
\*Please set your own information

## 2 Make MySQL DB(same setting as reading\_db.in (Please refer to MySQL/Cpanel/phpMyAdmin/Etc manuals for details of each setting.)

Database: **abc**

User **abc\_user**

Password **abc\_pass**









































































Server: localhost Database: nsekiya\_reading Table: t\_story

	Field	Type	Attributes	Null	Default	Extra	Action			
<input type="checkbox"/>	id	int(11)		No		auto_increment				
<input type="checkbox"/>	cat1	text		Yes	NULL					
<input type="checkbox"/>	cat2	int(11)		Yes	NULL					
<input type="checkbox"/>	cat3	int(11)		Yes	NULL					
<input type="checkbox"/>	no	int(11)		No	0					
<input type="checkbox"/>	title	text		No						
<input type="checkbox"/>	about	text		Yes	NULL					
<input type="checkbox"/>	text	text		No						
<input type="checkbox"/>	gapwords	text		Yes	NULL					
<input type="checkbox"/>	questions	text		Yes	NULL					
<input type="checkbox"/>	wordindex1	text		Yes	NULL					
<input type="checkbox"/>	wordindex2	text		Yes	NULL					
<input type="checkbox"/>	wordindex3	text		Yes	NULL					
<input type="checkbox"/>	level	text		No						
<input type="checkbox"/>	chk	int(11)		Yes	0					
<input type="checkbox"/>	upd	text		No						

```
CREATE TABLE t_story(  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  cat1 TEXT,  
  cat2 INT,  
  cat3 INT,  
  no INT NOT NULL,  
  title TEXT NOT NULL,  
  text TEXT NOT NULL,  
  gapwords TEXT,  
  questions TEXT,  
  wordindex1 TEXT,  
  wordindex2 TEXT,  
  wordindex3 TEXT,  
  level TEXT,  
  chk INT,  
  upd TEXT NOT NULL  
)
```

Server: localhost ▶ Database: nsekiya\_reading ▶ Table: t\_word























































Structure Browse SQL Search Insert Export Operati

	Field	Type	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	id	int(11)		No		auto_increment	     
<input type="checkbox"/>	word	text		No			     
<input type="checkbox"/>	explanation	text		No			     
<input type="checkbox"/>	sentence1	text		Yes	NULL		     
<input type="checkbox"/>	sentence2	text		Yes	NULL		     
<input type="checkbox"/>	sentence3	text		Yes	NULL		     
<input type="checkbox"/>	hint1	text		Yes	NULL		     
<input type="checkbox"/>	hint2	text		Yes	NULL		     
<input type="checkbox"/>	hint3	text		Yes	NULL		     
<input type="checkbox"/>	adda	text		Yes	NULL		     
<input type="checkbox"/>	addb	text		Yes	NULL		     
<input type="checkbox"/>	upd	text		No			     

```
CREATE TABLE t_word(
  id INT AUTO_INCREMENT PRIMARY KEY,
  word TEXT NOT NULL,
  explanation TEXT NOT NULL,
  sentence1 TEXT,
  sentence2 TEXT,
  sentence3 TEXT,
  hint1 TEXT,
  hint2 TEXT,
  hint3 TEXT,
  adda TEXT,
  addb TEXT,
  upd TEXT NOT NULL
)
```

Server: localhost ▶ Database: nsekiya\_reading ▶ Table: t\_score

Structure Browse SQL Search Insert Export Operati

	Field	Type	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	id	int(11)		No		auto_increment	     
<input type="checkbox"/>	mdl_user_id	int(10)	UNSIGNED	No	0		     
<input type="checkbox"/>	dt	text		No			     
<input type="checkbox"/>	cat1	text		No			     
<input type="checkbox"/>	cat2	text		No			     
<input type="checkbox"/>	cat3	text		No			     
<input type="checkbox"/>	kind	text		No			     
<input type="checkbox"/>	score	text		Yes	NULL		     
<input type="checkbox"/>	upd	text		No			     

```
CREATE TABLE t_score (
  id int(11) NOT NULL auto_increment,
  mdl_user_id int(10) unsigned NOT NULL default '0',
  dt text NOT NULL,
  cat1 text NOT NULL,
  cat2 text NOT NULL,
  cat3 text NOT NULL,
  kind text NOT NULL,
  score text,
  upd text NOT NULL,
  PRIMARY KEY (id)
) TYPE=MyISAM AUTO_INCREMENT=15 ;
```

# Flowchart of data

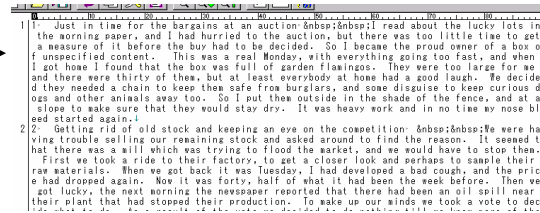


HyperCard Stack



export as text(tab separated)

# TAB separated text file

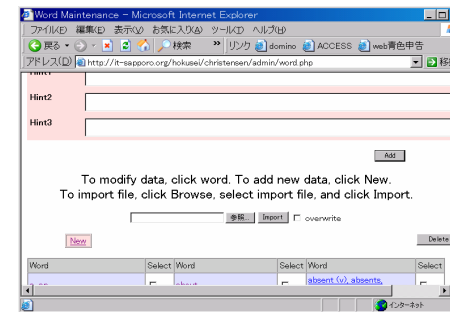


import to MySQL on Web

MySQL + PHP

+ Flash

Self maintenance on Web



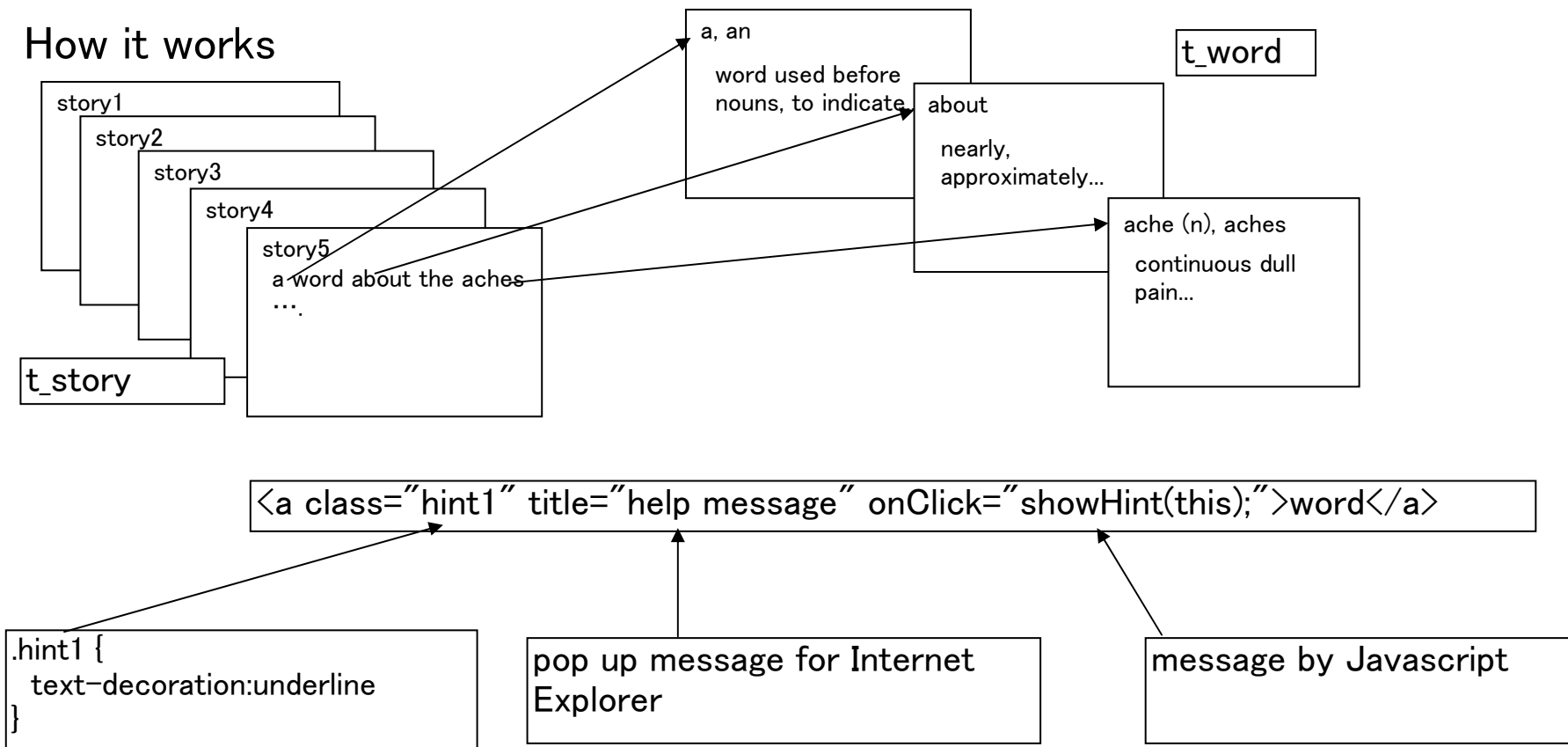
## Procedure

- 1 Maintain data(word, story) by FileMaker Pro
- 2 Export the data as tab separated text
- 3 Import the data into **READING MATERIAL SYSTEM** on the web
- 4 Check them on the web

## Technical Points

- 1 wordindex is for speedy display
- 2 t\_story's wordindex depends on t\_word, so if you change some words in t\_word, you need to regenerate wordindex.
- 3 Style Sheet/Javascript gives display interface for students

## How it works



## Basic procedure for accessing Database(PHPLib)

```
$db = new DB_reading;           prepare for db access

$sql = "SELECT * "             make SQL
      . " FROM t_story "       SELECT all items FROM table t_story WHERE id is $id
      . " WHERE id = $id ";

$db->query($sql);              execute SQL
$db->next_record();             read the first record from table(t_story)
$no      = $db->f("no");        get no
$title   = $db->f("title");     get title
$text    = $db->f("text");      get text
$wordindex = $db->f("wordindex"); get wordindex
```

## LDAP authentication

checkPerson.php

```
$ds=ldap_connect("aries.hokusei.ac.jp");           LDAP connect
if ($ds) {
    $r=@ldap_bind($ds,"uid=$un,ou=Users,dc=hokusei,dc=ac,dc=jp",$pw);           LDAP bind
    if ($r === -1) {
        print "Error: ". ldap_error($ds);
    } elseif ($r === TRUE) {
        $sr=ldap_search($ds,"ou=Users, dc=hokusei, dc=ac, dc=jp", "uid=$un");           LDAP search
        $info = ldap_get_entries($ds, $sr);           LDAP get_entries
        $fsname = split("¥.", $info[0]["gecos"][0]);
        $st .= "&id=" . $un;
        $st .= "&firstname=" . $fsname[0];
        $st .= "&lastname=" . $fsname[1];
        $st .= "&email=" . $un . "@hokusei.ac.jp";
    }
}
```

## Link to a file or web site ?

Name:

Summary:  1 (8 pt) **B** *I* U ~~S~~  $x_2$   $x^2$

Path:

Location:

Window:  ?

Same window

Put resource in a frame to keep site navigation visible

Parameters:  ?

Parameter	Variable name
<input type="text" value="Username"/>	<input type="text" value="id"/>
<input type="text" value="Password"/>	<input type="text" value="pw"/>
-- Choose parameter --	<input type="text"/>
-- Choose parameter --	<input type="text"/>
-- Choose parameter --	<input type="text"/>

Visible to students:

### open.php

```
$sql = "SELECT * "
      . " FROM mdl_user"
      . " WHERE username = '$id' "
      . " AND password = '$pw' "
データが存在する場合
セッションをセット
$_SESSION["ss_id"] = $id;
$_SESSION["ss_name"] = $nm;
データが存在しない場合
セッションクリア
header("Location: index.html");
```

### index.html

```
reading.swf
getSession.php
セッションからss_id, ss_nameを取得しswfへ返す
```