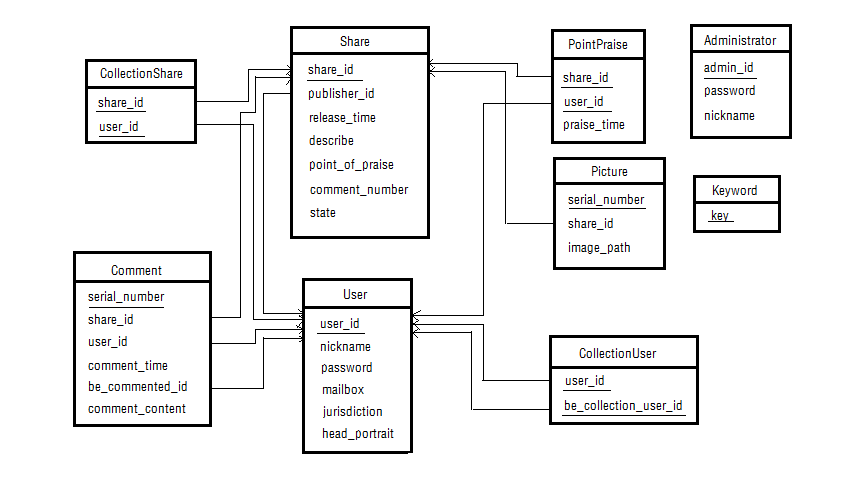
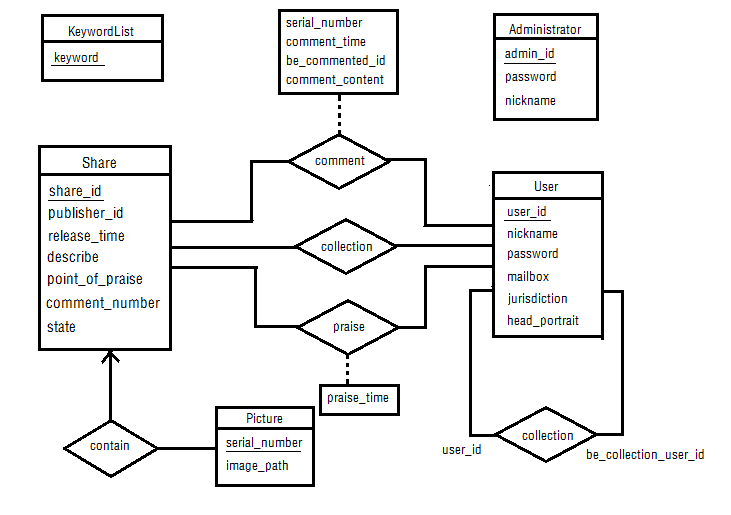
关系模式图



ER图



建表：

1、用户表（user）

CREATE TABLE `ishow`.`user`(

`user\_id` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`nickname` VARCHAR(20) NOT NULL,

`password` VARCHAR(20) NOT NULL,

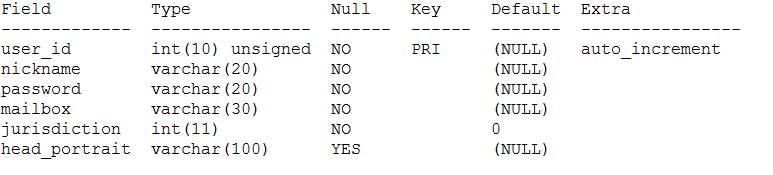
`mailbox` VARCHAR(30) NOT NULL,

`jurisdiction` INT NOT NULL DEFAULT 0,

`head\_portrait` VARCHAR(100) NULL,

PRIMARY KEY (`user\_id`)

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



2、分享表（share）

CREATE TABLE `ishow`.`share`(

`share\_id` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`publisher\_id` INT UNSIGNED NOT NULL,

`release\_time` DATETIME NOT NULL,

`describe` TEXT,

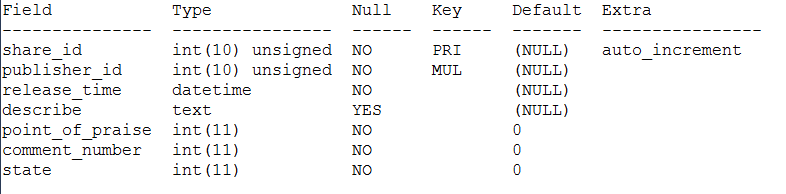
`point\_of\_praise` INT NOT NULL DEFAULT 0,

`comment\_number` INT NOT NULL DEFAULT 0,

`state` INT NOT NULL DEFAULT 0,

PRIMARY KEY (`share\_id`),

FOREIGN KEY (`publisher\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE

)ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;

3、图片表（picture）

CREATE TABLE `ishow`.`picture`(

`serial\_number` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

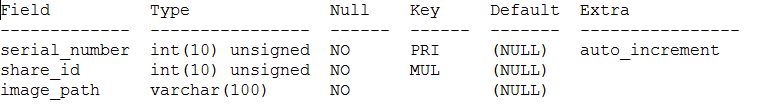
`share\_id` INT UNSIGNED NOT NULL,

`image\_path` VARCHAR(100) NOT NULL,

PRIMARY KEY (`serial\_number`),

FOREIGN KEY (`share\_id`) REFERENCES `ishow`.`share`(`share\_id`) ON UPDATE CASCADE ON DELETE CASCADE

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



4、点赞表（PointPraise）

CREATE TABLE `ishow`.`PointPraise`(

`share\_id` INT UNSIGNED NOT NULL,

`user\_id` INT UNSIGNED NOT NULL,

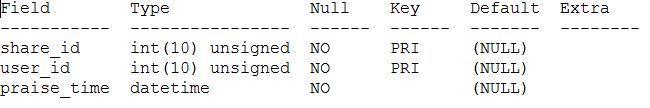
`praise\_time` DATETIME NOT NULL,

PRIMARY KEY (`share\_id`, `user\_id`),

FOREIGN KEY (`share\_id`) REFERENCES `ishow`.`share`(`share\_id`) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (`user\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



5、收藏分享表（CollectionShare）

CREATE TABLE `ishow`.`CollectionShare`(

`share\_id` INT UNSIGNED NOT NULL,

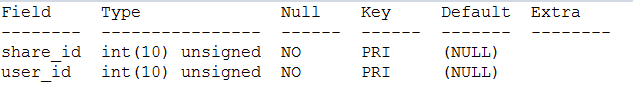
`user\_id` INT UNSIGNED NOT NULL,

PRIMARY KEY (`share\_id`, `user\_id`),

FOREIGN KEY (`share\_id`) REFERENCES `ishow`.`share`(`share\_id`) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (`user\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



6、收藏用户表（CollectionUser）

CREATE TABLE `ishow`.`CollectionUser`(

`user\_id` INT UNSIGNED NOT NULL,

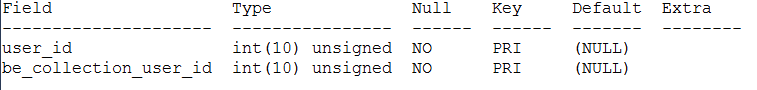
`be\_collection\_user\_id` INT UNSIGNED NOT NULL,

PRIMARY KEY (`user\_id`, `be\_collection\_user\_id`),

FOREIGN KEY (`user\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (`be\_collection\_user\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



7、评论表（Comment）

CREATE TABLE `ishow`.`Comment`(

`serial\_number` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`share\_id` INT UNSIGNED NOT NULL,

`user\_id` INT UNSIGNED NOT NULL,

`comment\_time` DATETIME NOT NULL,

`be\_commented\_id` INT UNSIGNED,

`comment\_content` TEXT NOT NULL,

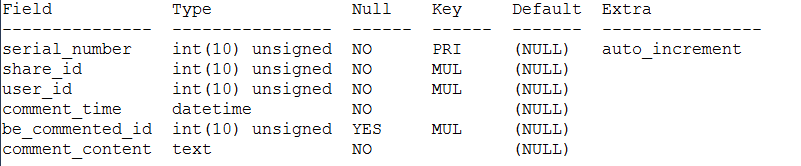
PRIMARY KEY (`serial\_number`),

FOREIGN KEY (`share\_id`) REFERENCES `ishow`.`share`(`share\_id`) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (`user\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (`be\_commented\_id`) REFERENCES `ishow`.`user`(`user\_id`) ON UPDATE CASCADE ON DELETE CASCADE

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



8、管理员表（Administrator）

CREATE TABLE `ishow`.`Administrator`(

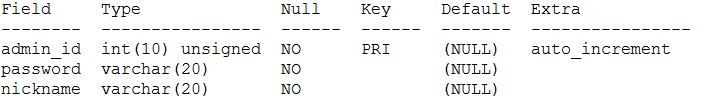
`admin\_id` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`password` VARCHAR(20) NOT NULL,

`nickname` VARCHAR(20) NOT NULL,

PRIMARY KEY (`admin\_id`)

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



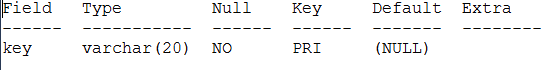
9、关键字表（Keyword）

CREATE TABLE `ishow`.`Keyword`(

`key` VARCHAR(20) NOT NULL,

PRIMARY KEY (`key`)

) ENGINE=INNODB CHARSET=utf8 COLLATE=utf8\_general\_ci;



触发器1（点赞表增加，对应的分享表里的点赞数+1）

DELIMITER $$

USE `ishow`$$

DROP TRIGGER /\*!50032 IF EXISTS \*/ `trigger\_01`$$

CREATE

/\*!50017 DEFINER = 'root'@'localhost' \*/

TRIGGER `trigger\_01` AFTER INSERT ON `pointpraise`

FOR EACH ROW BEGIN

UPDATE `ishow`.`share` SET point\_of\_praise=point\_of\_praise+1

WHERE new.share\_id=`ishow`.`share`.`share\_id`;

END;

$$

DELIMITER ;

触发器2（点赞表增加，对应的分享表里的点赞数-1）

DELIMITER $$

CREATE

/\*[DEFINER = { user | CURRENT\_USER }]\*/

TRIGGER `ishow`.`trigger\_02` AFTER DELETE

ON `ishow`.`PointPraise`

FOR EACH ROW BEGIN

UPDATE `ishow`.`share` SET point\_of\_praise=point\_of\_praise-1

WHERE old.share\_id=`ishow`.`share`.`share\_id`;

END$$

DELIMITER ;

触发器3（评论表增加，对应的分享表里的评论数+1）

DELIMITER $$

USE `ishow`$$

DROP TRIGGER /\*!50032 IF EXISTS \*/ `trigger\_03`$$

CREATE

/\*!50017 DEFINER = 'root'@'localhost' \*/

TRIGGER `trigger\_03` AFTER INSERT ON `comment`

FOR EACH ROW BEGIN

UPDATE `ishow`.`share` SET comment\_number=comment\_number+1

WHERE new.share\_id=`ishow`.`share`.`share\_id`;

END;

$$

DELIMITER ;

触发器4（评论表增加，对应的分享表里的评论数-1）

DELIMITER $$

USE `ishow`$$

DROP TRIGGER /\*!50032 IF EXISTS \*/ `trigger\_04`$$

CREATE

/\*!50017 DEFINER = 'root'@'localhost' \*/

TRIGGER `trigger\_04` AFTER DELETE ON `comment`

FOR EACH ROW BEGIN

UPDATE `ishow`.`share` SET comment\_number=comment\_number-1

WHERE old.share\_id=`ishow`.`share`.`share\_id`;

END;

$$

DELIMITER ;

补充：

ALTER TABLE `user` ADD UNIQUE(`mailbox`);