

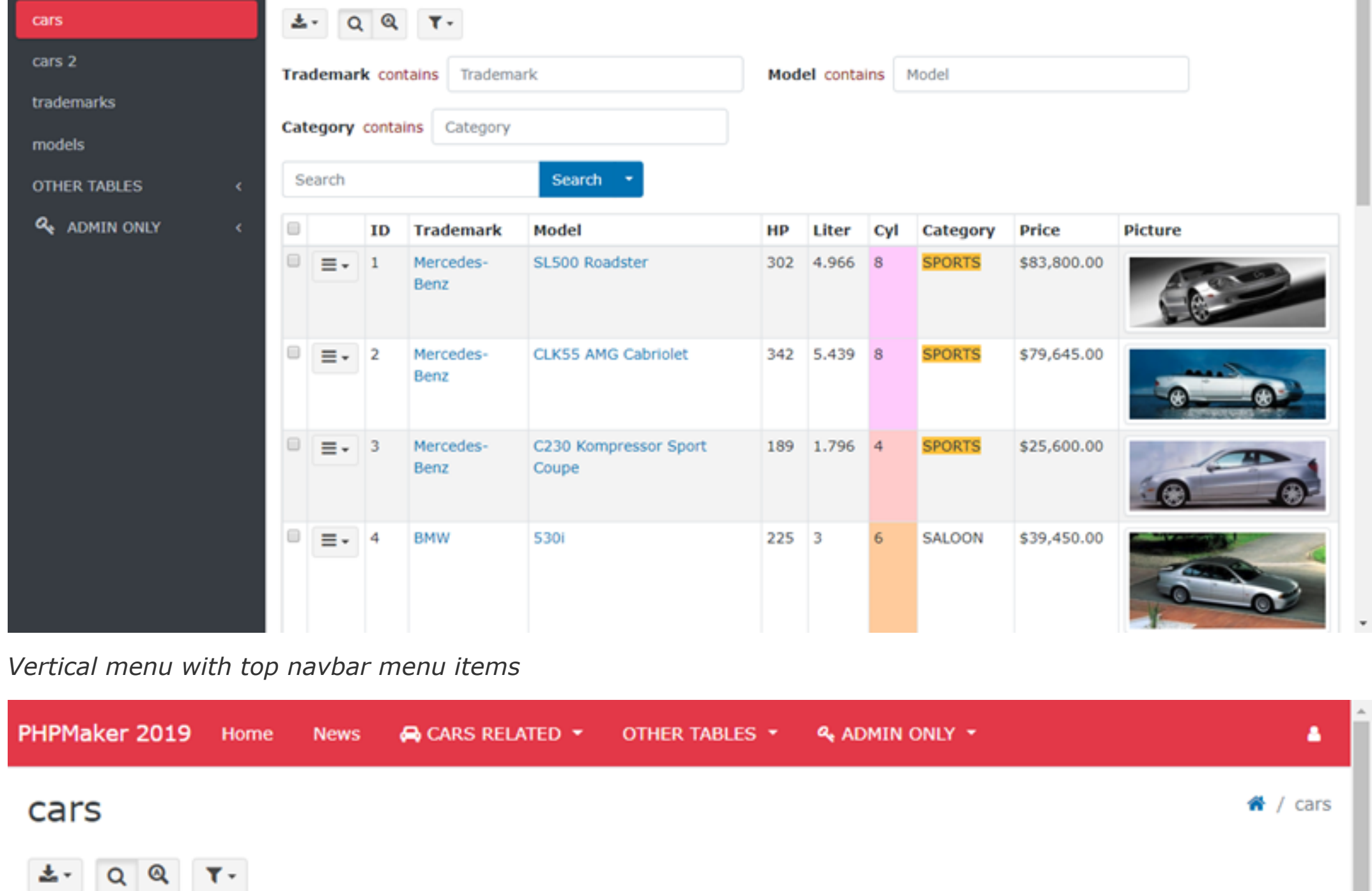
## What's New in PHPMaker 2019

PHPMaker 2019 is a major upgrade from v2018. It is loaded with a bunch of new features, including many frequently requested ones. PHPMaker is probably the most powerful and flexible product of its kind, and yet still easy-to-use as always.

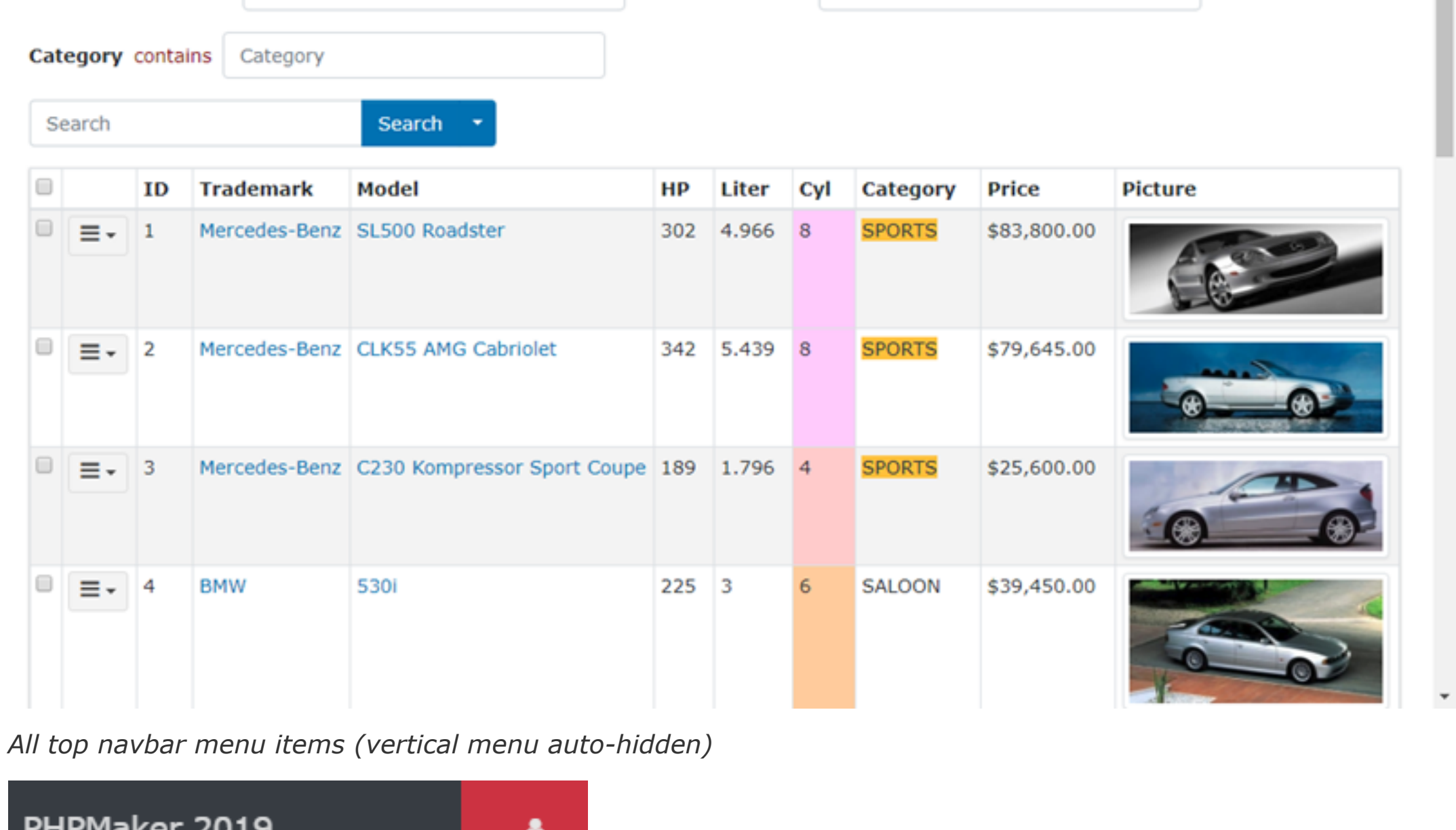
**IMPORTANT** If you upgrade from previous versions, please note that there are some breaking changes in this version, make sure you read [Migrating to v2019](#) first.

## Brand-New Layout with Bootstrap 4 and AdminLTE 3

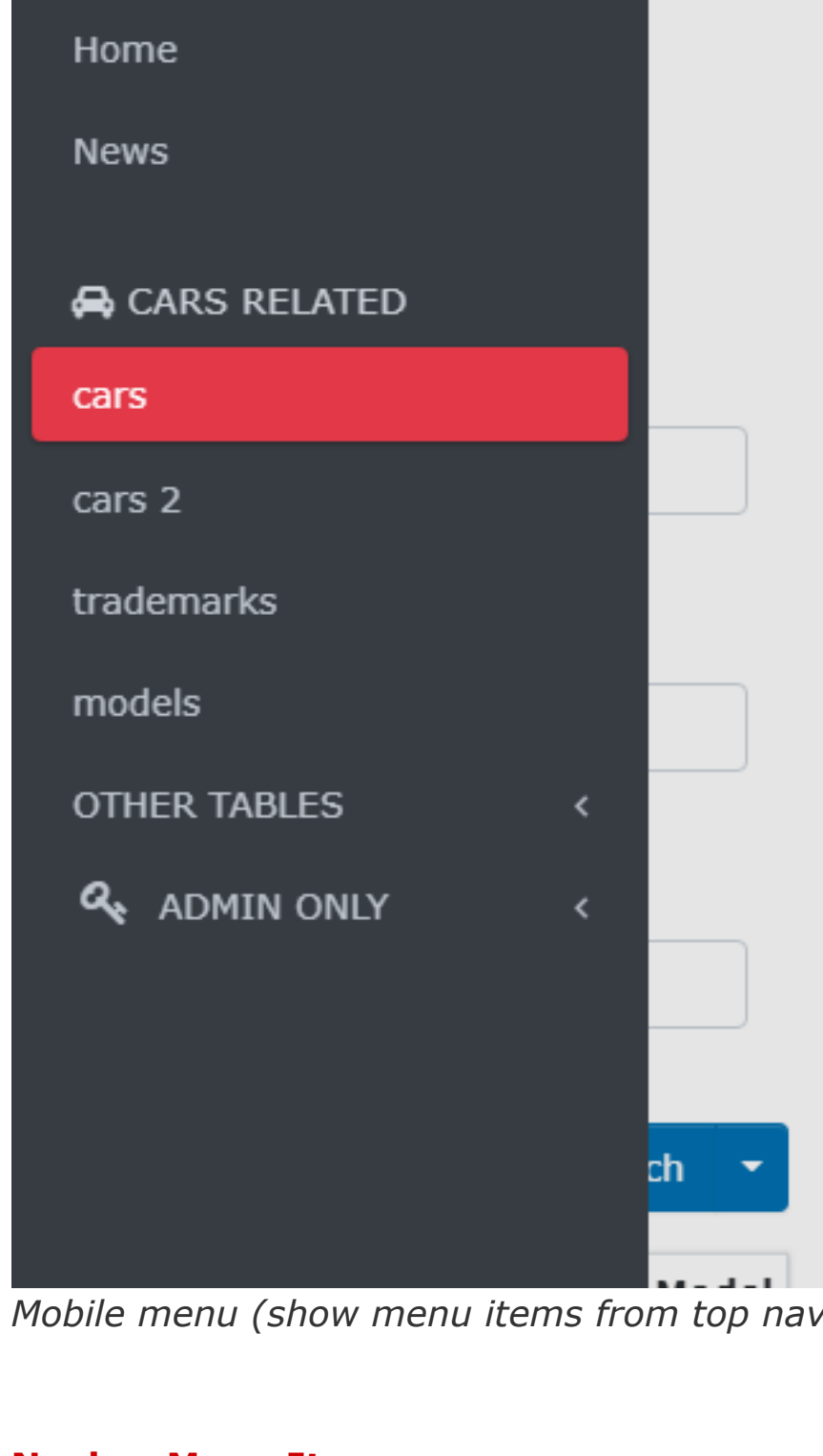
With Font Awesome 4 (replaces Bootstrap 3 Glyphicons)



Vertical menu with top navbar menu items



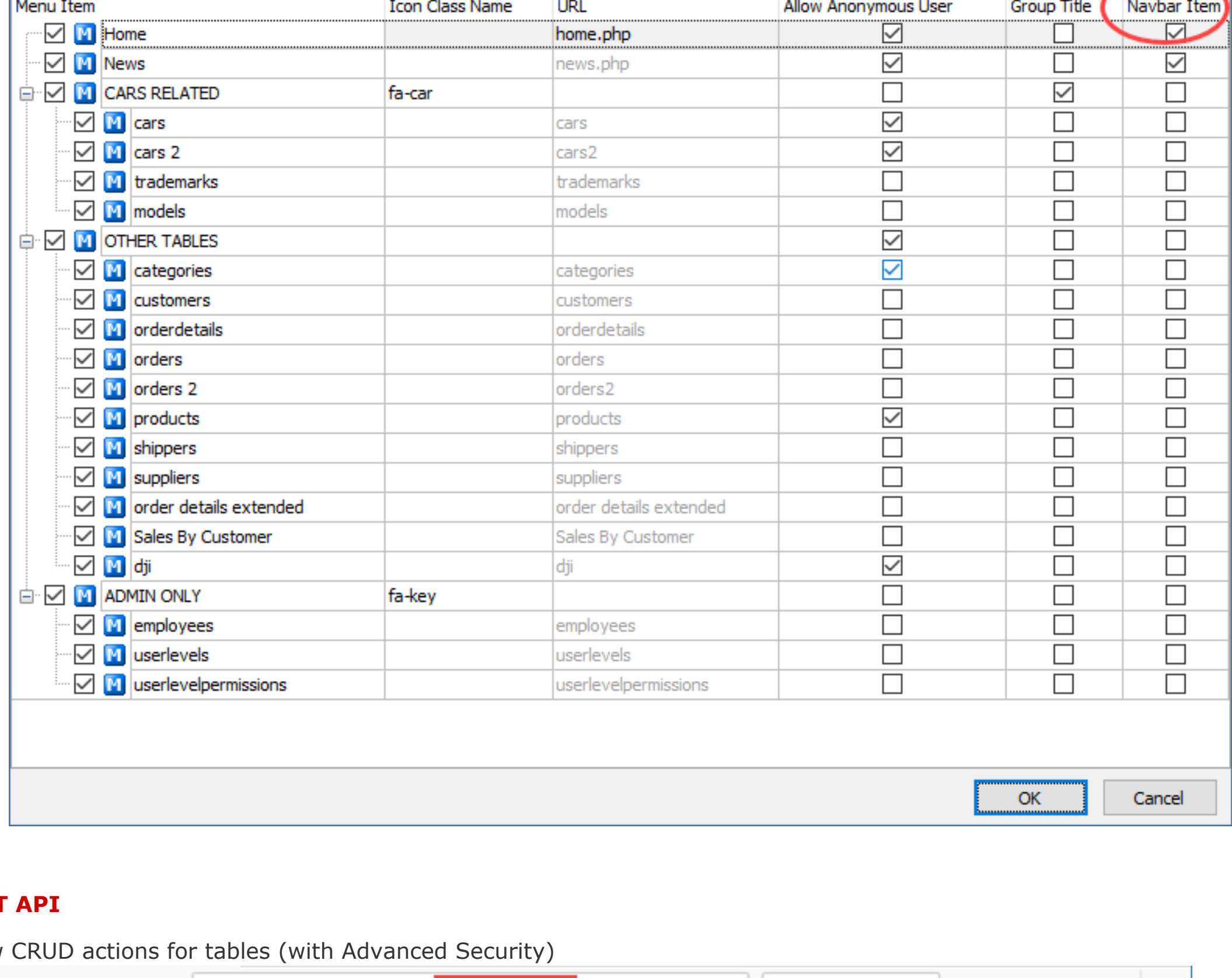
All top navbar menu items (vertical menu auto-hidden)



Mobile menu (show menu items from top navbar also)

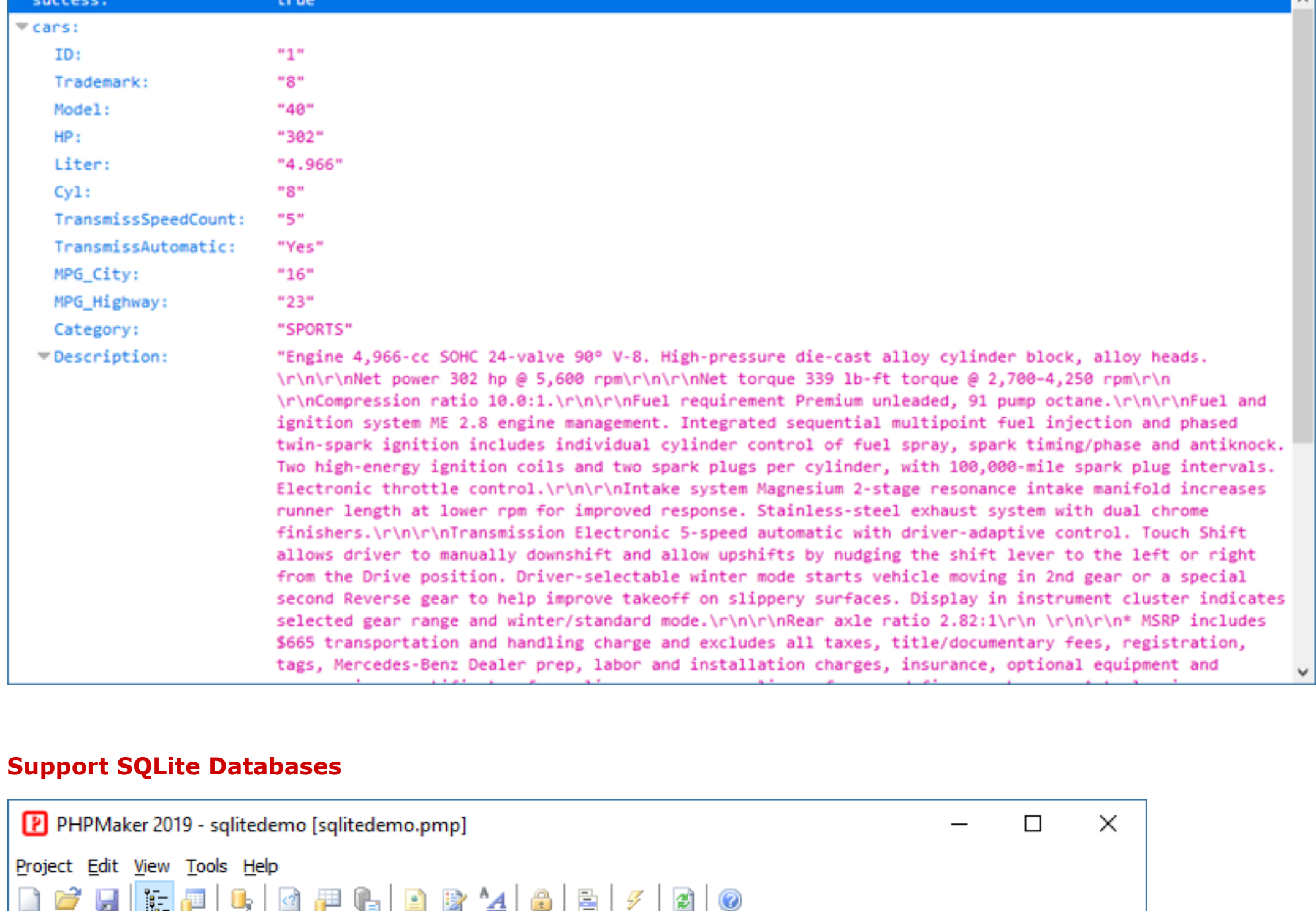
## Navbar Menu Items

- Allow both vertical menu items and top navbar menu items at the same time
- Auto-hide vertical menu if all items are top navbar items

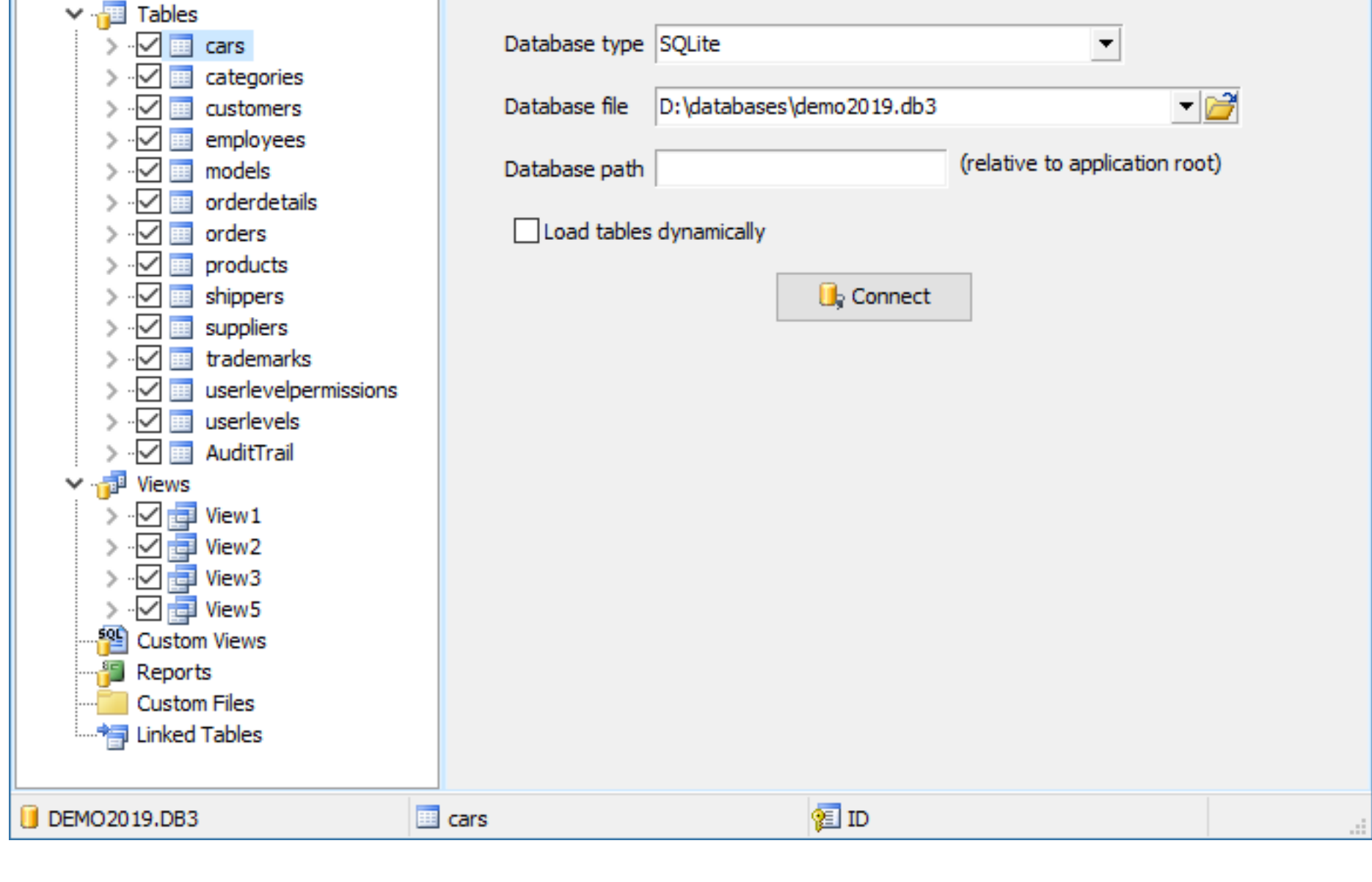


## REST API

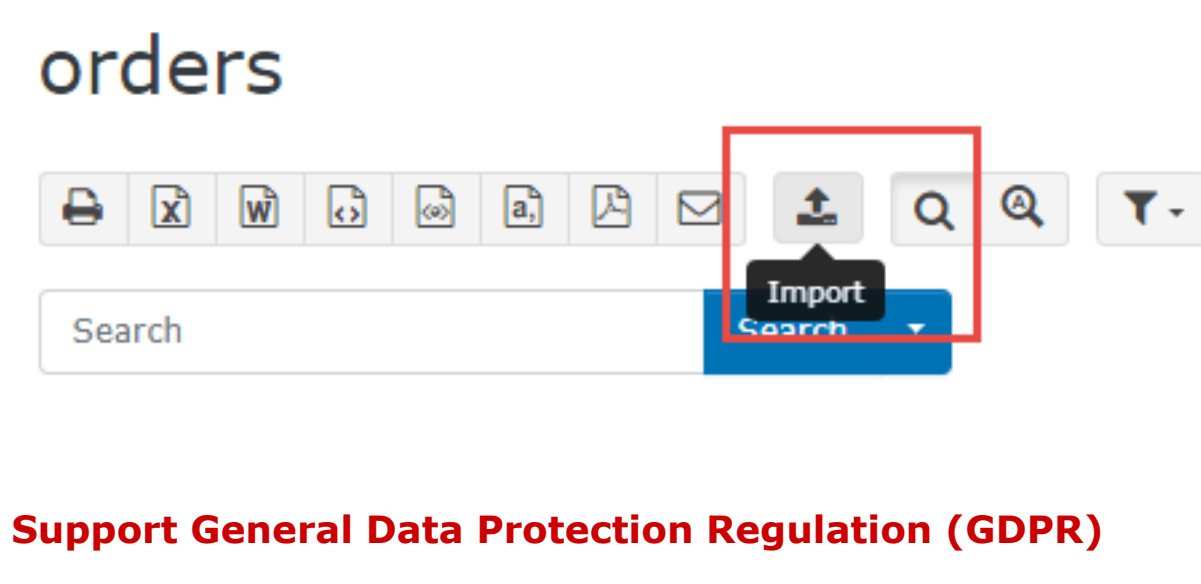
Allow CRUD actions for tables (with Advanced Security)



## Support SQLite Databases



## Import from Excel/CSV



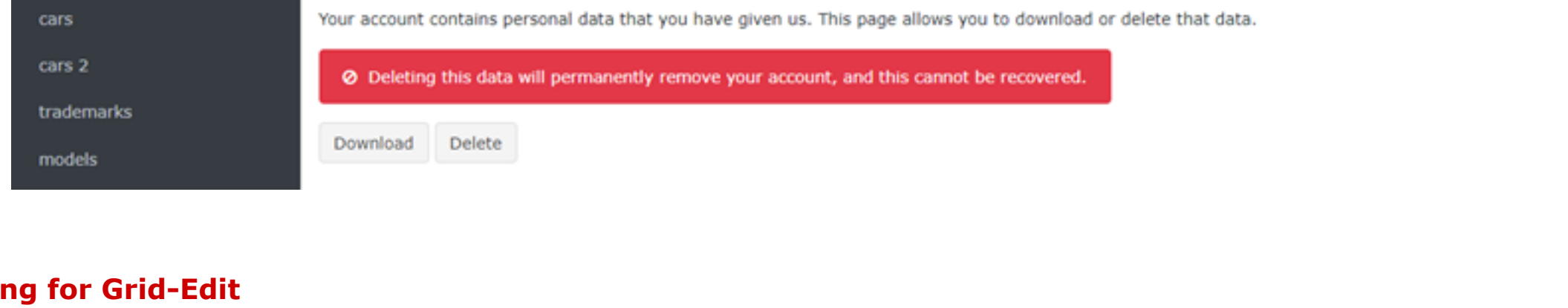
## Support General Data Protection Regulation (GDPR)

- Field Encryption extension (for registered users only) to encrypt selected fields with personal information

- Consent and privacy page

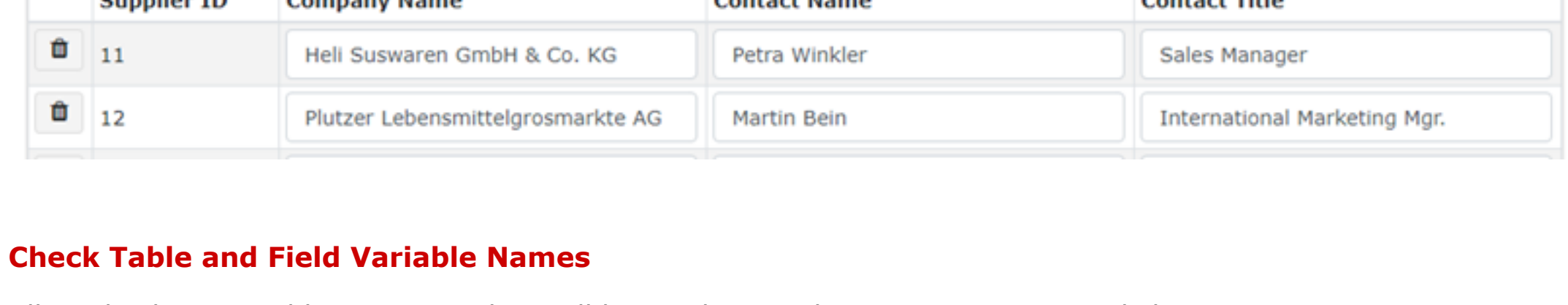


- Download and delete personal data page



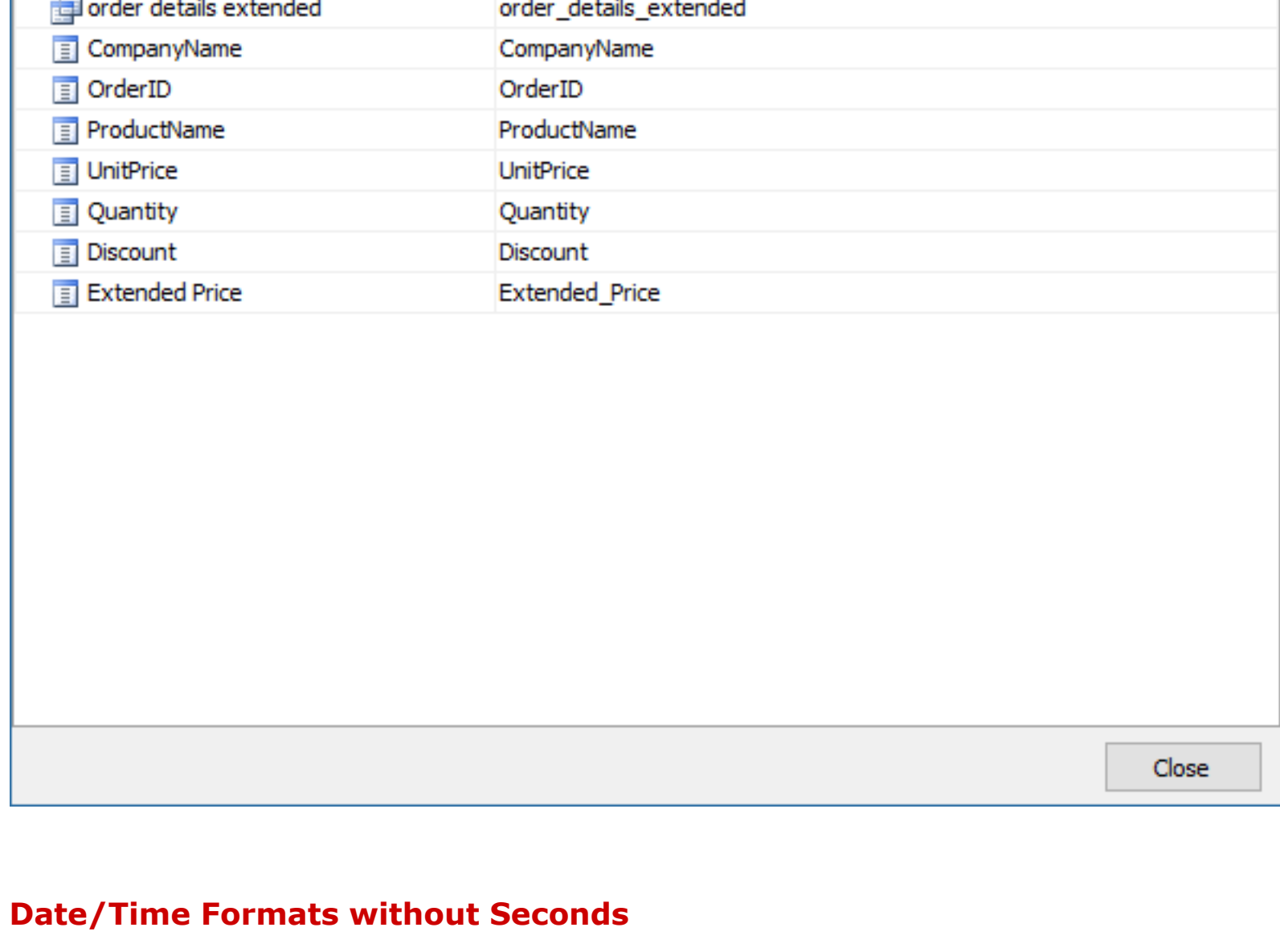
## Paging for Grid-Edit

With Return Page option for going back to List page or Grid-Add/Edit page



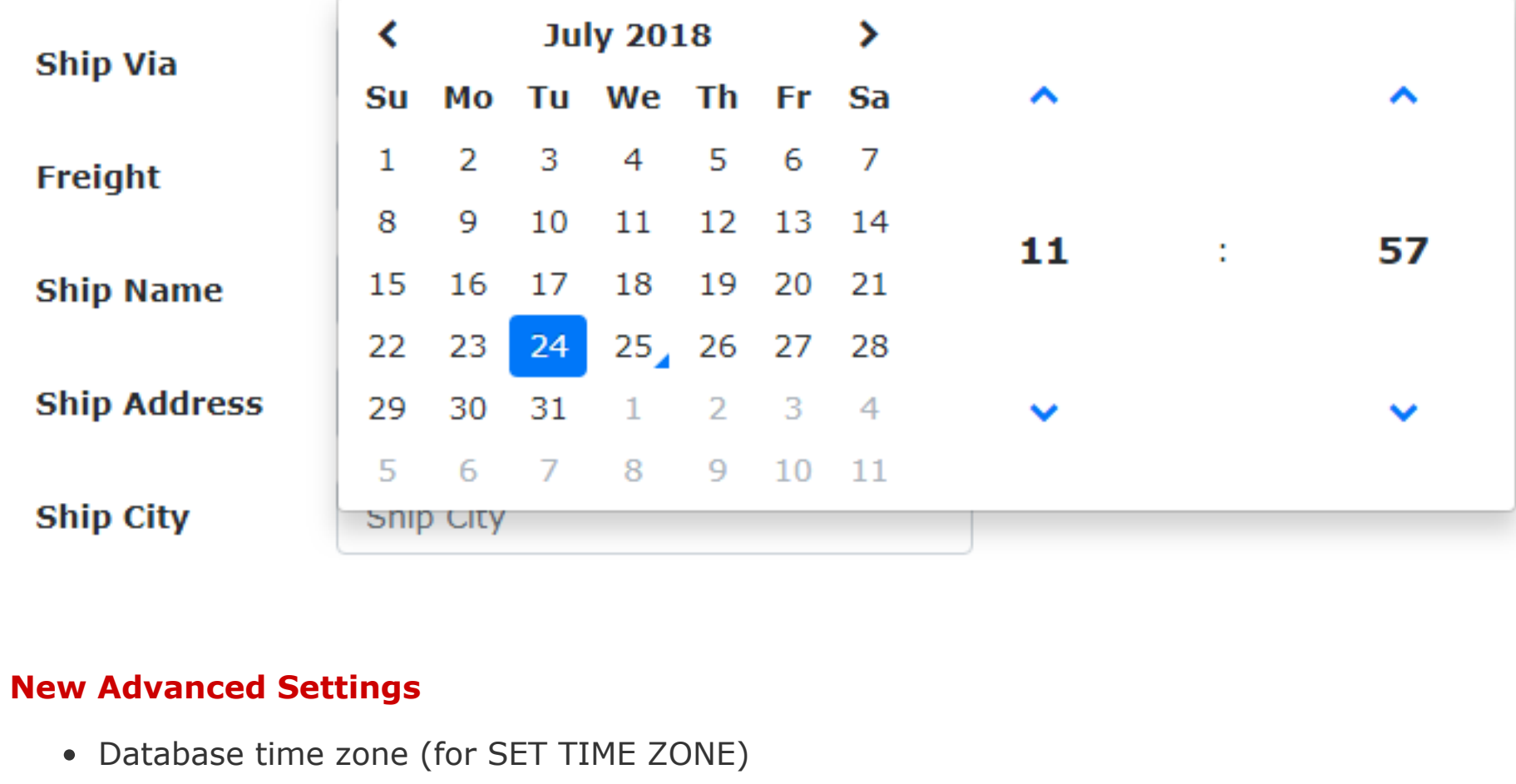
## Check Table and Field Variable Names

Allow checking variable names so they will be used correctly in server events and client scripts



## Date/Time Formats without Seconds

With Date/Time Picker (for all users) and Time Picker (for registered users only) support



## New Advanced Settings

- Database time zone (for SET TIME ZONE)
- Export field images (for export by dompdf/PHPWord/PhpSpreadsheet)
- Use Date/Time without seconds
- Use lookup cache
- Lookup cache count
- Import maximum execution time (seconds)
- Import records by insert only
- Import records by transaction
- Import supported file extensions
- Import from CSV delimiter
- Import from CSV quote character
- Encrypt administrator and database user name and password
- Encryption key for data protection
- PHPMailer mailer (smtp/mail/sendmail)
- Use cookie policy
- Use Personal Data Page
- API JWT signing secret key
- API JWT signing algorithm
- API JWT authorization header
- API access time after login (seconds)
- API expire time after login (seconds)
- API Access-Control-Allow-Origin header

## New Server Events and Client Scripts

- Server events and client scripts for Add Option page and Detail Grid page
- PersonalData\_Downloading
- PersonalData\_Deleted
- Page\_Importing
- Page\_Import
- Row\_Imported

## More

- PHP namespaces
- Improved naming conventions
- Autoload table and page classes
- Composer to manage packages
- Lookup cache to improve lookup field performance
- Improve XSS handling by HTML Purifier
- Optimize synchronizing linked tables with URL connection
- Show aggregate and detail record count in Master/Detail page
- Support modal links for Preview extension (for registered users only)
- Short time format (AM/PM) for TimePicker extension (registered users only)
- PHPMailer 6
- Support email address with name like "John Smith<johnsmith@company.com>" (for Email\_Sending server event)
- JsRender, Moment, jQuery File Upload, TimePicker, CKEditor and tinyMCE updated
- mobile\_detect.php and mobile-detect.js updated
- PhpSpreadsheet (replaces PHPEXcel) and PHPWord (updated and registered users only)
- Always use Microsoft SQL Driver for SQL Server (COM functions no longer supported)
- Always use mysqli (old mysql extension no longer supported)
- Many other minor improvements