

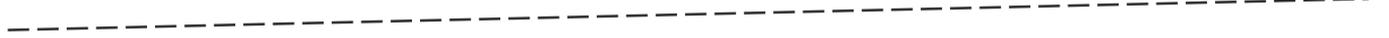
Wise Timetable Web installation

User Guide

Wise Timetable Web installation
www.wisetimetable.com

Wise Technologies Ltd.
Cesta 24. junija 23
SI-1231 Ljubljana, Slovenia, EU
www.wise-t.com
www.wisetimetable.com

support_wise@wise-t.com
Publication date: March, 2015



Contents

- 1. Introduction 3
- 2. Where to find or download all the installation files..... 3
- 3. Upgrading 4
- 4. Database connection..... 5
 - 1. ODBC Data Source 5
 - 1. MS SQL 5
 - 2. MySQL 7
 - 2. Export the Timetable data to the database 9
- 5. Installing the PHP web pages on the server..... 10
 - 1. Installation on UNIX/Linux Servers 10
 - 2. Installation on PC Windows servers 10
- 6. Configuration for web pages 11
 - 1. Password change and Product information 11
 - 2. Web pages administration 12
 - 3. Administration 14
 - 4. Settings 15

1. Introduction

The User Guide describes the Wise Timetable application installation to a server and the establishment of the connection to the database for displaying timetable data on web pages.

The Guide **does not cover** the integration of the Wise Timetable application to other internet portals or pages.

Using this Guide, you will be able to create web pages with published timetables on your own server.

Source of all data is standalone PC application Wise Timetable – you can install this application directly from our product web page www.wisetimetable.com. There is always up-to-date application which works as DEMO or as full version – depending on your existing licensing status.

All the data from Wise Timetable can be published – this is done via Data menu inside the application: Data->Export to database. Publishing is done through the database and at the other end, web pages are reading the data from database.

So the principle goes like this:

Wise Timetable (PC) -> Database -> Web pages

Database is not used only for providing data for web pages but also to provide possibility that more users can work on the same timetable (contained in central database).

Everything for entire setup is contained inside the Wise Timetable installation directory or (without charge) on Internet.

2. Where to find or download all the installation files

A) Standalone PC application

Wise Timetable PC application: www.wisetimetable.com

Installation is as simple as running the downloaded file, agree to license, click on Next few times and Finish. **Note that upgrades are done in the same way – all the settings will be preserved after upgrade** – so you do not have to care about previous user data – just reinstall the application. Settings will remain in (hidden by the Windows system) directory c:\ProgramData\WiseTimetable – and all the important files will be accessible directly from PC application from menu Settings->Miscellaneous->General.

B) Database

After PC installation, in directory c:\Program Files (x86)\Wise Timetable\database_scripts – use database script which corresponds to your DB server – e.g. mysql_create_script.sql You will create database with UTF8 collation (for your country – e.g. utf8_slovenian_ci or similar) and import this script into this newly created database. When you update this database you will have to (after backup, of course!) drop the database and recreate database with this script (after that publish data from PC Wise Timetable application). User must be created with SELECT/INSERT rights on this database for **localhost and for other hosts!**

C) Web pages

After PC installation, in directory c:\Program Files (x86)\Wise Timetable\web_php_pages\Php.zip – please unzip this file and put it on your web server as described below

D) If using MySQL – MySQL ODBC connector

To communicate with database, standalone PC application uses ODBC connection point based on ODBC connector which have to be installed on PC with Wise Timetable. Please download it from: <https://dev.mysql.com/downloads/connector/odbc/> Download latest x86, 32 bit MSI installer – and install it on PC with Wise Timetable app. If you are using MSSQL, connector will be already present on PC.

E) ADODB support for web pages (for installation on server)

You might have already adodb directory on your web server – but if not, you can download it from: <http://sourceforge.net/projects/adodb/files/adodb-php5-only/> Download zip file, unzip it in one directory on your server (and remember it – because you will have to set this directory in web pages setup). There is no installation of this component – just bunch of files in one directory.

3. Upgrading

Wise Timetable Web is constantly being developed and upgraded. To upgrade your version, simply follow this procedure:

1. Create a safety copy of your existing version of web pages and make database backup.
2. Save the lib/setup.ini file in order to save the settings for web pages.
3. Delete the entire content of the directory on the web server where the application is installed.
4. Follow the installation instructions to copy new pages and set permissions and use the setup.ini file, which you have saved in the configuration procedure. Basically, copy your saved setup.ini file into lib directory and overwrite newly created setup.ini.

Attention: if the webpage design has been modified, the design files have to be updated. Be careful if you made your own design customizations!

4. Database connection

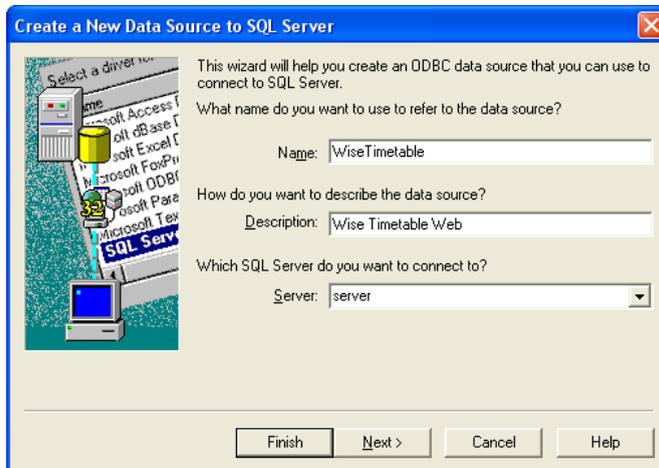
1. ODBC Data Source

IMPORTANT NOTE: Instructions bellow are assuming 32 bit Windows installation. For 64 bit Windows installation (it is 64 bit if in file explorer you see also directory c:\Program Files (x86)) please do not use Control Panel for creating ODBC connection – use this (32 bit) completely similar looking tool:

C:\Windows\SysWOW64\odbcad32.exe

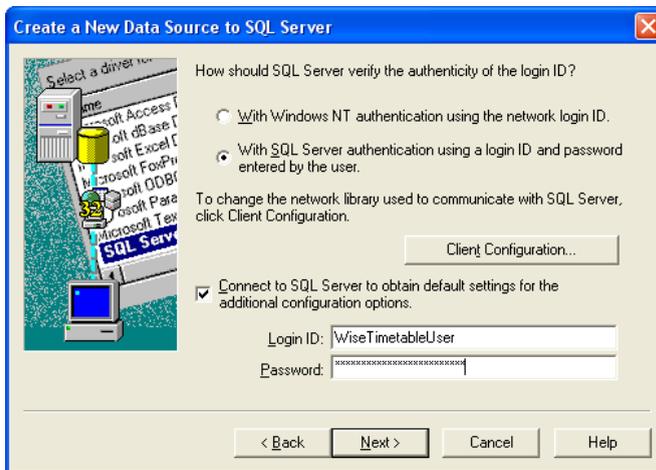
1. MS SQL

1. Open *ODBC Data Source Administrator* (Control panel/Administrative tools).
2. Click the *System DSN* tab and then the **Add...** button.
3. In the *Create New Data Source* window, choose *SQL Server* and click **Finish**.
4. The window that is displayed bellow opens. Fill in the fields, choose your server and click **Next**.



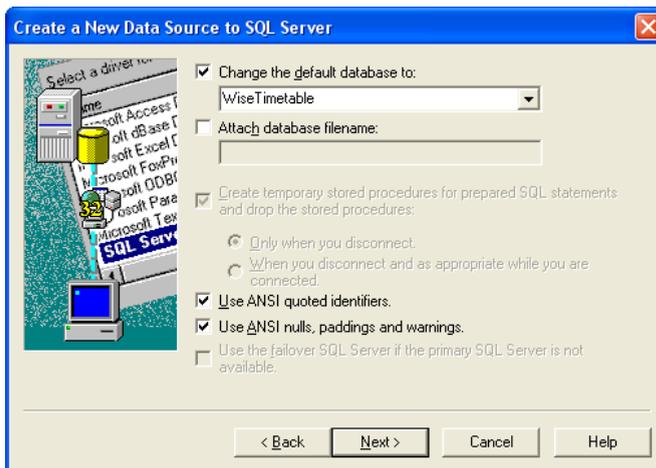
Picture 1

5. Choose *SQL Server authentication* and insert *Login ID* and *Password* (desktop application requires read, write and delete rights, while the web version requires only read rights) in the fields (as shown in the *picture 2*), and click **Next**. The Login ID and Password have been set for database access.



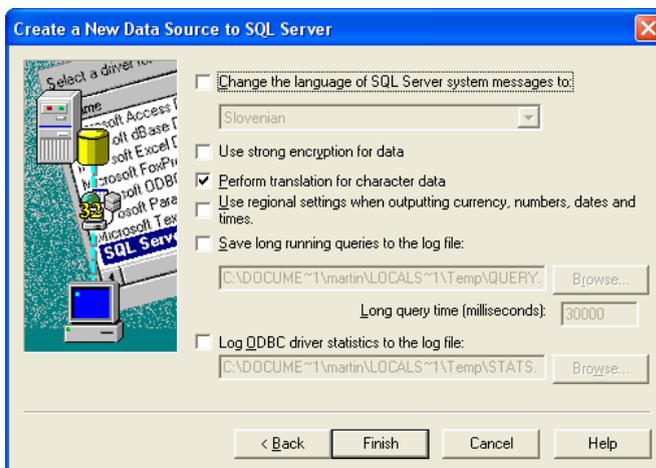
Picture 2

6. Choose your database from the drop down menu in the following window.



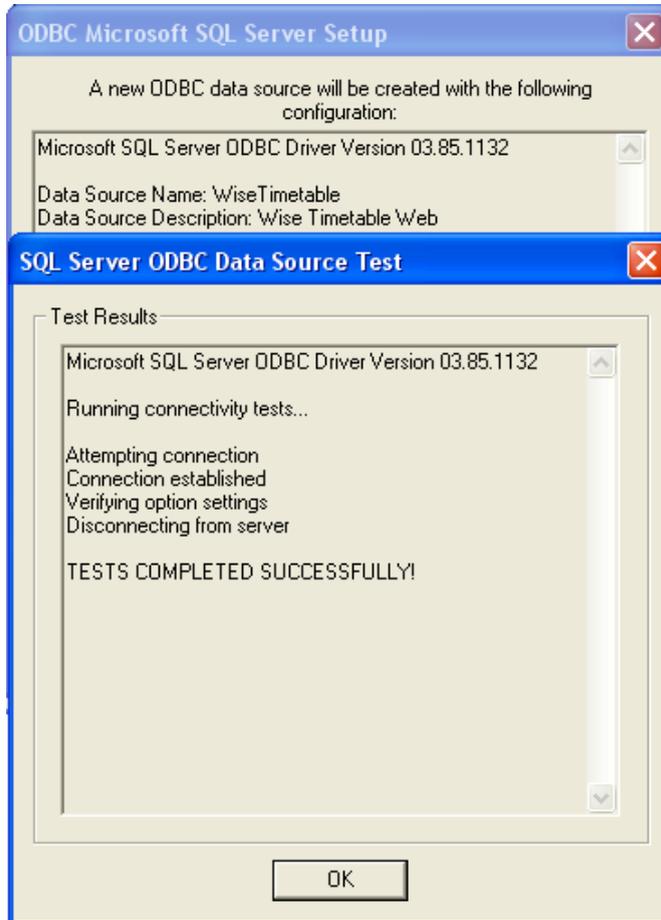
Picture 3

7. The final window does not have to be changed. At the end, click **Finish**.



Picture 4

8. The window with the summary of settings opens. Click **Test Data Source...** and the *TESTS COMPLETED SUCCESSFULLY!* message should be displayed as shown in the *picture 5*.

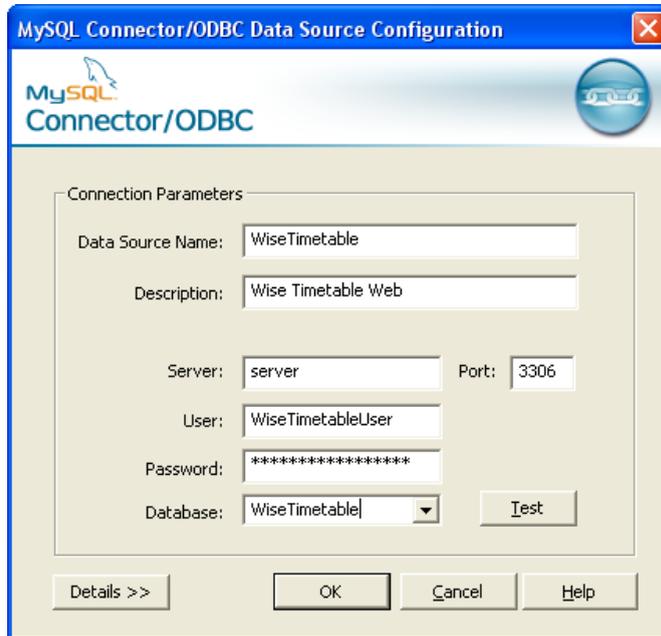


Picture 5

9. Confirm both windows. The new insertion to the *DSN System* is now set.

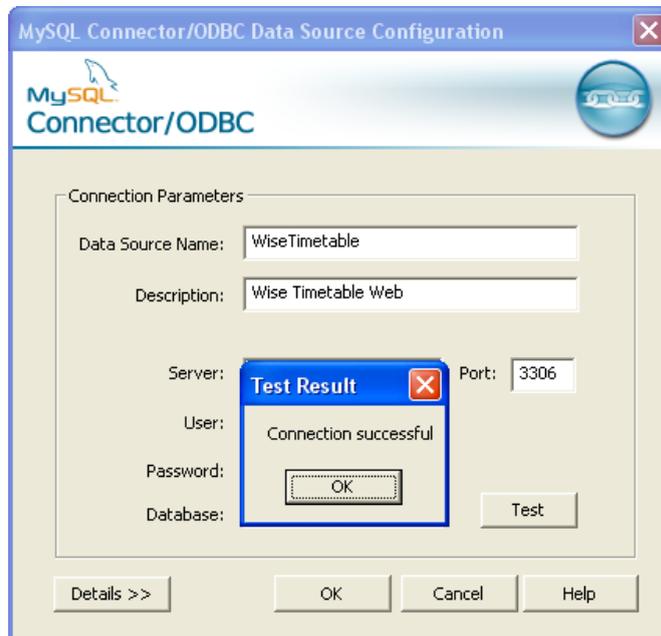
2. MySQL

1. If you use MySQL database on the server, you need to have the MySQL ODBC driver installed – see section 2 how to install it.
2. If you have 32-bit system, open ODBC Data Source Administrator (Control panel/ Administrative tools). If you have 64-bit system run ODBC Data Source Administrator in C:\Windows\SysWOW64\odbcad32.exe.
3. Click the *System DSN* tab and then the **Add...** button.
4. In the *Create New Data Source* window, choose *MySQL ODBC 5.1 Driver* and click **Finish**.
5. Fill in the insertion fields with your data as shown in the *picture 6*.



Picture 6

6. Click the **Test** button and the *Connection successful* message should be displayed.



Picture 7

7. The new insertion to the *DSN System* window is now set.

2. *Export the Timetable data to the database*

The path to the database has to be set for data export from the desktop application. In the application Wise Timetable, from menu Settings->Miscellaneous->General, open the `dbsettings.ini` file. Set the `export_db_conn_str` parameter value to your DSN, for example (for MySQL): `export_db_conn_str = WiseTimetable`.

For MS SQL databases you might have to explicitly put DB user name and password in `dbsettings.ini`, e.g.:

```
connection_string=Driver={SQL Server};Server=SERVERNAME\SQLEXPRESS;  
Database=wtt_php; UID=sa; PWD=Express_12
```

Save and close the file.

Open the desktop application and choose **Save data to database** from the **Data menu**. Confirm the choice in the warning window, which opens.

The data is now stored in the database.

5. Installing the PHP web pages on the server

As described in section 2, all the PHP web pages are in one Php.zip file. You have to unzip this file and put it on your web server in directory which is served by your Apache or IIS or some other web server.

1. Installation on UNIX/Linux Servers

It is important to set access rights to individual files. The files must have at least following rights:

/-r--r--r--	*.php	(chmod 444 *.php)
/dr-xr-xr-x	design	(chmod 555 design)
/design/-rw-rw-rw	*.*	(chmod 666 *.*)
/design/dr-xr-xr-x	img	(chmod 555 img)
/design/img/-r--r--r--	*.*	(chmod 444 *.*)
/lib/-r--r--r--	*.php	(chmod 444 *.php)
/lib/-r--r--r--	*.js	(chmod 444 *.js)
/lib/-rwxrwxrwx	langpack.ini	(chmod 777 langpack.ini)
/lib/-rwxrw-rw-	setup.ini	(chmod 766 setup.ini)

To make these settings easier, we made a special file called setrights.php, which is in the root directory of the web pages. On your command prompt on Linux, please set this file as executable and run it – all the rights will be set according to table above:

```
# chmod +x ./setrights.php
```

```
# ./setrights.php
```

2. Installation on PC Windows servers

On PC Windows servers, usually xampp installation is used (on clean windows installation). With xampp (download from <https://www.apachefriends.org/download.html>) you can get Apache server, MySQL, PhpMyAdmin(for administrating databases) and other tools in single installation and without additional costs. For IIS installation on Windows 2008 server, we created a separate document accessible in documents directory in PC installation – c:\program files (x86)\Wise Timetable\documents.

6. Configuration for web pages

The next step before using the timetables is the configuration of the web application. Open the internet browser and the enclosed `configure.php` script. The script is stored in the root folder of the application.

Basically, in order to run, web pages have to be configured to read data from database – it is done mainly in Settings section (see bellow). Best way is to learn by example – we provided a screenshot of working web pages settings at the end of this document.

First, the password has to be provided. Enter the default password - **Popokatepetl** (case sensitive), and click **Login**.

The configuration page, where all the necessary data for running of the application can be inserted, is displayed.

1. *Password change and Product information*

1. *Change password*: it is advisable to change the password immediately, since the default password is not secure. The password is changed by inserting a new password and clicking the **Submit** button at the bottom of the page. Even though other settings have not been changed yet, the new password is stored and can be used the next time the application is run. Since the session is still active (you are still logged in the system), the remaining data can be inserted, without reinserting the password.
2. *Revision number*: this field provides information and is intended for the support team in case of program malfunction.
3. *Modifications*: this field provides information and is intended for the support team in case of program malfunction.

2. *Web pages administration*

1. *Use Saturdays*: choose *Use* for the display of Saturdays in the timetable.
2. *Use Sundays*: choose *Use* for the display of Sundays in the timetable.
3. *Use reservations*: choose *Use* for the display of the reserved timeslots in the timetable. In the opposite case, only courses which are in the timetable inherently will be displayed.
4. *Dates with day names*: choose *Show*, if you wish dates to be displayed with day names in the header of timetables.
5. *Datetime format*: insert a format for displayed dates. Examples: "DD.MM", "MM-DD", "YYYY-MM-DD", "DD.MM.YYYY hh:mm:ss", "hh:mm DD/MM/YYYY". The text can be formatted as you prefer however keep in mind:
 - a. DD will be replaced with the day,
 - b. MM will be replaced with the month,
 - c. YYYY will be replaced with the year,
 - d. 'hh' will be replaced with the hour,
 - e. 'mm' will be replaced with the minutes,
 - f. 'ss' will be replaced with the seconds.
6. *Timetable valid until*: insert the date until you want to display schedules. »0« means the value is not considered. Format: YYYY-MM-DD.
7. *Holidays*: used to setup holidays display. Select *Don't show* if you want that holidays are not displayed in the timetable. Select *Show* if you want that the holidays are displayed on a timetable in pink colour but courses on holidays are still visible. Select *Override other* if

- you want that the holidays are displayed in pink colour and courses on holidays are not visible.
8. *Use mark*: select *Show* for displaying marked course timetables with Underline and Italic fonts. Select *Don't show* for displaying marked course timetables with normal fonts.
 9. *Main menu*: use for displaying links to other scripts (view by Groups, Rooms, Lecturers (Prof), more rooms (Classrooms), Courses and Students (Stud)).
 10. *Display last change time*: select *Show* for displaying the date and time of the schedule last update.
 11. *Display week number*: select *Show* for displaying the number of the week.
 12. *Details about the selection when printing*: select *Show* for displaying the values of the chosen parameters (lecturer, course, year, subject areas, groups, ...).
 13. *Groups*: if students are divided in groups with different schedules, check the *Use* field (groups will be displayed in the timetable). In the opposite case check *Don't use*.
 14. *Groups in cells*: choose *Show* if you wish all groups to be displayed in the timetable cells as well. In the opposite case, they are displayed in the pop-up window.
 15. *Groups selector*: choose *Use* if you wish to offer manual groups selection in `groups` script. In the opposite case, manual groups selection is disabled but timetables of all groups are displayed.
 16. *Groups password*: indicate whether you wish to include the password function for viewing an individual group. If you include the password function, students will have to insert their password to use the `groups` script. The password is set up in the desktop application. *Attention*: it will not be possible to choose more groups simultaneously on the `groups.asp/php` page.
 17. *When groups password is on, enter groups name manually*: select *Use* if you want the group script user inserts group name (user name) manually. If you select *Don't use*, the user can choose a group name from the list.
 18. *iCal for groups - Subject*: is used to adjust data displayed in the Subject of iCalender file for groups. You can choose among WTT, Course, Room, Course type (Type), Group and Lecturer (Tutor).
 19. *iCal for groups - Text*: is used to adjust data displayed in the Text of iCalender file for groups. You can choose among Course, Room, Course type (Type), Group and Lecturer (Tutor).
 20. *Lecturer's password*: indicate whether lecturers need to insert their password to use the `prof` script or not. If you include the password function, lecturers will have to insert their password to use the `prof` script. The password is set up in the desktop application.
 21. *When lecturers password is on, enter lecturers name manually*: select *Use* if you want the `prof` script user inserts lecturer's name and surname (user name) manually. If you select *Don't use*, the user can choose a lecturer's name and surname from the list.
 22. *Whole schedule for lecturers - Sort by date*: select *Use* for displaying whole schedule on `prof` script by dates (each date is one record). If you select *Don't use* schedules are displayed by days in week (e.g. Monday's schedule is only one record – with a description from which to which week a schedule is carried out).
 23. *Whole schedule for lecturers - Reservations*: is used for display settings of lecturers'

- reservations on `prof` script in the case of whole schedule display. Select *Don't show* for not displaying the reservations (e.g. reservations are used as blockades). Select *Show reservation* for displaying only the list of reservations (e.g. reservations are used as comments in the timetable and therefore actual time is irrelevant). Select *Show reservation and date* for displaying reservations with day, date and hour (e.g. reservations are used for exams, colloquia, etc. and therefore the actual time is important).
24. *Ical for lecturers - Subject:* is used to adjust data displayed in the Subject of iCalender file for lecturers. You can choose among WTT, Course, Room, Course type (Type), Group and Lecturer (Tutor).
 25. *Ical for lecturers - Text:* is used to adjust data displayed in the Text of iCalendar file for lecturers. You can choose among Course, Room, Course type (Type), Group and Lecturer (Tutor).
 26. *Hide subject area code:* select *Use* for displaying subject area's code beside the name of the subject area on the groups and courses scripts. Select *Don't use* for not displaying subject area's code.
 27. *Show duration (rooms.php):* used for time display in the pop-up window that opens when clicking on a timetable or a reservation on the script rooms. Select *Use* for showing duration in hours (e.g. 2h) in addition to start hour. Select *Don't use* for displaying from which to which hour it will take (e.g. 12:00-14:00).
 28. *Display number of students (rooms.php):* used for displaying number of students in the group in the pop-up window that opens when clicking to timetable on `rooms` script. Select *Show* for displaying number of students in the group in addition to group's name. Select *Don't show* for and number of students is not displayed.

3. Administration

1. *Save to log:* indicate whether lecturer's log-ins should be stored in a server file. The administrator can later check the file by using the `admin` script.
2. *Log Filename:* the path to the file and the name of the file to which the log-ins described in the previous point are stored. For example `C:\Log\WiseTimetableLog.txt` (the directory has to exist).
3. *Administrator – first name:* insert the name of the person from the Tutor table in the Wise Timetable database, who will have access rights to view the log-ins. The admin script will, if/when used, check if the inserted password matches the password of the user as stored in the database.
4. *Administrator - last name:* insert the name of the person from the Tutor table in the Wise Timetable database, who will have access rights to view the log-ins.

4. *Settings*

1. *Web character encoding*: character set to be used for displaying a web page in browser.
2. *Ajax character encoding*: character set to be used for Ajax communication (it is not necessary the same as for displaying a page in browser).
3. *Database Type*: choose the database type that you use.
4. *Connection string*: insert the character string which is used by the program to connect to the database.

Software requires a connection string in the following form:

for MySQL: »mysql://DBusername:DBpassword@mysql-server:port_number/
Database«,

for MSSQL: »Driver={SQL Server}; Server=<server>; Database=<Database>;
UID=<user>; PWD=<password>«.

5. *ADODB Driver Location*: Insert the path to php library/driver for database access. The path is usually the following: »/apache/adodb5/adodb.inc.php«, however, it also depends on your server settings.
6. *Language*: choose the language in which the timetable data should be displayed.
7. *Application path*: insert the complete path to the files, which are a part of the application. The path ends with a slash, in the Microsoft environment with »\«, and in the UNIX/Linux with »/«. Examples: »C:\Web\Timetable\« and »/var/www/timetable/«. The files stored in the subdirectory `design`, determine the visual appearance of the timetables on the internet. They can be created by the users in order to match the visual appearance of their portal

Product information	
Change password:	<input type="text"/>
Revision number:	2396
Modifications:	No uncommitted modifications
Colors	
Timetable entry:	#4300FA <input type="checkbox"/>
Timetable entry alternative:	#A88DF1 <input type="checkbox"/>
Overlapping:	#b10111 <input type="checkbox"/>
Reservation:	#2e7d2c <input type="checkbox"/>
Overlapping reservation (reservation):	#a05000 <input type="checkbox"/>
Overlapping reservation timetable entry:	#a05000 <input type="checkbox"/>
Exams:	#fbed0c <input type="checkbox"/>
Tooltip background:	#798da1 <input type="checkbox"/>
Reservation owner:	#4011fa <input type="checkbox"/>
Holiday:	#a3e065 <input type="checkbox"/>
Features	
Work week and display settings	
Use Saturdays:	<input checked="" type="radio"/> Use <input type="radio"/> Don't use
Use Sundays:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Dates with day names:	<input checked="" type="radio"/> Show <input type="radio"/> Don't show
Datetime format:	<input type="text" value="DD.MM.YYYY hh:mm"/> [e.g.: DD.MM.YYYY hh:mm:ss]
Holidays:	Override other <input type="checkbox"/>
Display week number:	<input type="radio"/> Show <input checked="" type="radio"/> Don't show
First weekday is Sunday:	<input type="radio"/> True <input checked="" type="radio"/> False
Show only full hours:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
General settings	
Use translated course name:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Hide subject area code:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Use reservations:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Timetable valid until:	<input type="text" value="0"/> *Write '0' if you want to disable this feature
Use mark:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Main menu:	<input type="text" value="Groups;Rooms;Prof,Classrooms;Courses;Rooms_Zoom;"/> [Groups;Rooms;Prof,Classrooms;Courses;Stud,Rooms_Zoom] [Clear] [Default]
Display last change time:	<input checked="" type="radio"/> Show <input type="radio"/> Don't show
Details about the selection when printing:	<input checked="" type="radio"/> Show <input type="radio"/> Don't show
Zoom view - list of rooms limited:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
... must be equal to:	<input type="text" value="WebView"/>
Show both - start and end hours:	<input type="radio"/> Show <input checked="" type="radio"/> Don't show
Group and Branch selection handling	
Groups:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Groups in cells:	<input type="radio"/> Show <input checked="" type="radio"/> Don't show
Groups selector:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Branch selector for one group:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Group's password:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
When groups password is on, enter groups name manually:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Display all the groups when parent relation exists:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Email (SMTP) settings - for reservation modules	
User which is sending an email:	<input type="text" value="umki-administracija@fs.uni-lj.si"/>
SMTP (outgoing) server IP address or server name:	<input type="text" value="mail.wise-t.com"/>
SMTP (outgoing) port (default: 25):	<input type="text" value="25"/>
Room reservation Module settings	
Show seats number (resrooms.php):	<input type="radio"/> Show <input checked="" type="radio"/> Don't show
Profesor can reserve in the same interval (resrooms.php):	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Reservation for admin only:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Room reservation - list of rooms limited:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
... must be different then:	<input type="text" value="Lab"/>
Groups reservation - list of rooms limited:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
... must be equal to:	<input type="text" value="computers"/>
Lecturer's timetable display settings	
Lecturer's password:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
When lecturers password is on, enter lecturers name manually:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Show last name first:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Whole schedule for lecturers - Sort by date:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Whole schedule for lecturers - Reservations:	<input type="text" value="Show reservation and date"/>
Room display settings	
Show duration (rooms.php):	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
Display number of students (rooms.php):	<input checked="" type="radio"/> Show <input type="radio"/> Don't show
Sort room names alphabetically:	<input type="radio"/> Use <input checked="" type="radio"/> Don't use
iCalendar export settings	
iCal for groups - Subject:	<input type="text" value="Course;Room;"/> [WTT;Course;Room;Type;Group;Tutor] [Clear] [Default]
iCal for groups - Text:	<input type="text" value="Course;Type;Group;Tutor;"/> [Course;Room;Type;Group;Tutor] [Clear] [Default]
iCal for lecturers - Subject:	<input type="text" value="Course;Room;"/> [WTT;Course;Room;Type;Group;Tutor] [Clear] [Default]
iCal for lecturers - Text:	<input type="text" value="Course;Room;Type;Group;"/> [Course;Room;Type;Group;Tutor] [Clear] [Default]

Exam Reservation Module settings	
Max exams per week:	<input type="text" value="10"/>
Max exams per day:	<input type="text" value="3"/>
Administration	
Save to log:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Log Filename:	<input type="text" value="TimeTableLog.txt"/>
Administrator - first name:	<input type="text" value="Administrator"/>
Administrator - last name:	<input type="text"/>
Check cookie:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Login URL:	<input type="text"/>
Cookie variable name:	<input type="text"/>
Settings	
Web character encoding:	<input type="text" value="utf-8"/>
Ajax character encoding:	<input type="text" value="utf-8"/>
Database type:	<input checked="" type="radio"/> MS SQL <input type="radio"/> MySql
Connection string:	<input type="text" value="mysql://USERNAME:PASSWORD@localhost/wtt_test"/>
ADODB driver location:	<input type="text" value="C:\xampp\php\pear\adodb\adodb.inc.php"/> <small>*Only needed if you run MySQL and PHP</small>
Language:	<input type="text" value="English"/>
Application path:	<input type="text"/> <small>Ends with a slash or backslash (depending on the system)!</small>
Custom page messages	
Admin page:	<input type="text"/>
Classrooms page:	<input type="text"/>
Courses page:	<input type="text"/>
Groups page:	<input type="text"/>
Lecturers page:	<input type="text"/>
Rooms page:	<input type="text"/>
Reservation email message (subject):	<input type="text" value="Resevation"/>
Reservation email message (body):	<input type="text" value="Room {{room}} is reserved by: {{user_name}} for {{reserved_for}}. {{NL}} Note: {{note}}. {{NL}} Time of"/>