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1/21/20

**Database Design**

**Database Table for User Login**

CREATE TABLE `users` (

`userid` bigint(255) NOT NULL AUTO\_INCREMENT,

`uname` varchar(16) NOT NULL,

`email` varchar(255) NOT NULL,

`password` varchar(32) NOT NULL,

`first` varchar(45) NOT NULL,

`middle` varchar(45) DEFAULT NULL,

`last` varchar(45) NOT NULL,

`birthday` date DEFAULT NULL,

`location` varchar(45) DEFAULT NULL,

`profile\_image` longblob,

`image\_test` varchar(45) DEFAULT NULL,

`admin` tinyint(4) NOT NULL,

PRIMARY KEY (`userid`)

) ENGINE=InnoDB AUTO\_INCREMENT=4 DEFAULT CHARSET=utf8;

**Database Table for User Posts**

CREATE TABLE `posts` (

`postid` bigint(255) NOT NULL AUTO\_INCREMENT,

`userid` bigint(255) NOT NULL,

`post` varchar(200) NOT NULL,

`create\_time` varchar(45) NOT NULL DEFAULT 'CURRENT\_TIMESTAMP',

`uname` varchar(16) DEFAULT NULL,

PRIMARY KEY (`postid`),

KEY `userid` (`userid`),

CONSTRAINT `posts\_ibfk\_1` FOREIGN KEY (`userid`) REFERENCES `users` (`userid`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB AUTO\_INCREMENT=2 DEFAULT CHARSET=utf8;

**Database Table for Post Comments**

CREATE TABLE `comments` (

`commentid` bigint(255) NOT NULL AUTO\_INCREMENT,

`userid` bigint(255) NOT NULL,

`postid` bigint(255) NOT NULL,

`comment` varchar(255) DEFAULT NULL,

PRIMARY KEY (`commentid`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

**Database Table for Friends**

CREATE TABLE `friends` (

`friendid` bigint(255) NOT NULL AUTO\_INCREMENT,

`friendalpha` bigint(255) NOT NULL,

`friendbeta` bigint(255) NOT NULL,

`status` tinyint(4) NOT NULL,

PRIMARY KEY (`friendid`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;