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| **Name of table** | **dbuser** | | |
| **Purpose of table** | Represents every user in the system (customer and a regular user as well) | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| ***id*** | INT | PRIMARY KEY NOT NULL | User's id |
| ***email*** | VARCHAR(45) | NOT NULL | User's email |
| **password** | VARCHAR(45) | NOT NULL | User's password |
| **role\_id** | INT | NOT NULL | Reference to "role" table |
| **firstname** | VARCHAR(45) |  | User's first name |
| **secondname** | VARCHAR(45) |  | User's second name |
| **lastname** | VARCHAR(45) |  | User's last name |
| **phone** | VARCHAR(45) |  | User's phone |
| **address\_id** | INT |  | Client address used to define suitable products for him |
| **corporate\_id** | INT |  | Corporation which user belongs to. NULL if user is not a corporate one |
| **is\_representative** | BOOLEAN |  | Represents the fact whether user is representative |
| **status** | VARCHAR(45) | NOT NULL | User account status |
| **is\_mailing\_enabled** | BOOLEAN |  | Represents the fact whether user has agreed for advertisement email reception |
| **Additional constraints for table** | FOREIGN KEY (role\_id) REFERENCES role(id) | | Field “role\_id” can include only values defined in field “id” of “role” table |
| FOREIGN KEY (address\_id) REFERENCES address(id) | | Field “address\_id” can include only values defined in field “id” of “address” table |
| FOREIGN KEY (corporate\_id) REFERENCES corporate(id) | | Field “corporate\_id” can include only values defined in field “id” of “corporate” table |

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| **Name of table** | **address** | | |
| **Purpose of table** | Represents the addresses of all customers/corporates | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Address' id |
| **region\_id** | INT |  | Reference to "region" table |
| **locality** | VARCHAR(255) |  | Customer's or corporation's location |
| **street** | VARCHAR(255) |  | Customer's or corporation's street |
| **house\_number** | VARCHAR(255) |  | Customer's or corporation's house number |
| **apartment\_number** | VARCHAR(255) |  | Customer's or corporation's apartment number |
| **Additional constraints for table** | FOREIGN KEY (region\_id) REFERENCES region(id) | | Field “region\_id” can include only values defined in field “id” of “region” table |

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| **Name of table** | **role** | | |
| **Purpose of table** | Represents a role for each user in the system (customer and a regular user as well) | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Role's id |
| **name** | VARCHAR(255) |  | Role's name |

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| **Name of table** | **corporate** | | |
| **Purpose of table** | Represents every corporation in the system | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Corporate's id |
| **corporate\_name** | VARCHAR(255) |  | Corporation's name |

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| **Name of table** | **customer\_service** | | |
| **Purpose of table** | Represents services for each customer (Represents a many-to-many relationship between customers and services) | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Customer service id |
| **customer\_id** | INT |  | Customers id |
| **service\_id** | INT |  | Services id |
| **price** | DOUBLE |  | Services price |
| **service\_status** | VARCHAR(255) |  | Services status |
| **Additional constraints for table** | FOREIGN KEY (customer\_id) REFERENCES dbuser(id) | | Field “customer\_id” can include only values defined in field “id” of “dbuser” table |
| FOREIGN KEY (service\_id) REFERENCES service(id) | | Field “service\_id” can include only values defined in field “id” of “service” table |

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| **Name of table** | **customer\_tariff** | | |
| **Purpose of table** | Represents tariffs for each customer (Represents a many-to-many relationship between customers and tariffs) | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Customer tariff id |
| **customer\_id** | INT |  | Customers id |
| **corporate\_id** | INT |  | Corporates id |
| **total\_price** | DOUBLE |  | Tariffs price |
| **tariff\_status** | VARCHAR(255) |  | Tariffs status |
| **tariff\_id** | INT |  | Tariffs id |
| **Additional constraints for table** | FOREIGN KEY (customer\_id) REFERENCES dbuser(id) | | Field “customer\_id” can include only values defined in field “id” of “dbuser” table |
| FOREIGN KEY (corporate\_id) REFERENCES corporate(id) | | Field “corporate\_id” can include only values defined in field “id” of “corporate” table |
| FOREIGN KEY (tariff\_id) REFERENCES tariff(id) | | Field “tariff\_id” can include only values defined in field “id” of “tariff” table |

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| **Name of table** | **tariff** | | |
| **Purpose of table** | Represents tariff and its properties | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| **id** | INT | PRIMARY KEY NOT NULL UNIQUE | Tariffs id |
| **tariff\_name** | VARCHAR(255) |  | Tariffs name |
| **product\_status** | VARCHAR(255) |  | Tariffs status |
| **internet** | VARCHAR(255) |  | Terms of using the Internet for the tariff |
| **calls\_in\_network** | VARCHAR(255) |  | Terms of calls inside operator system for the tariff |
| **calls\_on\_other\_numbers** | VARCHAR(255) |  | Terms of calls outside operator system for the tariff |
| **sms** | VARCHAR(255) |  | Terms of using the sms for the tariff |
| **mms** | VARCHAR(255) |  | Terms of using the mms for the tariff |
| **roaming** | VARCHAR(255) |  | Terms of using roaming for the tariff |
| **is\_corporate** | BOOLEAN |  | Represents is that tariff for individual customers or for corporate. |
| **creation\_date** | DATE |  | Date of tariffs creation. |
| **discount** | DOUBLE |  | Percent of discount. |
| **picture\_url** | VARCHAR(255) |  | URL of tariffs picture. |
| **price** | DOUBLE |  | Tariffs price. |

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| **Name of table** | **service** | | |
| **Purpose of table** | Represents services and its properties | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| ***id*** | INT | PRIMARY KEY NOT NULL | Service's id |
| ***prod\_category\_id*** | INT |  | Category that service belongs to |
| **service\_name** | VARCHAR(255) |  | Service name |
| **price** | INT |  | Service price |
| **product\_status** | VARCHAR(255) |  | Status that service currently stays in |
| **discount** | DOUBLE |  | Value that service price will be reduced by |
| **picture\_url** | VARCHAR(255) |  | Url of the picture that corresponds to the given service |
| **description** | VARCHAR(255) |  | Long service description |
| **preview\_description** | VARCHAR(255) |  | Short service description |
| **duration\_in\_days** | INT |  | Defines a duration of how long the service will be activated |
| **amount** | INT |  | Amount of items that service includes |
| **Additional constraints for table** | FOREIGN KEY (prod\_category\_id) REFERENCES product\_category(id) | | Field “prod\_category\_id” can include only values defined in field “id” of “role” table |

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| **Name of table** | **verification\_token** | | |
| **Purpose of table** | Represents token used to confirm customer’s registration | | |
| **Primary key** | *id* | | |
| **Name of field** | **Data type and field length** | **Constraints** | **Full description of field** |
| ***id*** | INT | PRIMARY KEY NOT NULL | Service's id |
| ***token*** | VARCHAR(255) | UNIQUE | Unique token used to confirm customer’s registration |
| **expiry\_date** | DATETIME |  | Date when token expires |
| **user\_id** | INT |  | Id of the user that token corresponds to |
| **Additional constraints for table** | FOREIGN KEY (user\_id) REFERENCES dbuser(id) | | Field “user\_id” can include only values defined in field “id” of “dbuser” table |