COOPERATIVE LOGISTIC NETWORK INFORMATIONAL SYSTEM DEDICATED TO SME`S LOCATED AMONG E60 EUROPEAN ROAD (DATABASE)

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Abstract: The cooperative logistic network informational system dedicated to SME`s located among E60 road is based on PHP scripting language and the MySQL database server. In the first part of the paper we will present the structure of the database.

The cooperative logistic network informational system dedicated to SME`s located among E60 road is based on PHP scripting language and the MySQL database server.
In the first part of the paper we will present the structure of the database.
The MySQL database server is the world's most widely used open source database. Its ingenious software architecture makes it extremely fast and easy to customize. Extensive reuse of code within the software and a minimalistic approach to produce functionally rich features have resulted in a database management system unmatched in speed, compactness, stability and ease of deployment. The unique separation of the core server from the table handler makes it possible to run MySQL under strict transaction control or with ultrafast transactionless disk access, whichever is most appropriate for the situation.[1]
The structure of the database is build from the following tables :

- cargo
- map_city
- map_structure
- match
- menu
- menu_page
- region
- transport
- user
- variable_type

The table ‘cargo’ contains the registered cargo awaiting to be transported. The structure of the table ‘cargo’ is composed by the following fields:

- cargo_id, integer, auto generated incremental number, primary index
- cargo_user_id, integer
- cargo_register_date, date and time
- cargo_modify_date, date and time
- cargo_name, character
- cargo_start_date, date
- cargo_start_country, character
- cargo_start_region, character
- cargo_start_city, character
- cargo_start_zip, character
- cargo_stop_date, date
- cargo_stop_country, character
- cargo_stop_region, character

- cargo_stop_city, character
- cargo_stop_zip, character
- cargo_type, integer
- cargo_price, decimal
- cargo_weight, decimal
- cargo_description, character

The table 'map_city' contains the name of the locations among the route E60. The structure of the table 'map_city' is composed by the following fields:

- map_city_id, integer, auto generated incremental number, primary index
- map_city_name, character
- map_city_country_id, character
- map_city_region_nr, integer

The table 'map_structure' contains the distance and the connections between locations. The structure of the table 'map_structure' is composed by the following fields:

- map_structure_id, integer, auto generated incremental number, primary index
- map_structure_city_id_1, integer
- map_structure_city_id_2, integer
- map_structure_distance

The table 'match' contains the saved search results for the cargo. The structure of the table 'match' is composed by the following fields:

- match_id, integer, auto generated incremental number, primary index
- match_register_date, date time
- match_cargo_id, integer
- match_cargo_weight, decimal
- match_transport_id, integer
- match_transport_weight, decimal

The table 'menu' contains the structure of the web page menu. The structure of the table 'menu' is composed by the following fields:

- menu_id, auto generated incremental number, primary index
- menu_sub_id, integer
- menu_order, integer
- menu_visible, integer
- menu_url, character
- menu_name_1, character
- menu_name_2, character
- menu_name_3, character

The table 'menu_page' contains the HTML code for the static web pages like contact and home. The structure of the table 'menu' is composed by the following fields:

- menu_page_id, auto generated incremental number, primary index
- menu_page_menu_id, integer
- menu_page_content_1, character
- menu_page_content_2, character
- menu_page_content_3, character

The table 'region' contains the list of the regions with theiu code for every country among the E60. The structure of the table 'region' is composed by the following fields:

- region_nr, auto generated incremental number, primary index
- region_country_id, character
- region_country_name, character
- region_id, character
- region_name, character

The table 'transport' contains the list of the registered trucks. The structure of the table 'transport' is composed by the following fields:

- transport_id, auto generated incremental number, primary index
- transport_user_id, integer
- transport_register_date, date time
- transport_modify_date, date time
- transport_name, character
- transport_start_date, date time
- transport_start_country, character
- transport_start_region, character
- transport_start_city, character
- transport_start_zip, character
- transport_type, integer
- transport_weight, decimal
- transport_description, character

The table 'usert' contains the list of the registered users. The structure of the table 'user' is composed by the following fields:

- user_id, auto generated incremental number, primary index
- user_reg_date, date time
- user_log_date, date time
- user_name, character
- user_pass, character
- user_mail, character
- user_level, integer
- user_lang, integer
- user_company_contact, character
- user_company_name, character
- user_company_reg, character
- user_company_iban, character
- user_company_country, character
- user_company_region, character
- user_company_city, character
- user_comapny_zip, character
- user_company_address, character
- user_company, phone, integer
- user_company_fax, integer
- user_comapny_type, integer

The table 'variable_type' contains the pairing between cargo and truck types. The structure of the table 'variable_type' is composed by the following fields:

- variable_type_id, auto generated incremental number, primary index
- variable_type_transport_type, integer
- variable_type_cargo_type, integer

For database administration we using the tool called phpMyAdmin. phpMyAdmin is a free software tool written in PHP intended to handle the administration of MySQL over the World Wide Web. phpMyAdmin supports a wide range of operations with MySQL. The most frequently used operations are supported by the user interface (managing databases, tables, fields, relations, indexes, users, permissions, etc), while you still have the ability to directly execute any SQL statement.[2]

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