relationales Schema

Grafisches Model

player
- ◇ club VARCHAR(255)
- ◇ nickname VARCHAR(255)
- 🔑 id BIGINT
- Indexes

match_matchevent
- ◆ match_id BIGINT
- ◆ events_id BIGINT
- Indexes

stadium
- 🔑 stadiumid BIGINT
- ◇ capacity INT(11)
- ◇ city VARCHAR(255)
- ◇ name VARCHAR(255)
- ◇ country_id BIGINT
- Indexes

team_player
- ◆ team_id BIGINT
- ◆ players_id BIGINT
- Indexes

matchevent
- ◇ dtype VARCHAR(31)
- 🔑 id BIGINT
- ◇ additionalminute INT(11)
- ◇ minute INT(11)
- ◇ color VARCHAR(255)
- ◆ match_id BIGINT
- ◆ involvedplayer_id BIGINT
- ◆ team_id BIGINT
- ◆ scorringteam_id BIGINT
- ◆ newplayer_id BIGINT
- Indexes

tournament_stadium
- ◆ tournament_year INT(11)
- ◆ stadiums_stadiumid BIGINT
- Indexes

person_team
- ◆ person_id BIGINT
- ◆ teams_id BIGINT
- Indexes

country
- 🔑 id BIGINT
- ◇ name VARCHAR(255)
- Indexes

person
- 🔑 id BIGINT
- ◇ birthday TIMESTAMP
- ◇ firstname VARCHAR(255)
- ◇ height INT(11)
- ◇ lastname VARCHAR(255)
- ◇ weight INT(11)
- Indexes

tournament
- 🔑 year INT(11)
- ◇ name VARCHAR(255)
- ◇ finalmatch_id BIGINT
- ◇ groupstage_id BIGINT
- ◇ matchforthirdplace_id BIGINT
- Indexes

tournament_country
- ◆ tournament_year INT(11)
- ◆ hostcountries_id BIGINT
- Indexes

team
- 🔑 id BIGINT
- ◇ name VARCHAR(255)
- ◇ country_id BIGINT
- Indexes

advisor
- ◇ task VARCHAR(255)
- 🔑 id BIGINT
- Indexes

team_advisor
- ◆ team_id BIGINT
- ◆ advisors_id BIGINT
- Indexes

groupstage
- 🔑 id BIGINT
- Indexes

groupstage_tournamentgroup
- ◆ groupstage_id BIGINT
- ◆ groups_groupid BIGINT
- Indexes

tournamentgroup
- 🔑 groupid BIGINT
- ◇ name VARCHAR(255)
- ◇ tournament_year INT(11)
- Indexes

role
- 🔑 name VARCHAR(255)
- ◆ inheritedrole_name VARCHAR(255)
- ◆ tournament_year INT(11)
- Indexes

tournamentgroup_team
- ◆ tournamentgroup_groupid BIGINT
- ◆ teams_id BIGINT
- Indexes

actor_role
- ◆ actor_email VARCHAR(255)
- ◆ roles_name VARCHAR(255)
- Indexes

actor_permission
- ◆ actor_email VARCHAR(255)
- ◆ permissions_id BIGINT
- Indexes

role_permission
- ◆ role_name VARCHAR(255)
- ◆ permissions_id BIGINT
- Indexes

match
- ◇ dtype VARCHAR(31)
- 🔑 id BIGINT
- ◇ date VARCHAR(45)
- ◇ name VARCHAR(45)
- ◇ played VARCHAR(45)
- ◆ stadium_stadiumid BIGINT
- ◆ group_groupid BIGINT
- ◆ tournament_year INT(11)
- ◆ guestteam_id BIGINT
- ◆ hostteam_id BIGINT
- Indexes

actor
- 🔑 email VARCHAR(255)
- ◆ password_hash VARCHAR(255)
- Indexes

permission
- 🔑 id BIGINT
- ◇ typeofaccess INT(11)
- ◆ resource_id BIGINT
- Indexes

tournamentgroup_match
- ◆ tournamentgroup_groupid BIGINT
- ◆ matches_id BIGINT
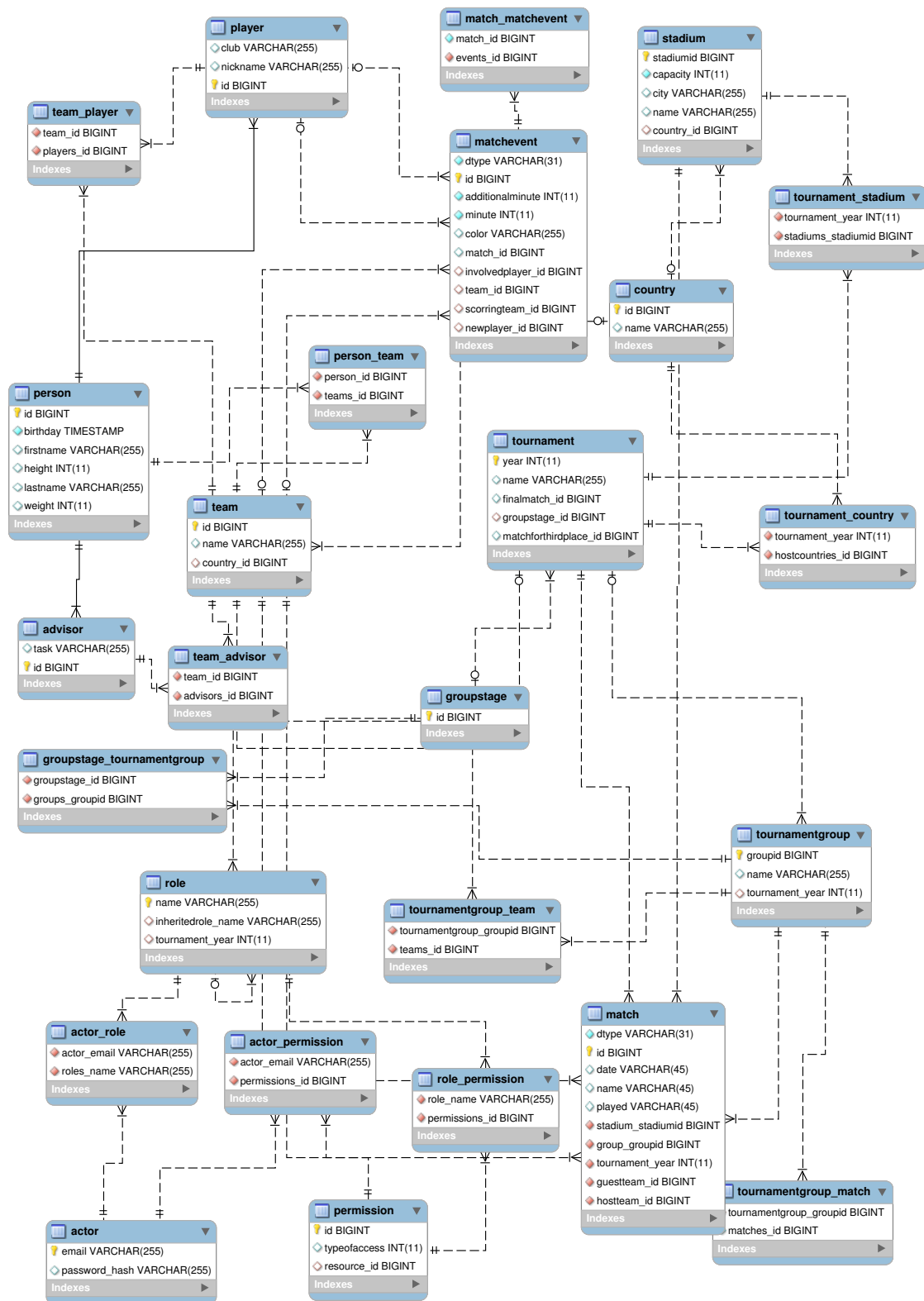- Indexes

1

SQL

```
 1  --
 2  -- PostgreSQL database dump
 3  --
 4
 5  SET statement_timeout = 0;
 6  SET client_encoding = 'UTF8';
 7  SET standard_conforming_strings = off;
 8  SET check_function_bodies = false;
 9  SET client_min_messages = warning;
10  SET escape_string_warning = off;
11
12  SET search_path = public, pg_catalog;
13
14  ALTER TABLE ONLY public.role_permission DROP CONSTRAINT fkf8a569386ac4edcc;
15  ALTER TABLE ONLY public.role_permission DROP CONSTRAINT fkf8a56938401023a7;
16  ALTER TABLE ONLY public.stadium DROP CONSTRAINT fkf21d53ddfcf4fc9d;
17  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5df1dd7b0;
18  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5db6578d7;
19  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5c7168977;
20  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f56a9e6294;
21  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f560766fd;
22  ALTER TABLE ONLY public.match_match DROP CONSTRAINT fkd7c3a68b884bbd1;
23  ALTER TABLE ONLY public.match_match DROP CONSTRAINT fkd7c3a68b1fd58223;
24  ALTER TABLE ONLY public.team_player DROP CONSTRAINT fkd4e5f703db6578d7;
25  ALTER TABLE ONLY public.team_player DROP CONSTRAINT fkd4e5f70318f27aa6;
26  ALTER TABLE ONLY public.actor_permission DROP CONSTRAINT fkcf243699d36f2a65;
27  ALTER TABLE ONLY public.actor_permission DROP CONSTRAINT fkcf243699401023a7;
28  ALTER TABLE ONLY public.match_matchevent DROP CONSTRAINT fkbfc93acfdcc26853;
29  ALTER TABLE ONLY public.match_matchevent DROP CONSTRAINT fkbfc93acf60766fd;
30  ALTER TABLE ONLY public.tournamentgroup_team DROP CONSTRAINT fkb7678b26d57db48a;
31  ALTER TABLE ONLY public.tournamentgroup_team DROP CONSTRAINT fkb7678b26cdc8c6de;
32  ALTER TABLE ONLY public.tournament_stadium DROP CONSTRAINT fkabf317a7db034f8f;
33  ALTER TABLE ONLY public.tournament_stadium DROP CONSTRAINT fkabf317a774b12939;
34  ALTER TABLE ONLY public.team_advisor DROP CONSTRAINT fka1d587deea5528a;
35  ALTER TABLE ONLY public.team_advisor DROP CONSTRAINT fka1d587dedb6578d7;
36  ALTER TABLE ONLY public.player DROP CONSTRAINT fk8ea387019b9d8d6d;
37  ALTER TABLE ONLY public.tournamentgroup DROP CONSTRAINT fk6372df674b12939;
38  ALTER TABLE ONLY public.groupstage_tournamentgroup DROP CONSTRAINT fk62cd5967d361fb7;
39  ALTER TABLE ONLY public.groupstage_tournamentgroup DROP CONSTRAINT fk62cd596526daa28;
40  ALTER TABLE ONLY public.permission DROP CONSTRAINT fk57f7a1ef94470e9c;
41  ALTER TABLE ONLY public.tournament_country DROP CONSTRAINT fk5625b3409a553667;
42  ALTER TABLE ONLY public.tournament_country DROP CONSTRAINT fk5625b34074b12939;
43  ALTER TABLE ONLY public.person_team DROP CONSTRAINT fk49fd4907ce781a97;
44  ALTER TABLE ONLY public.person_team DROP CONSTRAINT fk49fd4907cdc8c6de;
45  ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5f0ec562f;
46  ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5e2487ff;
47  ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5d4eaebd3;
48  ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a574b12939;
49  ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a515c9d2b6;
50  ALTER TABLE ONLY public.tournament DROP CONSTRAINT fk3b743609fcd043a4;
51  ALTER TABLE ONLY public.tournament DROP CONSTRAINT fk3b7436097d361fb7;
52  ALTER TABLE ONLY public.tournament DROP CONSTRAINT fk3b74360966de6d99;
53  ALTER TABLE ONLY public.tournamentgroup_match DROP CONSTRAINT fk3525aa1cd57db48a;
54  ALTER TABLE ONLY public.tournamentgroup_match DROP CONSTRAINT fk3525aa1c2801c0aa;
55  ALTER TABLE ONLY public.team DROP CONSTRAINT fk27b67dfcf4fc9d;
56  ALTER TABLE ONLY public.role DROP CONSTRAINT fk26f496da563832;
57  ALTER TABLE ONLY public.role DROP CONSTRAINT fk26f49674b12939;
58  ALTER TABLE ONLY public.actor_role DROP CONSTRAINT fk26e2d0c0e4a0b3e5;
59  ALTER TABLE ONLY public.actor_role DROP CONSTRAINT fk26e2d0c0d36f2a65;
60  ALTER TABLE ONLY public.advisor DROP CONSTRAINT fk1fc9f7a09b9d8d6d;
61  ALTER TABLE ONLY public.tournamentgroup_team DROP CONSTRAINT
        tournamentgroup_team_teams_id_key;
62  ALTER TABLE ONLY public.tournamentgroup DROP CONSTRAINT tournamentgroup_pkey;
63  ALTER TABLE ONLY public.tournamentgroup_match DROP CONSTRAINT
        tournamentgroup_match_matches_id_key;
64  ALTER TABLE ONLY public.tournament DROP CONSTRAINT tournament_pkey;
```

```sql
65  ALTER TABLE ONLY public.team DROP CONSTRAINT team_pkey;
66  ALTER TABLE ONLY public.team_advisor DROP CONSTRAINT team_advisor_advisors_id_key;
67  ALTER TABLE ONLY public.stadium DROP CONSTRAINT stadium_pkey;
68  ALTER TABLE ONLY public.role DROP CONSTRAINT role_pkey;
69  ALTER TABLE ONLY public.role_permission DROP CONSTRAINT
        role_permission_permissions_id_key;
70  ALTER TABLE ONLY public.resource DROP CONSTRAINT resource_pkey;
71  ALTER TABLE ONLY public.player DROP CONSTRAINT player_pkey;
72  ALTER TABLE ONLY public.person DROP CONSTRAINT person_pkey;
73  ALTER TABLE ONLY public.permission DROP CONSTRAINT permission_pkey;
74  ALTER TABLE ONLY public.matchevent DROP CONSTRAINT matchevent_pkey;
75  ALTER TABLE ONLY public.match DROP CONSTRAINT match_pkey;
76  ALTER TABLE ONLY public.match_matchevent DROP CONSTRAINT match_matchevent_events_id_key;
77  ALTER TABLE ONLY public.groupstage_tournamentgroup DROP CONSTRAINT
        groupstage_tournamentgroup_groups_groupid_key;
78  ALTER TABLE ONLY public.groupstage DROP CONSTRAINT groupstage_pkey;
79  ALTER TABLE ONLY public.country DROP CONSTRAINT country_pkey;
80  ALTER TABLE ONLY public.advisor DROP CONSTRAINT advisor_pkey;
81  ALTER TABLE ONLY public.actor_role DROP CONSTRAINT actor_role_roles_name_key;
82  ALTER TABLE ONLY public.actor DROP CONSTRAINT actor_pkey;
83  ALTER TABLE ONLY public.actor_permission DROP CONSTRAINT
        actor_permission_permissions_id_key;
84  DROP TABLE public.tournamentgroup_team;
85  DROP TABLE public.tournamentgroup_match;
86  DROP TABLE public.tournamentgroup;
87  DROP TABLE public.tournament_stadium;
88  DROP TABLE public.tournament_country;
89  DROP TABLE public.tournament;
90  DROP TABLE public.team_player;
91  DROP TABLE public.team_advisor;
92  DROP TABLE public.role_permission;
93  DROP TABLE public.role;
94  DROP TABLE public.resource;
95  DROP TABLE public.person_team;
96  DROP TABLE public.person;
97  DROP TABLE public.permission;
98  DROP TABLE public.matchevent;
99  DROP TABLE public.match_matchevent;
100 DROP TABLE public.match_match;
101 DROP TABLE public.match;
102 DROP SEQUENCE public.hibernate_sequence;
103 DROP TABLE public.groupstage_tournamentgroup;
104 DROP TABLE public.advisor;
105 DROP TABLE public.actor_role;
106 DROP TABLE public.actor_permission;
107 DROP TABLE public.actor;
108 DROP FUNCTION public.getstadiumsforcountry(bigint);
109 DROP TABLE public.stadium;
110 DROP FUNCTION public.getplayer();
111 DROP TABLE public.player;
112 DROP FUNCTION public.getnextsequence();
113 DROP FUNCTION public.getcountry();
114 DROP TABLE public.country;
115 DROP FUNCTION public.generateteam();
116 DROP TABLE public.team;
117 DROP FUNCTION public.generatematch(bigint, bigint, bigint);
118 DROP FUNCTION public.generateknockouttree(integer, bigint);
119 DROP FUNCTION public.generategroupstage();
120 DROP TABLE public.groupstage;
121 DROP FUNCTION public.generategroupmatches(bigint);
122 DROP FUNCTION public.createchampionship(integer, text);
123 DROP FUNCTION public.concat(character varying, bigint);
124 DROP FUNCTION public.concat(character varying, integer);
125 DROP PROCEDURAL LANGUAGE plpgsql;
126 DROP SCHEMA public;
127 --
128 -- Name: public; Type: SCHEMA; Schema: -; Owner: postgres
129 --
```

3

```sql
130
131 CREATE SCHEMA public;
132
133
134 ALTER SCHEMA public OWNER TO postgres;
135
136 --
137 -- Name: plpgsql; Type: PROCEDURAL LANGUAGE; Schema: -; Owner: postgres
138 --
139
140 CREATE PROCEDURAL LANGUAGE plpgsql;
141
142
143 ALTER PROCEDURAL LANGUAGE plpgsql OWNER TO postgres;
144
145 SET search_path = public, pg_catalog;
146
147 --
148 -- Name: concat(character varying, integer); Type: FUNCTION; Schema: public; Owner:
        postgres
149 --
150
151 CREATE FUNCTION concat(character varying, integer) RETURNS character varying
152     LANGUAGE plpgsql
153     AS $_$
154 BEGIN
155     return $1 || ' ' || chr(49 + ($2%119));
156 END
157 $_$;
158
159
160 ALTER FUNCTION public.concat(character varying, integer) OWNER TO postgres;
161
162 --
163 -- Name: concat(character varying, bigint); Type: FUNCTION; Schema: public; Owner:
        postgres
164 --
165
166 CREATE FUNCTION concat(character varying, bigint) RETURNS character varying
167     LANGUAGE plpgsql
168     AS $_$
169 BEGIN
170     return $1 || ' ' || chr(CAST(49 + ($2%119) AS INT));
171 END
172 $_$;
173
174
175 ALTER FUNCTION public.concat(character varying, bigint) OWNER TO postgres;
176
177 --
178 -- Name: createchampionship(integer, text); Type: FUNCTION; Schema: public; Owner:
        postgres
179 --
180
181 CREATE FUNCTION createchampionship(integer, text) RETURNS void
182     LANGUAGE plpgsql
183     AS $_$
184 DECLARE
185     yearParam ALIAS FOR $1;
186     nameParam ALIAS FOR $2;
187     host country%ROWTYPE;
188     currentStadium stadium%ROWTYPE;
189     groupStage groupstage%ROWTYPE;
190     finalId bigint;
191 BEGIN
192     RAISE NOTICE 'Creating a new tournament';
193
194   --Generiert die K.O.-Phase
```

4

```
195        finalId := getNextSequence();
196        INSERT INTO match(id, name, played, dtype)
197        VALUES (finalId, 'Finale', false, 'KnockoutMatch');
198        PERFORM generateKnockoutTree(1, finalId);
199
200        --Generiert die Gruppenphase
201        groupStage := generateGroupStage();
202
203        --Speichert das Turnier ab
204        INSERT INTO tournament (year, name, finalmatch_id, groupstage_id)
205        VALUES (yearParam, nameParam, finalId, groupStage.id);
206
207        -- Set a random host country
208        host := getCountry();
209        INSERT INTO "tournament_country" VALUES (yearParam, host.id);
210
211        -- Set 8 random stadiums
212        FOR currentStadium IN SELECT * FROM getStadiumsForCountry(host.id) LOOP
213            INSERT INTO tournament_stadium VALUES(yearParam,currentStadium.stadiumid);
214        END LOOP;
215    RETURN;
216 END;
217 $_$;
218
219
220 ALTER FUNCTION public.createchampionship(integer, text) OWNER TO postgres;
221
222 --
223 -- Name: generategroupmatches(bigint); Type: FUNCTION; Schema: public; Owner: postgres
224 --
225
226 CREATE FUNCTION generategroupmatches(bigint) RETURNS void
227        LANGUAGE plpgsql
228        AS $_$
229 DECLARE
230        groupId ALIAS FOR $1;
231        numberOfTeams int;
232        currentTeam team%ROWTYPE;
233        teams team[];
234        i int;
235        j int;
236 BEGIN
237
238        SELECT COUNT(*) INTO numberOfTeams
239        FROM tournamentgroup_team
240        WHERE tournamentgroup_groupid = groupId;
241
242    -- Test ob genuegend Teams in der Gruppe sind
243        if(numberOfTeams < 4)   THEN
244            RAISE EXCEPTION 'at least 4 teams have to be in a group';
245            RETURN;
246        END IF;
247
248
249        -- Erstellt ein Array aus dem Teams der Gruppe
250        teams := '{}';
251        FOR currentTeam IN
252            SELECT t.*
253            FROM team t
254            JOIN tournamentgroup_team g ON (g.teams_id = t.id)
255            WHERE tournamentgroup_groupid = groupId
256        LOOP
257            teams := array_append(teams, currentTeam);
258        END LOOP;
259
260    -- Laesst jede Mannschaft einmal gegen alle anderen Manschaften antreten
261        FOR i IN 1..4 LOOP
262            FOR j IN (i+1)..4 LOOP
```

```
263              PERFORM generateMatch(teams[i].id, teams[j].id, groupId);
264          END LOOP;
265      END LOOP;
266
267      return;
268
269 END
270 $_$;
271
272
273 ALTER FUNCTION public.generategroupmatches(bigint) OWNER TO postgres;
274
275 SET default_tablespace = '';
276
277 SET default_with_oids = false;
278
279 --
280 -- Name: groupstage; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
281 --
282
283 CREATE TABLE groupstage (
284      id bigint NOT NULL
285 );
286
287
288 ALTER TABLE public.groupstage OWNER TO postgres;
289
290 --
291 -- Name: generategroupstage(); Type: FUNCTION; Schema: public; Owner: postgres
292 --
293
294 CREATE FUNCTION generategroupstage() RETURNS groupstage
295      LANGUAGE plpgsql
296      AS $$
297 DECLARE
298      stageId int;
299      stage groupstage;
300      currentTeam team;
301      currentGroup tournamentgroup;
302      currentGroupId bigint;
303      i int;
304      j int;
305 BEGIN
306      stageId := getNextSequence();
307
308      INSERT INTO groupstage VALUES (stageId);
309
310      -- Fuer alle 8 Gruppen
311      FOR i IN 1..8 LOOP
312          currentGroupId := getNextSequence();
313
314          INSERT INTO tournamentgroup (groupid, name)
315          VALUES (currentGroupId, concat('Gruppe', 10));
316
317          -- generiere 4 Mannschaften
318          FOR j IN 1..4 LOOP
319              currentTeam := generateTeam();
320
321              INSERT INTO tournamentgroup_team (tournamentgroup_groupid, teams_id)
322              VALUES (currentGroupId, currentTeam.id);
323          END LOOP;
324
325          INSERT INTO groupstage_tournamentgroup VALUES (stageId, currentGroupId);
326
327      -- und trage die Gruppenspiele ein
328          PERFORM generateGroupMatches(currentGroupId);
329
330      END LOOP;
```

```
331
332        SELECT * INTO stage FROM groupstage WHERE id = stageId;
333
334        return stage;
335
336 END
337 $$;
338
339
340 ALTER FUNCTION public.generategroupstage() OWNER TO postgres;
341
342 --
343 -- Name: generateknockouttree(integer, bigint); Type: FUNCTION; Schema: public; Owner:
        postgres
344 --
345
346 CREATE FUNCTION generateknockouttree(integer, bigint) RETURNS void
347        LANGUAGE plpgsql
348        AS $_$
349 DECLARE
350        height ALIAS FOR $1;
351        nodeId ALIAS FOR $2;
352        matchId1 bigint;
353        matchId2 bigint;
354        newHeight int;
355        knockoutMatchType varchar;
356 BEGIN
357    --Rekursionsanker
358        IF(height > 3) THEN
359            RETURN;
360        ELSIF (height = 1) THEN
361            knockoutMatchType := 'Halbfinale';
362        ELSIF (height = 2) THEN
363            knockoutMatchType := 'Viertelfinale';
364        ELSIF (height = 3) THEN
365            knockoutMatchType := 'Achtelfinale';
366        END IF;
367
368
369    -- Erstellen zweier Kindspiele
370        matchId1 := getNextSequence();
371        INSERT INTO match(id, name, played, dtype)
372        VALUES (matchId1, knockoutMatchType, false, 'KnockoutMatch');
373
374        matchId2 := getNextSequence();
375        INSERT INTO match(id, name, played, dtype)
376        VALUES (matchId2, knockoutMatchType, false, 'KnockoutMatch');
377
378    -- Hinzufuegen zum Baum
379        INSERT INTO match_match(match_id, childs_id) VALUES (nodeId, matchId1);
380        INSERT INTO match_match(match_id, childs_id) VALUES (nodeId, matchId2);
381
382    -- rekursiver Aufruf
383        newHeight := height + 1;
384        PERFORM generateKnockoutTree(newHeight, matchId1);
385        PERFORM generateKnockoutTree(newHeight, matchId2);
386
387        RETURN;
388 END;
389 $_$;
390
391
392 ALTER FUNCTION public.generateknockouttree(integer, bigint) OWNER TO postgres;
393
394 --
395 -- Name: generatematch(bigint, bigint, bigint); Type: FUNCTION; Schema: public; Owner:
        postgres
396 --
```

```
397
398 CREATE FUNCTION generatematch(bigint, bigint, bigint) RETURNS void
399     LANGUAGE plpgsql
400     AS $_$
401 DECLARE
402     hostTeam ALIAS FOR $1;
403     guestTeam ALIAS FOR $2;
404     groupId ALIAS FOR $3;
405     matchId bigint;
406     i int;
407 BEGIN
408     matchId := getNextSequence();
409
410     INSERT INTO match(id, hostteam_id, guestteam_id, played, dtype, group_groupid)
411     VALUES (matchId, hostTeam, guestTeam, false,'GroupMatch', groupId);
412
413     INSERT INTO tournamentgroup_match
414     VALUES (groupId, matchId);
415 END
416 $_$;
417
418
419 ALTER FUNCTION public.generatematch(bigint, bigint, bigint) OWNER TO postgres;
420
421 --
422 -- Name: team; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
423 --
424
425 CREATE TABLE team (
426     id bigint NOT NULL,
427     name character varying(255),
428     country_id bigint
429 );
430
431
432 ALTER TABLE public.team OWNER TO postgres;
433
434 --
435 -- Name: generateteam(); Type: FUNCTION; Schema: public; Owner: postgres
436 --
437
438 CREATE FUNCTION generateteam() RETURNS team
439     LANGUAGE plpgsql
440     AS $$
441 DECLARE
442     i int;
443     j int;
444     sequenceValue int;
445     playerId int;
446     selectedTeam Team%ROWTYPE;
447 BEGIN
448     SELECT id INTO i FROM getCountry();
449
450     sequenceValue := getNextSequence();
451
452     INSERT INTO team VALUES (sequenceValue, concat('Musterteam ', sequenceValue), i);
453     SELECT * INTO selectedTeam FROM team WHERE id = sequenceValue;
454
455     FOR j IN 1..23 LOOP
456         SELECT id INTO playerId FROM getPlayer();
457         INSERT INTO team_player VALUES (selectedTeam.id, playerId);
458         INSERT INTO person_team VALUES (playerId, selectedTeam.id);
459     END LOOP;
460
461     return selectedTeam;
462 END
463 $$;
464
```

```
465
466 ALTER FUNCTION public.generateteam() OWNER TO postgres;
467
468 --
469 -- Name: country; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
470 --
471
472 CREATE TABLE country (
473     id bigint NOT NULL,
474     name character varying(255)
475 );
476
477
478 ALTER TABLE public.country OWNER TO postgres;
479
480 --
481 -- Name: getcountry(); Type: FUNCTION; Schema: public; Owner: postgres
482 --
483
484 CREATE FUNCTION getcountry() RETURNS SETOF country
485     LANGUAGE plpgsql
486     AS $$
487 DECLARE
488     selectedRow Country%ROWTYPE;
489     n int := 0;
490 BEGIN
491     SELECT COUNT(*) INTO n FROM Country;
492     IF(n < 1) THEN
493         INSERT INTO Country VALUES (getNextSequence(), 'DummyLand');
494     END IF;
495
496     SELECT * INTO selectedRow FROM Country ORDER BY RANDOM() LIMIT 1;
497     RETURN NEXT selectedRow;
498 END
499 $$;
500
501
502 ALTER FUNCTION public.getcountry() OWNER TO postgres;
503
504 --
505 -- Name: getnextsequence(); Type: FUNCTION; Schema: public; Owner: postgres
506 --
507
508 CREATE FUNCTION getnextsequence() RETURNS bigint
509     LANGUAGE sql
510     AS $$
511     SELECT nextval('hibernate_sequence') FROM hibernate_sequence;
512 $$;
513
514
515 ALTER FUNCTION public.getnextsequence() OWNER TO postgres;
516
517 --
518 -- Name: player; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
519 --
520
521 CREATE TABLE player (
522     club character varying(255),
523     nickname character varying(255),
524     id bigint NOT NULL
525 );
526
527
528 ALTER TABLE public.player OWNER TO postgres;
529
530 --
531 -- Name: getplayer(); Type: FUNCTION; Schema: public; Owner: postgres
532 --
```

```
533
534  CREATE FUNCTION getplayer() RETURNS player
535      LANGUAGE plpgsql
536      AS $$
537  DECLARE
538      createdPlayer Player%ROWTYPE;
539      sequenceValue bigint;
540  BEGIN
541      sequenceValue := getNextSequence();
542
543      INSERT INTO person (id, firstname, lastname)
544      VALUES (sequenceValue, concat('Vorname', sequenceValue), concat('Nachname',
             sequenceValue));
545
546      INSERT INTO player (id, nickname, club)
547      VALUES (sequenceValue, concat('Nick', sequenceValue), 'FC Seehaeusl');
548
549      SELECT * INTO createdPlayer FROM player WHERE id = sequenceValue;
550
551      return createdPlayer;
552  END
553  $$;
554
555
556  ALTER FUNCTION public.getplayer() OWNER TO postgres;
557
558  --
559  -- Name: stadium; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
560  --
561
562  CREATE TABLE stadium (
563      stadiumid bigint NOT NULL,
564      capacity integer NOT NULL,
565      city character varying(255),
566      name character varying(255),
567      country_id bigint
568  );
569
570
571  ALTER TABLE public.stadium OWNER TO postgres;
572
573  --
574  -- Name: getstadiumsforcountry(bigint); Type: FUNCTION; Schema: public; Owner: postgres
575  --
576
577  CREATE FUNCTION getstadiumsforcountry(bigint) RETURNS SETOF stadium
578      LANGUAGE plpgsql
579      AS $_$
580  DECLARE
581      countryId ALIAS FOR $1;
582      selectedRow Stadium%ROWTYPE;
583      n int := 0;
584      i int;
585  BEGIN
586      SELECT COUNT(*) INTO n FROM Stadium WHERE country_id = countryId;
587      IF(n < 8) THEN
588          FOR i IN 1..(8-n) LOOP
589              INSERT INTO Stadium VALUES (getNextSequence(), 500, concat('Dummystadt',i) ,
                     concat('Dummystadion',i), countryId);
590          END LOOP;
591      END IF;
592
593      FOR selectedRow IN SELECT * FROM stadium ORDER BY RANDOM() LIMIT 8 LOOP
594          return next selectedRow;
595      END LOOP;
596
597      return;
598  END
```

```sql
599  $_$;
600
601
602  ALTER FUNCTION public.getstadiumsforcountry(bigint) OWNER TO postgres;
603
604  --
605  -- Name: actor; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
606  --
607
608  CREATE TABLE actor (
609      email character varying(255) NOT NULL,
610      password_hash character varying(255)
611  );
612
613
614  ALTER TABLE public.actor OWNER TO postgres;
615
616  --
617  -- Name: actor_permission; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
618  --
619
620  CREATE TABLE actor_permission (
621      actor_email character varying(255) NOT NULL,
622      permissions_id bigint NOT NULL
623  );
624
625
626  ALTER TABLE public.actor_permission OWNER TO postgres;
627
628  --
629  -- Name: actor_role; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
630  --
631
632  CREATE TABLE actor_role (
633      actor_email character varying(255) NOT NULL,
634      roles_name character varying(255) NOT NULL
635  );
636
637
638  ALTER TABLE public.actor_role OWNER TO postgres;
639
640  --
641  -- Name: advisor; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
642  --
643
644  CREATE TABLE advisor (
645      task character varying(255),
646      id bigint NOT NULL
647  );
648
649
650  ALTER TABLE public.advisor OWNER TO postgres;
651
652  --
653  -- Name: groupstage_tournamentgroup; Type: TABLE; Schema: public; Owner: postgres;
           Tablespace:
654  --
655
656  CREATE TABLE groupstage_tournamentgroup (
657      groupstage_id bigint NOT NULL,
658      groups_groupid bigint NOT NULL
659  );
660
661
662  ALTER TABLE public.groupstage_tournamentgroup OWNER TO postgres;
663
664  --
665  -- Name: hibernate_sequence; Type: SEQUENCE; Schema: public; Owner: postgres
```

```sql
666  --
667
668  CREATE SEQUENCE hibernate_sequence
669      START WITH 1
670      INCREMENT BY 1
671      NO MAXVALUE
672      NO MINVALUE
673      CACHE 1;
674
675
676  ALTER TABLE public.hibernate_sequence OWNER TO postgres;
677
678  --
679  -- Name: match; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
680  --
681
682  CREATE TABLE match (
683      dtype character varying(31) NOT NULL,
684      id bigint NOT NULL,
685      date timestamp without time zone,
686      name character varying(255),
687      played boolean NOT NULL,
688      guestteam_id bigint,
689      hostteam_id bigint,
690      stadium_stadiumid bigint,
691      tournament_year integer,
692      group_groupid bigint
693  );
694
695
696  ALTER TABLE public.match OWNER TO postgres;
697
698  --
699  -- Name: match_match; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
700  --
701
702  CREATE TABLE match_match (
703      match_id bigint NOT NULL,
704      childs_id bigint NOT NULL
705  );
706
707
708  ALTER TABLE public.match_match OWNER TO postgres;
709
710  --
711  -- Name: match_matchevent; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
712  --
713
714  CREATE TABLE match_matchevent (
715      match_id bigint NOT NULL,
716      events_id bigint NOT NULL
717  );
718
719
720  ALTER TABLE public.match_matchevent OWNER TO postgres;
721
722  --
723  -- Name: matchevent; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
724  --
725
726  CREATE TABLE matchevent (
727      dtype character varying(31) NOT NULL,
728      id bigint NOT NULL,
729      additionalminute integer NOT NULL,
730      minute integer NOT NULL,
731      color character varying(255),
732      match_id bigint,
733      involvedplayer_id bigint,
```

```
734      team_id bigint ,
735      scorringteam_id bigint ,
736      newplayer_id bigint
737 );
738

739

740 ALTER TABLE public.matchevent OWNER TO postgres;
741

742 --
743 -- Name: permission; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
744 --
745

746 CREATE TABLE permission (
747      id bigint NOT NULL,
748      typeofaccess integer ,
749      resource_id bigint
750 );
751

752

753 ALTER TABLE public.permission OWNER TO postgres;
754

755 --
756 -- Name: person; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
757 --
758

759 CREATE TABLE person (
760      id bigint NOT NULL,
761      birthday timestamp without time zone ,
762      firstname character varying(255) ,
763      height integer ,
764      lastname character varying(255) ,
765      weight integer
766 );
767

768

769 ALTER TABLE public.person OWNER TO postgres;
770

771 --
772 -- Name: person_team; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
773 --
774

775 CREATE TABLE person_team (
776      person_id bigint NOT NULL,
777      teams_id bigint NOT NULL
778 );
779

780

781 ALTER TABLE public.person_team OWNER TO postgres;
782

783 --
784 -- Name: resource; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
785 --
786

787 CREATE TABLE resource (
788      id bigint NOT NULL,
789      key bytea ,
790      name character varying(255)
791 );
792

793

794 ALTER TABLE public.resource OWNER TO postgres;
795

796 --
797 -- Name: role; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
798 --
799

800 CREATE TABLE role (
801      name character varying(255) NOT NULL,
```

```sql
        inheritedrole_name character varying(255),
        tournament_year integer
);


ALTER TABLE public.role OWNER TO postgres;

--
-- Name: role_permission; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE role_permission (
        role_name character varying(255) NOT NULL,
        permissions_id bigint NOT NULL
);


ALTER TABLE public.role_permission OWNER TO postgres;

--
-- Name: team_advisor; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE team_advisor (
        team_id bigint NOT NULL,
        advisors_id bigint NOT NULL
);


ALTER TABLE public.team_advisor OWNER TO postgres;

--
-- Name: team_player; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE team_player (
        team_id bigint NOT NULL,
        players_id bigint NOT NULL
);


ALTER TABLE public.team_player OWNER TO postgres;

--
-- Name: tournament; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE tournament (
        year integer NOT NULL,
        name character varying(255),
        finalmatch_id bigint,
        groupstage_id bigint,
        matchforthirdplace_id bigint
);


ALTER TABLE public.tournament OWNER TO postgres;

--
-- Name: tournament_country; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE tournament_country (
        tournament_year integer NOT NULL,
        hostcountries_id bigint NOT NULL
);

```

```sql
ALTER TABLE public.tournament_country OWNER TO postgres;


--
-- Name: tournament_stadium; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE tournament_stadium (
    tournament_year integer NOT NULL,
    stadiums_stadiumid bigint NOT NULL
);


ALTER TABLE public.tournament_stadium OWNER TO postgres;


--
-- Name: tournamentgroup; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE tournamentgroup (
    groupid bigint NOT NULL,
    name character varying(255),
    tournament_year integer
);


ALTER TABLE public.tournamentgroup OWNER TO postgres;


--
-- Name: tournamentgroup_match; Type: TABLE; Schema: public; Owner: postgres; Tablespace
        :
--

CREATE TABLE tournamentgroup_match (
    tournamentgroup_groupid bigint NOT NULL,
    matches_id bigint NOT NULL
);


ALTER TABLE public.tournamentgroup_match OWNER TO postgres;


--
-- Name: tournamentgroup_team; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
--

CREATE TABLE tournamentgroup_team (
    tournamentgroup_groupid bigint NOT NULL,
    teams_id bigint NOT NULL
);


ALTER TABLE public.tournamentgroup_team OWNER TO postgres;


--
-- Name: actor_permission_permissions_id_key; Type: CONSTRAINT; Schema: public; Owner:
        postgres; Tablespace:
--

ALTER TABLE ONLY actor_permission
    ADD CONSTRAINT actor_permission_permissions_id_key UNIQUE (permissions_id);



--
-- Name: actor_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
--

ALTER TABLE ONLY actor
    ADD CONSTRAINT actor_pkey PRIMARY KEY (email);
```

```
936
937  --
938  -- Name: actor_role_roles_name_key; Type: CONSTRAINT; Schema: public; Owner: postgres;
         Tablespace:
939  --
940
941  ALTER TABLE ONLY actor_role
942      ADD CONSTRAINT actor_role_roles_name_key UNIQUE (roles_name);
943
944
945  --
946  -- Name: advisor_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
947  --
948
949  ALTER TABLE ONLY advisor
950      ADD CONSTRAINT advisor_pkey PRIMARY KEY (id);
951
952
953  --
954  -- Name: country_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
955  --
956
957  ALTER TABLE ONLY country
958      ADD CONSTRAINT country_pkey PRIMARY KEY (id);
959
960
961  --
962  -- Name: groupstage_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
963  --
964
965  ALTER TABLE ONLY groupstage
966      ADD CONSTRAINT groupstage_pkey PRIMARY KEY (id);
967
968
969  --
970  -- Name: groupstage_tournamentgroup_groups_groupid_key; Type: CONSTRAINT; Schema: public
         ; Owner: postgres; Tablespace:
971  --
972
973  ALTER TABLE ONLY groupstage_tournamentgroup
974      ADD CONSTRAINT groupstage_tournamentgroup_groups_groupid_key UNIQUE (groups_groupid)
             ;
975
976
977  --
978  -- Name: match_matchevent_events_id_key; Type: CONSTRAINT; Schema: public; Owner:
         postgres; Tablespace:
979  --
980
981  ALTER TABLE ONLY match_matchevent
982      ADD CONSTRAINT match_matchevent_events_id_key UNIQUE (events_id);
983
984
985  --
986  -- Name: match_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
987  --
988
989  ALTER TABLE ONLY match
990      ADD CONSTRAINT match_pkey PRIMARY KEY (id);
991
992
993  --
994  -- Name: matchevent_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
995  --
996
997  ALTER TABLE ONLY matchevent
998      ADD CONSTRAINT matchevent_pkey PRIMARY KEY (id);
999
```

```
1000
1001  --
1002  -- Name: permission_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1003  --
1004
1005  ALTER TABLE ONLY permission
1006      ADD CONSTRAINT permission_pkey PRIMARY KEY (id);
1007
1008
1009  --
1010  -- Name: person_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1011  --
1012
1013  ALTER TABLE ONLY person
1014      ADD CONSTRAINT person_pkey PRIMARY KEY (id);
1015
1016
1017  --
1018  -- Name: player_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1019  --
1020
1021  ALTER TABLE ONLY player
1022      ADD CONSTRAINT player_pkey PRIMARY KEY (id);
1023
1024
1025  --
1026  -- Name: resource_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1027  --
1028
1029  ALTER TABLE ONLY resource
1030      ADD CONSTRAINT resource_pkey PRIMARY KEY (id);
1031
1032
1033  --
1034  -- Name: role_permission_permissions_id_key; Type: CONSTRAINT; Schema: public; Owner:
        postgres; Tablespace:
1035  --
1036
1037  ALTER TABLE ONLY role_permission
1038      ADD CONSTRAINT role_permission_permissions_id_key UNIQUE (permissions_id);
1039
1040
1041  --
1042  -- Name: role_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1043  --
1044
1045  ALTER TABLE ONLY role
1046      ADD CONSTRAINT role_pkey PRIMARY KEY (name);
1047
1048
1049  --
1050  -- Name: stadium_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1051  --
1052
1053  ALTER TABLE ONLY stadium
1054      ADD CONSTRAINT stadium_pkey PRIMARY KEY (stadiumid);
1055
1056
1057  --
1058  -- Name: team_advisor_advisors_id_key; Type: CONSTRAINT; Schema: public; Owner: postgres
        ; Tablespace:
1059  --
1060
1061  ALTER TABLE ONLY team_advisor
1062      ADD CONSTRAINT team_advisor_advisors_id_key UNIQUE (advisors_id);
1063
1064
1065  --
```

17

```sql
1066  -- Name: team_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1067  --
1068
1069  ALTER TABLE ONLY team
1070      ADD CONSTRAINT team_pkey PRIMARY KEY (id);
1071
1072
1073  --
1074  -- Name: tournament_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres; Tablespace:
1075  --
1076
1077  ALTER TABLE ONLY tournament
1078      ADD CONSTRAINT tournament_pkey PRIMARY KEY (year);
1079
1080
1081  --
1082  -- Name: tournamentgroup_match_matches_id_key; Type: CONSTRAINT; Schema: public; Owner:
          postgres; Tablespace:
1083  --
1084
1085  ALTER TABLE ONLY tournamentgroup_match
1086      ADD CONSTRAINT tournamentgroup_match_matches_id_key UNIQUE (matches_id);
1087
1088
1089  --
1090  -- Name: tournamentgroup_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres;
          Tablespace:
1091  --
1092
1093  ALTER TABLE ONLY tournamentgroup
1094      ADD CONSTRAINT tournamentgroup_pkey PRIMARY KEY (groupid);
1095
1096
1097  --
1098  -- Name: tournamentgroup_team_teams_id_key; Type: CONSTRAINT; Schema: public; Owner:
          postgres; Tablespace:
1099  --
1100
1101  ALTER TABLE ONLY tournamentgroup_team
1102      ADD CONSTRAINT tournamentgroup_team_teams_id_key UNIQUE (teams_id);
1103
1104
1105  --
1106  -- Name: fk1fc9f7a09b9d8d6d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1107  --
1108
1109  ALTER TABLE ONLY advisor
1110      ADD CONSTRAINT fk1fc9f7a09b9d8d6d FOREIGN KEY (id) REFERENCES person(id);
1111
1112
1113  --
1114  -- Name: fk26e2d0c0d36f2a65; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1115  --
1116
1117  ALTER TABLE ONLY actor_role
1118      ADD CONSTRAINT fk26e2d0c0d36f2a65 FOREIGN KEY (actor_email) REFERENCES actor(email);
1119
1120
1121  --
1122  -- Name: fk26e2d0c0e4a0b3e5; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1123  --
1124
1125  ALTER TABLE ONLY actor_role
1126      ADD CONSTRAINT fk26e2d0c0e4a0b3e5 FOREIGN KEY (roles_name) REFERENCES role(name);
1127
1128
1129  --
1130  -- Name: fk26f49674b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
1131  --
1132
1133  ALTER TABLE ONLY role
1134      ADD CONSTRAINT fk26f49674b12939 FOREIGN KEY (tournament_year) REFERENCES tournament(
             year);
1135
1136
1137  --
1138  -- Name: fk26f496da563832; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1139  --
1140
1141  ALTER TABLE ONLY role
1142      ADD CONSTRAINT fk26f496da563832 FOREIGN KEY (inheritedrole_name) REFERENCES role(
             name);
1143
1144
1145  --
1146  -- Name: fk27b67dfcf4fc9d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1147  --
1148
1149  ALTER TABLE ONLY team
1150      ADD CONSTRAINT fk27b67dfcf4fc9d FOREIGN KEY (country_id) REFERENCES country(id);
1151
1152
1153  --
1154  -- Name: fk3525aa1c2801c0aa; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1155  --
1156
1157  ALTER TABLE ONLY tournamentgroup_match
1158      ADD CONSTRAINT fk3525aa1c2801c0aa FOREIGN KEY (matches_id) REFERENCES match(id);
1159
1160
1161  --
1162  -- Name: fk3525aa1cd57db48a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1163  --
1164
1165  ALTER TABLE ONLY tournamentgroup_match
1166      ADD CONSTRAINT fk3525aa1cd57db48a FOREIGN KEY (tournamentgroup_groupid) REFERENCES
             tournamentgroup(groupid);
1167
1168
1169  --
1170  -- Name: fk3b74360966de6d99; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1171  --
1172
1173  ALTER TABLE ONLY tournament
1174      ADD CONSTRAINT fk3b74360966de6d99 FOREIGN KEY (finalmatch_id) REFERENCES match(id);
1175
1176
1177  --
1178  -- Name: fk3b7436097d361fb7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1179  --
1180
1181  ALTER TABLE ONLY tournament
1182      ADD CONSTRAINT fk3b7436097d361fb7 FOREIGN KEY (groupstage_id) REFERENCES groupstage(
             id);
1183
1184
1185  --
1186  -- Name: fk3b743609fcd043a4; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1187  --
1188
1189  ALTER TABLE ONLY tournament
1190      ADD CONSTRAINT fk3b743609fcd043a4 FOREIGN KEY (matchforthirdplace_id) REFERENCES
             match(id);
1191
1192
1193  --
```

```
1194  -- Name: fk46ae9a515c9d2b6; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1195  --
1196
1197  ALTER TABLE ONLY match
1198      ADD CONSTRAINT fk46ae9a515c9d2b6 FOREIGN KEY (stadium_stadiumid) REFERENCES stadium(
              stadiumid);
1199
1200
1201  --
1202  -- Name: fk46ae9a574b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1203  --
1204
1205  ALTER TABLE ONLY match
1206      ADD CONSTRAINT fk46ae9a574b12939 FOREIGN KEY (tournament_year) REFERENCES tournament
              (year);
1207
1208
1209  --
1210  -- Name: fk46ae9a5d4eaebd3; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1211  --
1212
1213  ALTER TABLE ONLY match
1214      ADD CONSTRAINT fk46ae9a5d4eaebd3 FOREIGN KEY (group_groupid) REFERENCES
              tournamentgroup(groupid);
1215
1216
1217  --
1218  -- Name: fk46ae9a5e2487ff; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1219  --
1220
1221  ALTER TABLE ONLY match
1222      ADD CONSTRAINT fk46ae9a5e2487ff FOREIGN KEY (guestteam_id) REFERENCES team(id);
1223
1224
1225  --
1226  -- Name: fk46ae9a5f0ec562f; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1227  --
1228
1229  ALTER TABLE ONLY match
1230      ADD CONSTRAINT fk46ae9a5f0ec562f FOREIGN KEY (hostteam_id) REFERENCES team(id);
1231
1232
1233  --
1234  -- Name: fk49fd4907cdc8c6de; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1235  --
1236
1237  ALTER TABLE ONLY person_team
1238      ADD CONSTRAINT fk49fd4907cdc8c6de FOREIGN KEY (teams_id) REFERENCES team(id);
1239
1240
1241  --
1242  -- Name: fk49fd4907ce781a97; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1243  --
1244
1245  ALTER TABLE ONLY person_team
1246      ADD CONSTRAINT fk49fd4907ce781a97 FOREIGN KEY (person_id) REFERENCES person(id);
1247
1248
1249  --
1250  -- Name: fk5625b34074b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1251  --
1252
1253  ALTER TABLE ONLY tournament_country
1254      ADD CONSTRAINT fk5625b34074b12939 FOREIGN KEY (tournament_year) REFERENCES
              tournament(year);
1255
1256
1257  --
```

```
1258  -- Name: fk5625b3409a553667; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1259  --
1260
1261  ALTER TABLE ONLY tournament_country
1262      ADD CONSTRAINT fk5625b3409a553667 FOREIGN KEY (hostcountries_id) REFERENCES country(
              id);
1263
1264
1265  --
1266  -- Name: fk57f7a1ef94470e9c; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1267  --
1268
1269  ALTER TABLE ONLY permission
1270      ADD CONSTRAINT fk57f7a1ef94470e9c FOREIGN KEY (resource_id) REFERENCES resource(id);
1271
1272
1273  --
1274  -- Name: fk62cd596526daa28; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1275  --
1276
1277  ALTER TABLE ONLY groupstage_tournamentgroup
1278      ADD CONSTRAINT fk62cd596526daa28 FOREIGN KEY (groups_groupid) REFERENCES
              tournamentgroup(groupid);
1279
1280
1281  --
1282  -- Name: fk62cd5967d361fb7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1283  --
1284
1285  ALTER TABLE ONLY groupstage_tournamentgroup
1286      ADD CONSTRAINT fk62cd5967d361fb7 FOREIGN KEY (groupstage_id) REFERENCES groupstage(
              id);
1287
1288
1289  --
1290  -- Name: fk6372df674b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1291  --
1292
1293  ALTER TABLE ONLY tournamentgroup
1294      ADD CONSTRAINT fk6372df674b12939 FOREIGN KEY (tournament_year) REFERENCES tournament
              (year);
1295
1296
1297  --
1298  -- Name: fk8ea387019b9d8d6d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1299  --
1300
1301  ALTER TABLE ONLY player
1302      ADD CONSTRAINT fk8ea387019b9d8d6d FOREIGN KEY (id) REFERENCES person(id);
1303
1304
1305  --
1306  -- Name: fka1d587dedb6578d7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1307  --
1308
1309  ALTER TABLE ONLY team_advisor
1310      ADD CONSTRAINT fka1d587dedb6578d7 FOREIGN KEY (team_id) REFERENCES team(id);
1311
1312
1313  --
1314  -- Name: fka1d587deea5528a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1315  --
1316
1317  ALTER TABLE ONLY team_advisor
1318      ADD CONSTRAINT fka1d587deea5528a FOREIGN KEY (advisors_id) REFERENCES advisor(id);
1319
1320
1321  --
```

```
1322  -- Name: fkabf317a774b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1323  --
1324
1325  ALTER TABLE ONLY tournament_stadium
1326      ADD CONSTRAINT fkabf317a774b12939 FOREIGN KEY (tournament_year) REFERENCES
                tournament(year);
1327
1328
1329  --
1330  -- Name: fkabf317a7db034f8f; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1331  --
1332
1333  ALTER TABLE ONLY tournament_stadium
1334      ADD CONSTRAINT fkabf317a7db034f8f FOREIGN KEY (stadiums_stadiumid) REFERENCES
                stadium(stadiumid);
1335
1336
1337  --
1338  -- Name: fkb7678b26cdc8c6de; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1339  --
1340
1341  ALTER TABLE ONLY tournamentgroup_team
1342      ADD CONSTRAINT fkb7678b26cdc8c6de FOREIGN KEY (teams_id) REFERENCES team(id);
1343
1344
1345  --
1346  -- Name: fkb7678b26d57db48a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1347  --
1348
1349  ALTER TABLE ONLY tournamentgroup_team
1350      ADD CONSTRAINT fkb7678b26d57db48a FOREIGN KEY (tournamentgroup_groupid) REFERENCES
                tournamentgroup(groupid);
1351
1352
1353  --
1354  -- Name: fkbfc93acf60766fd; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1355  --
1356
1357  ALTER TABLE ONLY match_matchevent
1358      ADD CONSTRAINT fkbfc93acf60766fd FOREIGN KEY (match_id) REFERENCES match(id);
1359
1360
1361  --
1362  -- Name: fkbfc93acfdcc26853; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1363  --
1364
1365  ALTER TABLE ONLY match_matchevent
1366      ADD CONSTRAINT fkbfc93acfdcc26853 FOREIGN KEY (events_id) REFERENCES matchevent(id);
1367
1368
1369  --
1370  -- Name: fkcf243699401023a7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1371  --
1372
1373  ALTER TABLE ONLY actor_permission
1374      ADD CONSTRAINT fkcf243699401023a7 FOREIGN KEY (permissions_id) REFERENCES permission
                (id);
1375
1376
1377  --
1378  -- Name: fkcf243699d36f2a65; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1379  --
1380
1381  ALTER TABLE ONLY actor_permission
1382      ADD CONSTRAINT fkcf243699d36f2a65 FOREIGN KEY (actor_email) REFERENCES actor(email);
1383
1384
1385  --
```

```
1386  -- Name: fkd4e5f70318f27aa6; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1387  --
1388
1389  ALTER TABLE ONLY team_player
1390      ADD CONSTRAINT fkd4e5f70318f27aa6 FOREIGN KEY (players_id) REFERENCES player(id);
1391
1392
1393  --
1394  -- Name: fkd4e5f703db6578d7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1395  --
1396
1397  ALTER TABLE ONLY team_player
1398      ADD CONSTRAINT fkd4e5f703db6578d7 FOREIGN KEY (team_id) REFERENCES team(id);
1399
1400
1401  --
1402  -- Name: fkd7c3a68b1fd58223; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1403  --
1404
1405  ALTER TABLE ONLY match_match
1406      ADD CONSTRAINT fkd7c3a68b1fd58223 FOREIGN KEY (match_id) REFERENCES match(id);
1407
1408
1409  --
1410  -- Name: fkd7c3a68b884bbd1; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1411  --
1412
1413  ALTER TABLE ONLY match_match
1414      ADD CONSTRAINT fkd7c3a68b884bbd1 FOREIGN KEY (childs_id) REFERENCES match(id);
1415
1416
1417  --
1418  -- Name: fke491d7f560766fd; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1419  --
1420
1421  ALTER TABLE ONLY matchevent
1422      ADD CONSTRAINT fke491d7f560766fd FOREIGN KEY (match_id) REFERENCES match(id);
1423
1424
1425  --
1426  -- Name: fke491d7f56a9e6294; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1427  --
1428
1429  ALTER TABLE ONLY matchevent
1430      ADD CONSTRAINT fke491d7f56a9e6294 FOREIGN KEY (scorringteam_id) REFERENCES team(id);
1431
1432
1433  --
1434  -- Name: fke491d7f5c7168977; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1435  --
1436
1437  ALTER TABLE ONLY matchevent
1438      ADD CONSTRAINT fke491d7f5c7168977 FOREIGN KEY (newplayer_id) REFERENCES player(id);
1439
1440
1441  --
1442  -- Name: fke491d7f5db6578d7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1443  --
1444
1445  ALTER TABLE ONLY matchevent
1446      ADD CONSTRAINT fke491d7f5db6578d7 FOREIGN KEY (team_id) REFERENCES team(id);
1447
1448
1449  --
1450  -- Name: fke491d7f5df1dd7b0; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1451  --
1452
1453  ALTER TABLE ONLY matchevent
```

```
1454        ADD CONSTRAINT fke491d7f5df1dd7b0 FOREIGN KEY (involvedplayer_id) REFERENCES player(
            id);
1455
1456
1457 --
1458 -- Name: fkf21d53ddfcf4fc9d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1459 --
1460
1461 ALTER TABLE ONLY stadium
1462     ADD CONSTRAINT fkf21d53ddfcf4fc9d FOREIGN KEY (country_id) REFERENCES country(id);
1463
1464
1465 --
1466 -- Name: fkf8a56938401023a7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1467 --
1468
1469 ALTER TABLE ONLY role_permission
1470     ADD CONSTRAINT fkf8a56938401023a7 FOREIGN KEY (permissions_id) REFERENCES permission
            (id);
1471
1472
1473 --
1474 -- Name: fkf8a569386ac4edcc; Type: FK CONSTRAINT; Schema: public; Owner: postgres
1475 --
1476
1477 ALTER TABLE ONLY role_permission
1478     ADD CONSTRAINT fkf8a569386ac4edcc FOREIGN KEY (role_name) REFERENCES role(name);
1479
1480
1481 --
1482 -- PostgreSQL database dump complete
1483 --
```