

TEAM 26

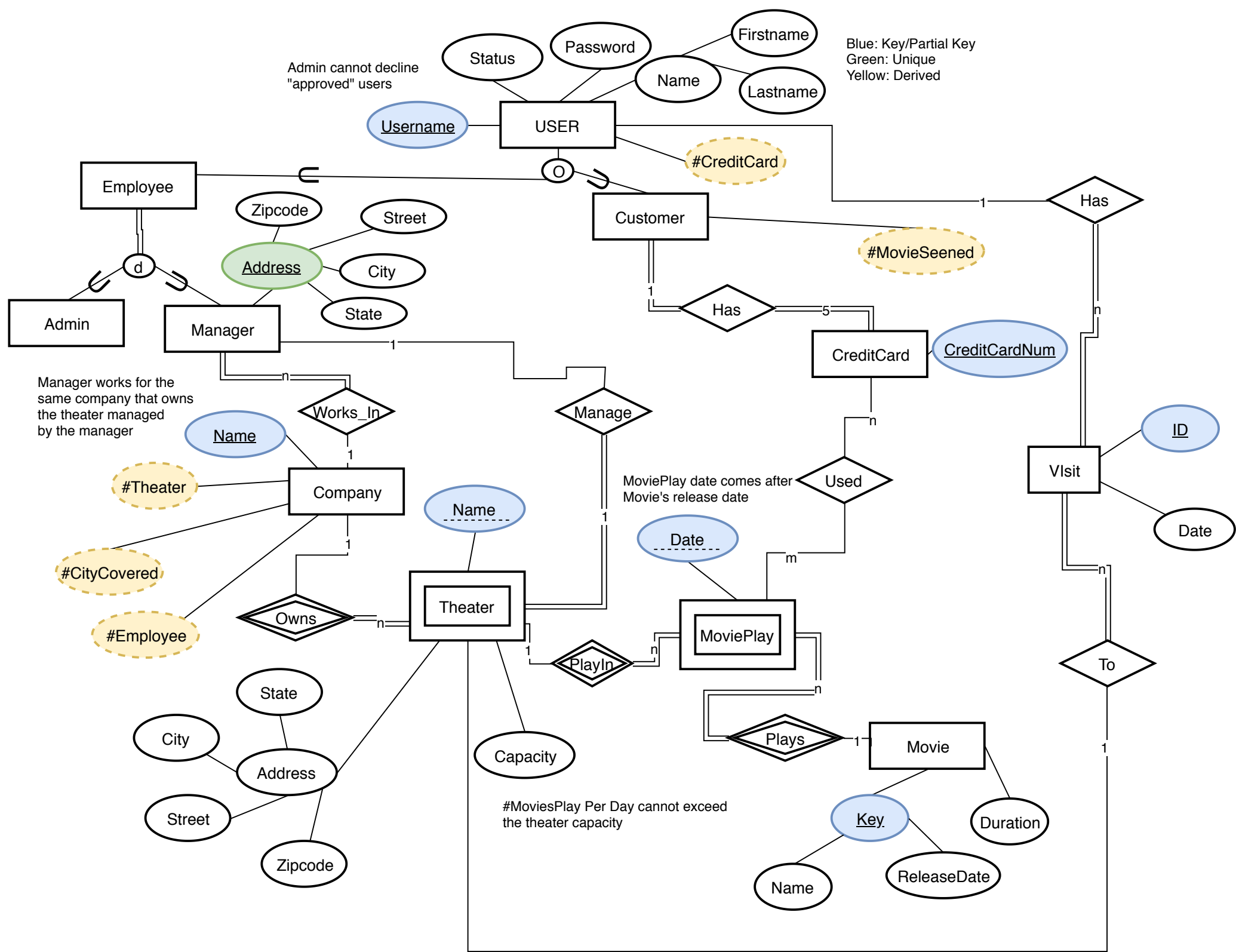
Phase [2]

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User=(username,status,password,firstname,lastname)

Customer=(username[fk1])

fk1:username -> User.username

Employee=(username[fk2])

fk2:username -> User.username

Admin=(username[fk3])

fk3:Username -> Employee.username

Manager=(Username[fk4],zipcode,street,city,state,work_in[fk11])

fk4:username -> Employee.username

fk11:work_in -> Company.compname, work_in is non-null

Company=(compname)

CreditCard=(creditcardnum, ownedby[fk12])

fk12: ownedby ->User.username ownedby is non-null

Visit=(id,date,visitedby[fk9],visitto_compname,visitto_theaname[fk10])

fk9:vistedby -> User.username vistedby is non-null

fk10:visitto_compname,visitto_theaname -> Theater.compname, Theater.theaname,
visitto_compname is non-null, visitto_theaname is non-null

Movie=(moviename,releasedate,duration)

Theater=(compname[fk5],theaname,zipcode,street,city,state,capacity,manageby[fk8])

fk5:compname -> Company.compname

fk8: manageby -> Manager.username, manageby is non-null

MoviePlay=(moviename,releasedate[fk6],date,compname,theaname[fk7])

fk6:moviename,releasedate ->Movie.moviename,Movie.releasedate

fk7:compname,theaname -> Theatre.compname,Theatre.theaname

Orderhistory=(creditcardnum[fk13],moviename,releasedate,date,compname,theaname[fk14])

fk13: creditcardnum -> CreditCard.creditcardnum

fk14:moviename,releasedate,date,compname,theaname

->Movieplay.moviename,Movieplay.releasedate,Movieplay.date,Movieplay.compname,Movieplay
.theaname

```

1 CREATE DATABASE IF NOT EXISTS `Atlanta_Movie` /*!40100 DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci */ /*!80016 DEFAULT ENCRYPTION='N' */;
2 USE `Atlanta_Movie`;
3 -- MySQL dump 10.13 Distrib 8.0.17, for macos10.14 (x86_64)
4 --
5 -- Host: localhost Database: Atlanta_Movie
6 --
7 -- Server version 8.0.17
8
9 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
10 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
11 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
12 /*!50503 SET NAMES utf8 */;
13 /*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
14 /*!40103 SET TIME_ZONE='+00:00' */;
15 /*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
16 /*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
17 /*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
18 /*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
19
20 --
21 -- Table structure for table `admin`
22 --
23
24 DROP TABLE IF EXISTS `admin`;
25 /*!40101 SET @saved_cs_client = @@character_set_client */;
26 /*!50503 SET character_set_client = utf8mb4 */;
27 CREATE TABLE `admin` (
28   `username` varchar(45) NOT NULL COMMENT 'Admin cannot decline "approved" users',
29   PRIMARY KEY (`username`),
30   CONSTRAINT `admin_employee(fk3)` FOREIGN KEY (`username`) REFERENCES `employee` (`username`) ON DELETE CASCADE ON UPDATE CASCADE
31 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
32 /*!40101 SET character_set_client = @saved_cs_client */;
33
34 --
35 -- Dumping data for table `admin`
36 --
37
38 LOCK TABLES `admin` WRITE;
39 /*!40000 ALTER TABLE `admin` DISABLE KEYS */;
40 /*!40000 ALTER TABLE `admin` ENABLE KEYS */;
41 UNLOCK TABLES;
42
43 --
44 -- Table structure for table `company`
45 --
46
47 DROP TABLE IF EXISTS `company`;
48 /*!40101 SET @saved_cs_client = @@character_set_client */;
49 /*!50503 SET character_set_client = utf8mb4 */;
50 CREATE TABLE `company` (
51   `comname` varchar(45) NOT NULL,
52   PRIMARY KEY (`comname`)
53 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
54 /*!40101 SET character_set_client = @saved_cs_client */;
55
56 --
57 -- Dumping data for table `company`
58 --
59
60 LOCK TABLES `company` WRITE;
61 /*!40000 ALTER TABLE `company` DISABLE KEYS */;
62 /*!40000 ALTER TABLE `company` ENABLE KEYS */;
63 UNLOCK TABLES;
64
65 --
66 -- Table structure for table `creditcard`
67 --
68
69 DROP TABLE IF EXISTS `creditcard`;
70 /*!40101 SET @saved_cs_client = @@character_set_client */;
71 /*!50503 SET character_set_client = utf8mb4 */;
72 CREATE TABLE `creditcard` (
73   `creditcardnum` char(16) NOT NULL,
74   `ownedby` varchar(45) NOT NULL,
75   PRIMARY KEY (`creditcardnum`),
76   KEY `creditcar_user(fk12)_idx` (`ownedby`),
77   CONSTRAINT `creditcar_user(fk12)` FOREIGN KEY (`ownedby`) REFERENCES `user` (`username`) ON DELETE CASCADE ON UPDATE CASCADE
78 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
79 /*!40101 SET character_set_client = @saved_cs_client */;
80
81 --
82 -- Dumping data for table `creditcard`
83 --
84
85 LOCK TABLES `creditcard` WRITE;
86 /*!40000 ALTER TABLE `creditcard` DISABLE KEYS */;
87 /*!40000 ALTER TABLE `creditcard` ENABLE KEYS */;
88 UNLOCK TABLES;
89
90 --
91 -- Table structure for table `customer`
92 --
93
94 DROP TABLE IF EXISTS `customer`;
95 /*!40101 SET @saved_cs_client = @@character_set_client */;
96 /*!50503 SET character_set_client = utf8mb4 */;
97 CREATE TABLE `customer` (
98   `username` varchar(45) NOT NULL,
99   PRIMARY KEY (`username`),
100   CONSTRAINT `customer_user(fk1)` FOREIGN KEY (`username`) REFERENCES `user` (`username`) ON DELETE CASCADE ON UPDATE CASCADE
101 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
102 /*!40101 SET character_set_client = @saved_cs_client */;
103
104 --

```

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105 -- Dumping data for table `customer`
106 --
107
108 LOCK TABLES `customer` WRITE;
109 /*!40000 ALTER TABLE `customer` DISABLE KEYS */;
110 /*!40000 ALTER TABLE `customer` ENABLE KEYS */;
111 UNLOCK TABLES;
112
113 --
114 -- Table structure for table `employee`
115 --
116
117 DROP TABLE IF EXISTS `employee`;
118 /*!40101 SET @saved_cs_client = @@character_set_client */;
119 /*!50503 SET character_set_client = utf8mb4 */;
120 CREATE TABLE `employee` (
121   `username` varchar(45) NOT NULL,
122   PRIMARY KEY (`username`),
123   CONSTRAINT `employee_user(fk2)` FOREIGN KEY (`username`) REFERENCES `user` (`username`) ON DELETE CASCADE ON UPDATE CASCADE
124 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
125 /*!40101 SET character_set_client = @saved_cs_client */;
126
127 --
128 -- Dumping data for table `employee`
129 --
130
131 LOCK TABLES `employee` WRITE;
132 /*!40000 ALTER TABLE `employee` DISABLE KEYS */;
133 /*!40000 ALTER TABLE `employee` ENABLE KEYS */;
134 UNLOCK TABLES;
135
136 --
137 -- Table structure for table `manager`
138 --
139
140 DROP TABLE IF EXISTS `manager`;
141 /*!40101 SET @saved_cs_client = @@character_set_client */;
142 /*!50503 SET character_set_client = utf8mb4 */;
143 CREATE TABLE `manager` (
144   `username` varchar(45) NOT NULL,
145   `zipcode` char(5) NOT NULL,
146   `street` varchar(100) NOT NULL,
147   `city` varchar(45) NOT NULL,
148   `state` enum('AL','AK','AZ','AR','CA','CO','CT','DE','FL','GA','HI','ID','IL','IN','IA','KS','KY','LA','ME','MD','MA','MI','MN','MS','MO','NE','NV',
149   `work_in` varchar(45) NOT NULL COMMENT 'Manager works for the same company that owns the theater managed by the manage.',
150   PRIMARY KEY (`username`),
151   UNIQUE KEY `address` (`zipcode`,`street`,`city`,`state`),
152   KEY `manager_company(fk11)_idx` (`work_in`),
153   CONSTRAINT `manager_company(fk11)` FOREIGN KEY (`work_in`) REFERENCES `company` (`compname`) ON DELETE CASCADE ON UPDATE CASCADE,
154   CONSTRAINT `manager_employee(fk4)` FOREIGN KEY (`username`) REFERENCES `employee` (`username`) ON DELETE CASCADE ON UPDATE CASCADE
155 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
156 /*!40101 SET character_set_client = @saved_cs_client */;
157
158 --
159 -- Dumping data for table `manager`
160 --
161
162 LOCK TABLES `manager` WRITE;
163 /*!40000 ALTER TABLE `manager` DISABLE KEYS */;
164 /*!40000 ALTER TABLE `manager` ENABLE KEYS */;
165 UNLOCK TABLES;
166
167 --
168 -- Table structure for table `movie`
169 --
170
171 DROP TABLE IF EXISTS `movie`;
172 /*!40101 SET @saved_cs_client = @@character_set_client */;
173 /*!50503 SET character_set_client = utf8mb4 */;
174 CREATE TABLE `movie` (
175   `moviename` varchar(45) NOT NULL,
176   `releaseDate` datetime NOT NULL,
177   `duration` int(11) NOT NULL,
178   PRIMARY KEY (`moviename`,`releaseDate`)
179 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
180 /*!40101 SET character_set_client = @saved_cs_client */;
181
182 --
183 -- Dumping data for table `movie`
184 --
185
186 LOCK TABLES `movie` WRITE;
187 /*!40000 ALTER TABLE `movie` DISABLE KEYS */;
188 /*!40000 ALTER TABLE `movie` ENABLE KEYS */;
189 UNLOCK TABLES;
190
191 --
192 -- Table structure for table `movieplay`
193 --
194
195 DROP TABLE IF EXISTS `movieplay`;
196 /*!40101 SET @saved_cs_client = @@character_set_client */;
197 /*!50503 SET character_set_client = utf8mb4 */;
198 CREATE TABLE `movieplay` (
199   `moviename` varchar(45) NOT NULL,
200   `releasedate` datetime NOT NULL,
201   `date` datetime NOT NULL COMMENT 'MoviePlay date comes after Movie's release date',
202   `compname` varchar(45) NOT NULL,
203   `theatername` varchar(45) NOT NULL COMMENT 'MoviesPlay Per Day cannot exceed the theater capacity',
204   PRIMARY KEY (`moviename`,`releasedate`,`date`,`compname`,`theatername`),
205   KEY `movieplay_movie(fk6)_idx` (`moviename`,`releasedate`),
206   KEY `movieplay_theater(fk7)_idx` (`compname`,`theatername`),
207   CONSTRAINT `movieplay_movie(fk6)` FOREIGN KEY (`moviename`,`releasedate`) REFERENCES `movie` (`moviename`,`releaseDate`) ON DELETE CASCADE ON UPDA
208   CONSTRAINT `movieplay_theater(fk7)` FOREIGN KEY (`compname`,`theatername`) REFERENCES `theater` (`compname`,`theaname`) ON DELETE CASCADE ON UPDA
209 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

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```

210 /*!40101 SET character_set_client = @saved_cs_client */;
211
212 --
213 -- Dumping data for table `movieplay`
214 --
215
216 LOCK TABLES `movieplay` WRITE;
217 /*!40000 ALTER TABLE `movieplay` DISABLE KEYS */;
218 /*!40000 ALTER TABLE `movieplay` ENABLE KEYS */;
219 UNLOCK TABLES;
220
221 --
222 -- Table structure for table `orderhistory`
223 --
224
225 DROP TABLE IF EXISTS `orderhistory`;
226 /*!40101 SET @saved_cs_client = @@character_set_client */;
227 /*!50503 SET character_set_client = utf8mb4 */;
228 CREATE TABLE `orderhistory` (
229   `creditcardnum` char(16) NOT NULL,
230   `moviename` varchar(45) NOT NULL,
231   `releasedate` datetime NOT NULL,
232   `date` datetime NOT NULL,
233   `compname` varchar(45) NOT NULL,
234   `theaname` varchar(45) NOT NULL,
235   PRIMARY KEY (`creditcardnum`, `moviename`, `releasedate`, `date`, `compname`, `theaname`),
236   KEY `orderhistory_movieplay(fk14)_idx` (`moviename`, `releasedate`, `date`, `compname`, `theaname`),
237   CONSTRAINT `orderhistory_credicard(fk13)` FOREIGN KEY (`creditcardnum`) REFERENCES `creditcard` (`creditcardnum`) ON DELETE CASCADE ON UPDATE CASCADE,
238   CONSTRAINT `orderhistory_movieplay(fk14)` FOREIGN KEY (`moviename`, `releasedate`, `date`, `compname`, `theaname`) REFERENCES `movieplay` (`movienan
239 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
240 /*!40101 SET character_set_client = @saved_cs_client */;
241
242 --
243 -- Dumping data for table `orderhistory`
244 --
245
246 LOCK TABLES `orderhistory` WRITE;
247 /*!40000 ALTER TABLE `orderhistory` DISABLE KEYS */;
248 /*!40000 ALTER TABLE `orderhistory` ENABLE KEYS */;
249 UNLOCK TABLES;
250
251 --
252 -- Table structure for table `theater`
253 --
254
255 DROP TABLE IF EXISTS `theater`;
256 /*!40101 SET @saved_cs_client = @@character_set_client */;
257 /*!50503 SET character_set_client = utf8mb4 */;
258 CREATE TABLE `theater` (
259   `compname` varchar(45) NOT NULL,
260   `theaname` varchar(45) NOT NULL,
261   `zipcode` char(5) NOT NULL,
262   `street` varchar(100) NOT NULL,
263   `city` varchar(45) NOT NULL,
264   `state` enum('AL','AK','AZ','AR','CA','CO','CT','DE','FL','GA','HI','ID','IL','IN','IA','KS','KY','LA','ME','MD','MA','MI','MN','MS','MO','NE','NV',
265   `capacity` int(11) NOT NULL,
266   `manageby` varchar(45) NOT NULL,
267   PRIMARY KEY (`compname`, `theaname`),
268   KEY `theater_manager(fk8)_idx` (`manageby`),
269   CONSTRAINT `theater_company(fk5)` FOREIGN KEY (`compname`) REFERENCES `company` (`compname`) ON DELETE CASCADE ON UPDATE CASCADE,
270   CONSTRAINT `theater_manager(fk8)` FOREIGN KEY (`manageby`) REFERENCES `manager` (`username`) ON DELETE RESTRICT ON UPDATE CASCADE
271 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
272 /*!40101 SET character_set_client = @saved_cs_client */;
273
274 --
275 -- Dumping data for table `theater`
276 --
277
278 LOCK TABLES `theater` WRITE;
279 /*!40000 ALTER TABLE `theater` DISABLE KEYS */;
280 /*!40000 ALTER TABLE `theater` ENABLE KEYS */;
281 UNLOCK TABLES;
282
283 --
284 -- Table structure for table `user`
285 --
286
287 DROP TABLE IF EXISTS `user`;
288 /*!40101 SET @saved_cs_client = @@character_set_client */;
289 /*!50503 SET character_set_client = utf8mb4 */;
290 CREATE TABLE `user` (
291   `username` varchar(45) NOT NULL,
292   `status` enum('All','Pending','Declined','Approved') NOT NULL,
293   `password` varchar(200) NOT NULL,
294   `firstname` varchar(45) NOT NULL,
295   `lastname` varchar(45) NOT NULL,
296   PRIMARY KEY (`username`)
297 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
298 /*!40101 SET character_set_client = @saved_cs_client */;
299
300 --
301 -- Dumping data for table `user`
302 --
303
304 LOCK TABLES `user` WRITE;
305 /*!40000 ALTER TABLE `user` DISABLE KEYS */;
306 /*!40000 ALTER TABLE `user` ENABLE KEYS */;
307 UNLOCK TABLES;
308
309 --
310 -- Table structure for table `visit`
311 --
312
313 DROP TABLE IF EXISTS `visit`;
314 /*!40101 SET @saved_cs_client = @@character_set_client */;

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```

315 /*!50503 SET character_set_client = utf8mb4 */;
316 CREATE TABLE `visit` (
317   `id` int(11) NOT NULL,
318   `date` datetime NOT NULL,
319   `visitedby` varchar(45) NOT NULL,
320   `visitto_compname` varchar(45) NOT NULL,
321   `visitto_thename` varchar(45) NOT NULL,
322   PRIMARY KEY (`id`),
323   KEY `visit_user(fk9)_idx` (`visitedby`),
324   KEY `visitto_theater(fk10)_idx` (`visitto_compname`,`visitto_thename`),
325   CONSTRAINT `visit_user(fk9)` FOREIGN KEY (`visitedby`) REFERENCES `user` (`username`) ON DELETE RESTRICT ON UPDATE RESTRICT,
326   CONSTRAINT `visitto_theater(fk10)` FOREIGN KEY (`visitto_compname`,`visitto_thename`) REFERENCES `theater` (`compname`,`thename`) ON DELETE RESTRICT,
327 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
328 /*!40101 SET character_set_client = @saved_cs_client */;
329
330 --
331 -- Dumping data for table `visit`
332 --
333
334 LOCK TABLES `visit` WRITE;
335 /*!40000 ALTER TABLE `visit` DISABLE KEYS */;
336 /*!40000 ALTER TABLE `visit` ENABLE KEYS */;
337 UNLOCK TABLES;
338
339 --
340 -- Dumping events for database 'Atlanta_Movie'
341 --
342
343 --
344 -- Dumping routines for database 'Atlanta_Movie'
345 --
346 /*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
347
348 /*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
349 /*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
350 /*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
351 /*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
352 /*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
353 /*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
354 /*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;
355
356 -- Dump completed on 2019-10-29 15:14:15

```