ПРИЛОЖЕНЕИЕ 2.1

# Код реализации базы данных на сервере MySQL. Расширенная версия.

-- phpMyAdmin SQL Dump

-- version 2.10.1

-- http://www.phpmyadmin.net

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-- Хост: localhost

-- Время создания: Дек 07 2008 г., 01:41

-- Версия сервера: 5.0.45

-- Версия PHP: 5.2.5

SET SQL\_MODE="NO\_AUTO\_VALUE\_ON\_ZERO";

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-- База данных: `rd\_ext`

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-- Структура таблицы `rd\_class`

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CREATE TABLE `rd\_class` (

`ID\_class` int(11) NOT NULL auto\_increment,

`parent\_ID` int(11) NOT NULL,

`name` varchar(500) NOT NULL,

`tag` int(11) default NULL,

PRIMARY KEY (`ID\_class`),

KEY `parent\_ID` (`parent\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_measurment`

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CREATE TABLE `rd\_measurment` (

`ID\_measure` int(11) NOT NULL auto\_increment,

`patient\_ID` int(11) NOT NULL,

`diagnoz\_link\_ID` int(11) NOT NULL,

`place\_ID` int(11) NOT NULL,

`patient\_params\_link\_ID` int(11) NOT NULL,

`patient\_chars\_link\_ID` int(11) NOT NULL,

`points\_array\_ID` int(11) NOT NULL,

`datetime` datetime NOT NULL,

PRIMARY KEY (`ID\_measure`),

KEY `patient\_ID` (`patient\_ID`),

KEY `diagnoz\_link\_ID` (`diagnoz\_link\_ID`),

KEY `place\_ID` (`place\_ID`),

KEY `patient\_params\_link\_ID` (`patient\_params\_link\_ID`),

KEY `patient\_chars\_link\_ID` (`patient\_chars\_link\_ID`),

KEY `points\_array\_ID` (`points\_array\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_measurment\_class\_link`

--

CREATE TABLE `rd\_measurment\_class\_link` (

`ID\_link` int(11) NOT NULL auto\_increment,

`class\_ID` int(11) NOT NULL,

`measure\_ID` int(11) NOT NULL,

PRIMARY KEY (`ID\_link`),

KEY `class\_ID` (`class\_ID`),

KEY `measure\_ID` (`measure\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_patient`

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CREATE TABLE `rd\_patient` (

`ID\_patient` int(11) NOT NULL auto\_increment,

`surname` varchar(150) NOT NULL,

`name` varchar(150) default NULL,

`fname` varchar(150) default NULL,

`gender` int(3) NOT NULL,

`day` tinyint(3) unsigned default NULL,

`month` mediumint(8) unsigned default NULL,

`year` mediumint(8) unsigned default NULL,

`time` tinyint(3) unsigned default NULL,

`place` int(10) default NULL,

`desc` varchar(2000) default NULL,

PRIMARY KEY (`ID\_patient`),

KEY `place` (`place`),

KEY `gender` (`gender`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_points`

--

CREATE TABLE `rd\_points` (

`ID\_point` int(11) NOT NULL auto\_increment,

`point\_type\_ID` int(11) NOT NULL,

`measure\_ID` int(11) NOT NULL,

`current` varchar(5000) NOT NULL,

`voltage` varchar(5000) NOT NULL,

PRIMARY KEY (`ID\_point`),

KEY `point\_type\_ID` (`point\_type\_ID`),

KEY `measure\_ID` (`measure\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_points\_array`

--

CREATE TABLE `rd\_points\_array` (

`ID\_points\_array` int(11) NOT NULL auto\_increment,

`array\_name` varchar(100) NOT NULL,

`array\_desc` varchar(2000) default NULL,

`tag` int(10) unsigned default NULL,

PRIMARY KEY (`ID\_points\_array`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_points\_order`

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CREATE TABLE `rd\_points\_order` (

`ID\_points\_order` int(10) NOT NULL auto\_increment,

`points\_array\_ID` int(10) NOT NULL,

`point\_type\_ID` int(10) NOT NULL,

`graph\_position` tinyint(3) unsigned NOT NULL,

`measyre\_position` tinyint(3) unsigned NOT NULL,

PRIMARY KEY (`ID\_points\_order`),

KEY `points\_array\_ID` (`points\_array\_ID`),

KEY `point\_type\_ID` (`point\_type\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_point\_place`

--

CREATE TABLE `rd\_point\_place` (

`ID\_point\_place` int(11) NOT NULL auto\_increment,

`place\_name` varchar(200) NOT NULL,

`place\_tag` int(11) NOT NULL,

PRIMARY KEY (`ID\_point\_place`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_point\_type`

--

CREATE TABLE `rd\_point\_type` (

`ID\_point\_type` int(11) NOT NULL auto\_increment,

`point\_place\_ID` int(11) NOT NULL,

`point\_name` varchar(10) NOT NULL,

`point\_desc` varchar(2000) default NULL,

`point\_image` longblob NOT NULL,

PRIMARY KEY (`ID\_point\_type`),

KEY `point\_place\_ID` (`point\_place\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Структура таблицы `rd\_result`

--

CREATE TABLE `rd\_result` (

`ID\_result` bigint(20) NOT NULL auto\_increment,

`measure\_ID` int(11) NOT NULL,

`model\_ID` int(11) NOT NULL,

`param\_ID` int(11) NOT NULL,

`point\_ID` int(11) NOT NULL,

`repeat` enum('1','2','3','4','5','6') NOT NULL,

`value` double default NULL,

PRIMARY KEY (`ID\_result`),

KEY `measure\_ID` (`measure\_ID`),

KEY `model\_ID` (`model\_ID`),

KEY `param\_ID` (`param\_ID`),

KEY `point\_ID` (`point\_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=1 ;

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-- Constraints for dumped tables

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-- Constraints for table `rd\_class`

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ALTER TABLE `rd\_class`

ADD CONSTRAINT `rd\_class\_ibfk\_1` FOREIGN KEY (`parent\_ID`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE;

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-- Constraints for table `rd\_measurment`

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ALTER TABLE `rd\_measurment`

ADD CONSTRAINT `rd\_measurment\_ibfk\_6` FOREIGN KEY (`points\_array\_ID`) REFERENCES `rd\_points\_array` (`ID\_points\_array`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_ibfk\_1` FOREIGN KEY (`patient\_ID`) REFERENCES `rd\_patient` (`ID\_patient`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_ibfk\_2` FOREIGN KEY (`diagnoz\_link\_ID`) REFERENCES `rd\_measurment\_class\_link` (`measure\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_ibfk\_3` FOREIGN KEY (`place\_ID`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_ibfk\_4` FOREIGN KEY (`patient\_params\_link\_ID`) REFERENCES `rd\_measurment\_class\_link` (`measure\_ID`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_ibfk\_5` FOREIGN KEY (`patient\_chars\_link\_ID`) REFERENCES `rd\_measurment\_class\_link` (`measure\_ID`) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `rd\_measurment\_class\_link`

--

ALTER TABLE `rd\_measurment\_class\_link`

ADD CONSTRAINT `rd\_measurment\_class\_link\_ibfk\_2` FOREIGN KEY (`measure\_ID`) REFERENCES `rd\_measurment` (`ID\_measure`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_measurment\_class\_link\_ibfk\_1` FOREIGN KEY (`class\_ID`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `rd\_patient`

--

ALTER TABLE `rd\_patient`

ADD CONSTRAINT `rd\_patient\_ibfk\_2` FOREIGN KEY (`gender`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_patient\_ibfk\_1` FOREIGN KEY (`place`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `rd\_points`

--

ALTER TABLE `rd\_points`

ADD CONSTRAINT `rd\_points\_ibfk\_2` FOREIGN KEY (`measure\_ID`) REFERENCES `rd\_measurment` (`ID\_measure`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_points\_ibfk\_1` FOREIGN KEY (`point\_type\_ID`) REFERENCES `rd\_point\_type` (`ID\_point\_type`) ON DELETE CASCADE ON UPDATE CASCADE;

--

-- Constraints for table `rd\_points\_order`

--

ALTER TABLE `rd\_points\_order`

ADD CONSTRAINT `rd\_points\_order\_ibfk\_2` FOREIGN KEY (`point\_type\_ID`) REFERENCES `rd\_point\_type` (`ID\_point\_type`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_points\_order\_ibfk\_1` FOREIGN KEY (`points\_array\_ID`) REFERENCES `rd\_points\_array` (`ID\_points\_array`) ON DELETE CASCADE ON UPDATE CASCADE;

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-- Constraints for table `rd\_point\_type`

--

ALTER TABLE `rd\_point\_type`

ADD CONSTRAINT `rd\_point\_type\_ibfk\_1` FOREIGN KEY (`point\_place\_ID`) REFERENCES `rd\_point\_place` (`ID\_point\_place`) ON DELETE CASCADE ON UPDATE CASCADE;

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-- Constraints for table `rd\_result`

--

ALTER TABLE `rd\_result`

ADD CONSTRAINT `rd\_result\_ibfk\_4` FOREIGN KEY (`point\_ID`) REFERENCES `rd\_points` (`ID\_point`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_result\_ibfk\_1` FOREIGN KEY (`measure\_ID`) REFERENCES `rd\_measurment` (`ID\_measure`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_result\_ibfk\_2` FOREIGN KEY (`model\_ID`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE,

ADD CONSTRAINT `rd\_result\_ibfk\_3` FOREIGN KEY (`param\_ID`) REFERENCES `rd\_class` (`ID\_class`) ON DELETE CASCADE ON UPDATE CASCADE;