CREATE TABLE `user` (

`username` varchar(255) NOT NULL,

`name` varchar(255) DEFAULT NULL,

`password` varchar(255) DEFAULT NULL,

`role` int(11) DEFAULT NULL,

`create\_time` datetime DEFAULT NULL,

`update\_time` datetime DEFAULT NULL,

PRIMARY KEY (`username`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `profile` (

`username` varchar(255) NOT NULL,

`school\_year` int(11) DEFAULT NULL,

`school\_id` int(11) DEFAULT NULL,

`num\_ap\_courses` int(11) DEFAULT NULL,

`gpa` float DEFAULT NULL,

`SAT\_math` int(11) DEFAULT NULL,

`SAT\_EBRW` int(11) DEFAULT NULL,

`ACT\_math` int(11) DEFAULT NULL,

`ACT\_english` int(11) DEFAULT NULL,

`ACT\_reading` int(11) DEFAULT NULL,

`ACT\_science` int(11) DEFAULT NULL,

`ACT\_composite` int(11) DEFAULT NULL,

`SAT\_literature` int(11) DEFAULT NULL,

`SAT\_US\_hist` int(11) DEFAULT NULL,

`SAT\_world\_hist` int(11) DEFAULT NULL,

`SAT\_math\_I` int(11) DEFAULT NULL,

`SAT\_math\_II` int(11) DEFAULT NULL,

`SAT\_eco\_bio` int(11) DEFAULT NULL,

`SAT\_mol\_bio` int(11) DEFAULT NULL,

`SAT\_chemistry` int(11) DEFAULT NULL,

`SAT\_physics` int(11) DEFAULT NULL,

`major1` varchar(45) DEFAULT NULL,

`major2` varchar(45) DEFAULT NULL,

`create\_time` datetime DEFAULT NULL,

`update\_time` datetime DEFAULT NULL,

PRIMARY KEY (`username`),

KEY `school\_id\_idx` (`school\_id`),

KEY `major1\_fk\_idx` (`major1`),

KEY `major2\_fk\_idx` (`major2`),

CONSTRAINT `major1\_fk` FOREIGN KEY (`major1`) REFERENCES `Major` (`name`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `major2\_fk` FOREIGN KEY (`major2`) REFERENCES `Major` (`name`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `profile\_username\_fk` FOREIGN KEY (`username`) REFERENCES `User` (`username`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `school\_id\_prof\_fk` FOREIGN KEY (`school\_id`) REFERENCES `Highschool` (`school\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `college` (

`id` int(11) NOT NULL,

`name` varchar(128) NOT NULL,

`type` varchar(45) DEFAULT NULL,

`average\_gpa` float DEFAULT NULL,

`admission\_rate` float DEFAULT NULL,

`city` varchar(45) DEFAULT NULL,

`state` varchar(45) DEFAULT NULL,

`webpage` varchar(512) DEFAULT NULL,

`latitude` float DEFAULT NULL,

`longitude` float DEFAULT NULL,

`instate\_tuition` int(11) DEFAULT NULL,

`outstate\_tuition` int(11) DEFAULT NULL,

`net\_price` float DEFAULT NULL,

`median\_debt` float DEFAULT NULL,

`num\_students\_enrolled` int(11) DEFAULT NULL,

`retention\_rate` float DEFAULT NULL,

`completion\_rate` float DEFAULT NULL,

`mean\_earnings` float DEFAULT NULL,

`updated\_time` datetime DEFAULT NULL,

`ranking` int(11) DEFAULT NULL,

`SAT\_math25` int(11) DEFAULT NULL,

`SAT\_math50` int(11) DEFAULT NULL,

`SAT\_math75` int(11) DEFAULT NULL,

`SAT\_EBRW25` int(11) DEFAULT NULL,

`SAT\_EBRW50` int(11) DEFAULT NULL,

`SAT\_EBRW75` int(11) DEFAULT NULL,

`SAT\_overall` int(11) DEFAULT NULL,

`ACT\_math25` int(11) DEFAULT NULL,

`ACT\_math50` int(11) DEFAULT NULL,

`ACT\_math75` int(11) DEFAULT NULL,

`ACT\_english25` int(11) DEFAULT NULL,

`ACT\_english50` int(11) DEFAULT NULL,

`ACT\_english75` int(11) DEFAULT NULL,

`ACT\_reading25` int(11) DEFAULT NULL,

`ACT\_reading50` int(11) DEFAULT NULL,

`ACT\_reading75` int(11) DEFAULT NULL,

`ACT\_science25` int(11) DEFAULT NULL,

`ACT\_science50` int(11) DEFAULT NULL,

`ACT\_science75` int(11) DEFAULT NULL,

`ACT\_composite` int(11) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `major` (

`name` varchar(45) NOT NULL,

PRIMARY KEY (`name`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `log` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`create\_time` datetime DEFAULT NULL,

`description` varchar(255) DEFAULT NULL,

`exception\_code` varchar(255) DEFAULT NULL,

`exception\_detail` varchar(255) DEFAULT NULL,

`params` varchar(255) DEFAULT NULL,

`request\_ip` varchar(255) DEFAULT NULL,

`service` varchar(255) DEFAULT NULL,

`type` varchar(255) DEFAULT NULL,

`user\_role` int(11) DEFAULT NULL,

`username` varchar(255) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB AUTO\_INCREMENT=1692 DEFAULT CHARSET=utf8

CREATE TABLE `highschool` (

`school\_id` int(11) NOT NULL AUTO\_INCREMENT,

`name` varchar(128) NOT NULL,

`type` varchar(45) DEFAULT NULL,

`ranking` int(11) DEFAULT NULL,

`city` varchar(45) DEFAULT NULL,

`state` varchar(45) DEFAULT NULL,

`SAT\_math` int(11) DEFAULT NULL,

`SAT\_EBRW` int(11) DEFAULT NULL,

`SAT\_overall` int(11) DEFAULT NULL,

`ACT\_math` int(11) DEFAULT NULL,

`ACT\_english` int(11) DEFAULT NULL,

`ACT\_reading` int(11) DEFAULT NULL,

`ACT\_science` int(11) DEFAULT NULL,

`ACT\_composite` int(11) DEFAULT NULL,

PRIMARY KEY (`school\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=31 DEFAULT CHARSET=utf8

CREATE TABLE `college\_highschool\_association` (

`college\_id` int(11) NOT NULL,

`highschool\_id` int(11) NOT NULL,

PRIMARY KEY (`college\_id`,`highschool\_id`),

KEY `highschool\_id\_idx` (`highschool\_id`),

CONSTRAINT `college\_id\_cha\_fk` FOREIGN KEY (`college\_id`) REFERENCES `College` (`id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `highschool\_id\_cha\_fk` FOREIGN KEY (`highschool\_id`) REFERENCES `Highschool` (`school\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `college\_major\_association` (

`college\_id` int(11) NOT NULL,

`major\_name` varchar(45) NOT NULL,

PRIMARY KEY (`college\_id`,`major\_name`),

KEY `major\_name\_idx` (`major\_name`),

CONSTRAINT `college\_id\_cma\_fk` FOREIGN KEY (`college\_id`) REFERENCES `College` (`id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `major\_name\_cma\_fk` FOREIGN KEY (`major\_name`) REFERENCES `Major` (`name`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `highschool\_major\_association` (

`highschool\_id` int(11) NOT NULL,

`major\_name` varchar(45) NOT NULL,

PRIMARY KEY (`highschool\_id`,`major\_name`),

KEY `major\_name\_idx` (`major\_name`),

CONSTRAINT `highschool\_id\_hma\_fk` FOREIGN KEY (`highschool\_id`) REFERENCES `Highschool` (`school\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `major\_name\_hma\_fk` FOREIGN KEY (`major\_name`) REFERENCES `Major` (`name`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8

CREATE TABLE `student\_application` (

`username` varchar(255) NOT NULL,

`college\_id` int(11) NOT NULL,

`admission\_term` varchar(45) DEFAULT NULL,

`status` int(11) DEFAULT NULL,

`questionable` tinyint(4) DEFAULT NULL,

PRIMARY KEY (`username`,`college\_id`),

KEY `college\_id\_idx` (`college\_id`),

CONSTRAINT `college\_id\_appl\_fk` FOREIGN KEY (`college\_id`) REFERENCES `College` (`id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `username\_appl\_fk` FOREIGN KEY (`username`) REFERENCES `User` (`username`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8