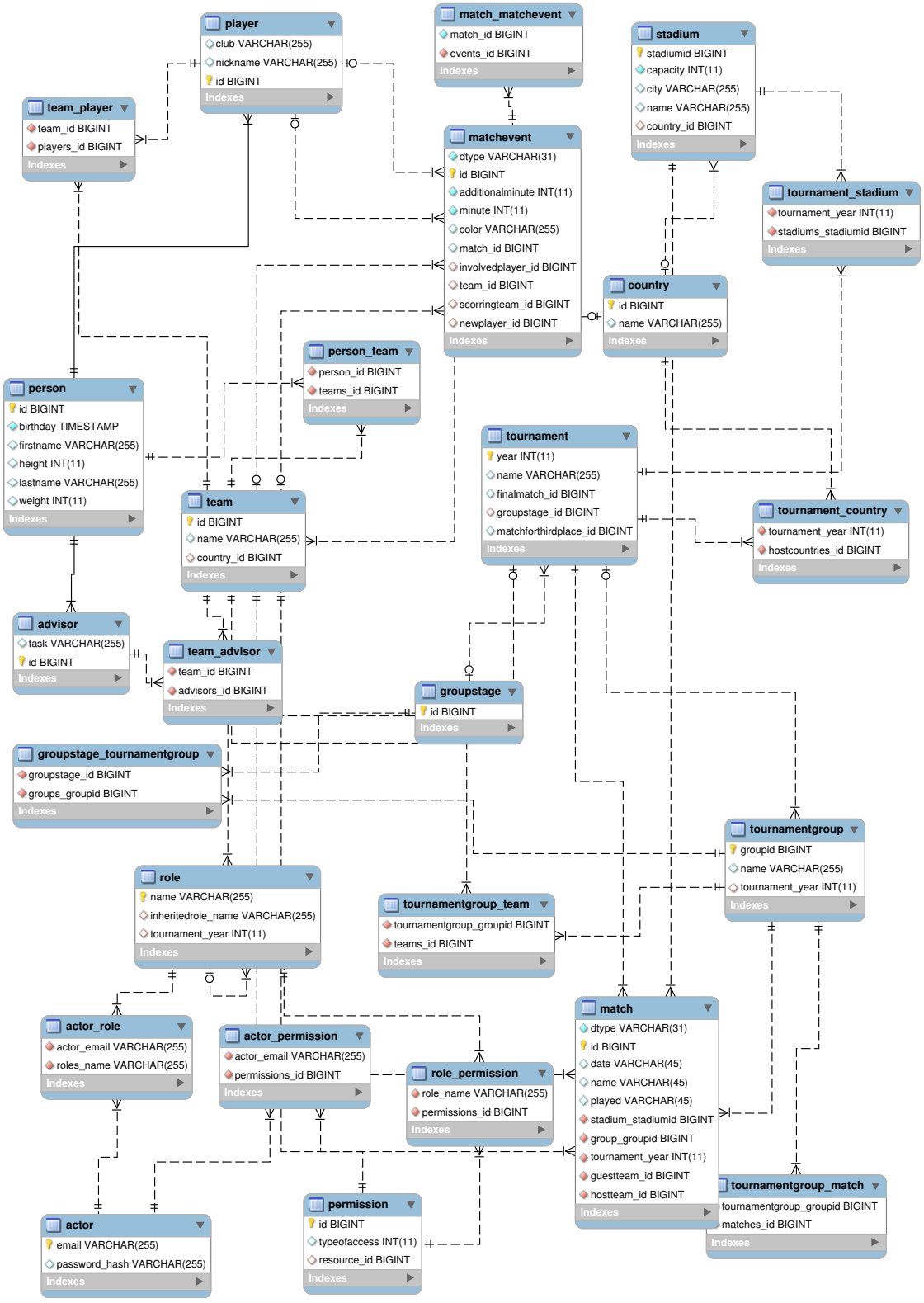
relationales Schema

Grafisches Model



OR-Mapper Vorgehensweise

Wir haben uns entschieden mit *Hibernate* zu Arbeiten. Dabei wurde ausgehend von einem Java-Objektmodell ein relationales Modell erstellt. In unserem Build-Prozess (mittels *Maven*) wird das Schema jedesmal regeneriert und in die Datenbank exportiert. Ein Snapshot der Datenbank inklusive *Stored Procedure* zur Turniererstellung folgt unten.

Alle Testdaten werden von unserer GUI-Anwendung automatisch generiert und in der Datenbank persistiert. Die Turniererstellung aus dem Programm heraus ist sowohl über die *Stored Procedure* als über Java-Methoden generiert möglich.

SQL (Postgres)

```
--
-- PostgreSQL database dump
--

SET statement_timeout = 0;
SET client_encoding = 'UTF8';
SET standard_conforming_strings = off;
SET check_function_bodies = false;
SET client_min_messages = warning;
SET escape_string_warning = off;

SET search_path = public, pg_catalog;

ALTER TABLE ONLY public.role_permission DROP CONSTRAINT fkf8a569386ac4edcc;
ALTER TABLE ONLY public.role_permission DROP CONSTRAINT fkf8a56938401023a7;
ALTER TABLE ONLY public.stadium DROP CONSTRAINT fkf21d53ddfcf4fc9d;
ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5df1dd7b0;
ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5db6578d7;
ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f5c7168977;
ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f56a9e6294;
ALTER TABLE ONLY public.matchevent DROP CONSTRAINT fke491d7f560766fd;
ALTER TABLE ONLY public.match_match DROP CONSTRAINT fkd7c3a68b884bbd1;
ALTER TABLE ONLY public.match_match DROP CONSTRAINT fkd7c3a68b1fd58223;
ALTER TABLE ONLY public.team_player DROP CONSTRAINT fkd4e5f703db6578d7;
ALTER TABLE ONLY public.team_player DROP CONSTRAINT fkd4e5f70318f27aa6;
ALTER TABLE ONLY public.actor_permission DROP CONSTRAINT fkcf243699d36f2a65;
ALTER TABLE ONLY public.actor_permission DROP CONSTRAINT fkcf243699401023a7;
ALTER TABLE ONLY public.match_matchevent DROP CONSTRAINT fkbfc93acfdcc26853;
ALTER TABLE ONLY public.match_matchevent DROP CONSTRAINT fkbfc93acf60766fd;
ALTER TABLE ONLY public.tournamentgroup_team DROP CONSTRAINT fkb7678b26d57db48a;
ALTER TABLE ONLY public.tournamentgroup_team DROP CONSTRAINT fkb7678b26cdc8c6de;
ALTER TABLE ONLY public.tournament_stadium DROP CONSTRAINT fkabf317a7db034f8f;
ALTER TABLE ONLY public.tournament_stadium DROP CONSTRAINT fkabf317a774b12939;
ALTER TABLE ONLY public.team_advisor DROP CONSTRAINT fka1d587deea5528a;
ALTER TABLE ONLY public.team_advisor DROP CONSTRAINT fka1d587dedb6578d7;
ALTER TABLE ONLY public.player DROP CONSTRAINT fk8ea387019b9d8d6d;
ALTER TABLE ONLY public.tournamentgroup DROP CONSTRAINT fk6372df674b12939;
ALTER TABLE ONLY public.groupstage_tournamentgroup DROP CONSTRAINT fk62cd5967d361fb7;
ALTER TABLE ONLY public.groupstage_tournamentgroup DROP CONSTRAINT fk62cd596526daa28;
ALTER TABLE ONLY public.permission DROP CONSTRAINT fk57f7a1ef94470e9c;
ALTER TABLE ONLY public.tournament_country DROP CONSTRAINT fk5625b3409a553667;
ALTER TABLE ONLY public.tournament_country DROP CONSTRAINT fk5625b34074b12939;
ALTER TABLE ONLY public.person_team DROP CONSTRAINT fk49fd4907ce781a97;
ALTER TABLE ONLY public.person_team DROP CONSTRAINT fk49fd4907cdc8c6de;
ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5f0ec562f;
ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5e2487ff;
ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a5d4eaebd3;
ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a574b12939;
ALTER TABLE ONLY public.match DROP CONSTRAINT fk46ae9a515c9d2b6;
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;
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();
```

```
DROP TABLE public.country;
DROP FUNCTION public.generateteam();
DROP TABLE public.team;
DROP FUNCTION public.generatematch(bigint, bigint, bigint);
DROP FUNCTION public.generateknockouttree(integer, bigint);
DROP FUNCTION public.generategroupstage();
DROP TABLE public.groupstage;
DROP FUNCTION public.generategroupmatches(bigint);
DROP FUNCTION public.createchampionship(integer, text);
DROP FUNCTION public.concat(character varying, bigint);
DROP FUNCTION public.concat(character varying, integer);
DROP PROCEDURAL LANGUAGE plpgsql;
DROP SCHEMA public;
--
-- Name: public; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA public;


ALTER SCHEMA public OWNER TO postgres;

--
-- Name: plpgsql; Type: PROCEDURAL LANGUAGE; Schema: -; Owner: postgres
--

CREATE PROCEDURAL LANGUAGE plpgsql;


ALTER PROCEDURAL LANGUAGE plpgsql OWNER TO postgres;

SET search_path = public, pg_catalog;

--
-- Name: concat(character varying, integer); Type: FUNCTION; Schema: public; Owner:
    postgres
--

CREATE FUNCTION concat(character varying, integer) RETURNS character varying
    LANGUAGE plpgsql
    AS $_$
BEGIN
    return $1 || ' ' || chr(49 + ($2%119));
END
$_$;


ALTER FUNCTION public.concat(character varying, integer) OWNER TO postgres;

--
-- Name: concat(character varying, bigint); Type: FUNCTION; Schema: public; Owner:
    postgres
--

CREATE FUNCTION concat(character varying, bigint) RETURNS character varying
    LANGUAGE plpgsql
    AS $_$
BEGIN
    return $1 || ' ' || chr(CAST(49 + ($2%119) AS INT));
END
$_$;


ALTER FUNCTION public.concat(character varying, bigint) OWNER TO postgres;

--
-- Name: createchampionship(integer, text); Type: FUNCTION; Schema: public; Owner:
    postgres
```

```
--

CREATE FUNCTION createchampionship(integer, text) RETURNS void
    LANGUAGE plpgsql
    AS $_$
DECLARE
    yearParam ALIAS FOR $1;
    nameParam ALIAS FOR $2;
    host country%ROWTYPE;
    currentStadium stadium%ROWTYPE;
    groupStage groupstage%ROWTYPE;
    finalId bigint;
BEGIN
    RAISE NOTICE 'Creating a new tournament';

  --Generiert die K.O.-Phase
    finalId := getNextSequence();
    INSERT INTO match(id, name, played, dtype)
    VALUES (finalId, 'Finale', false, 'KnockoutMatch');
    PERFORM generateKnockoutTree(1, finalId);

    --Generiert die Gruppenphase
    groupStage := generateGroupStage();

    --Speichert das Turnier ab
    INSERT INTO tournament (year, name, finalmatch_id, groupstage_id)
    VALUES (yearParam, nameParam, finalId, groupStage.id);

    -- Set a random host country
    host := getCountry();
    INSERT INTO "tournament_country" VALUES (yearParam, host.id);

    -- Set 8 random stadiums
    FOR currentStadium IN SELECT * FROM getStadiumsForCountry(host.id) LOOP
        INSERT INTO tournament_stadium VALUES(yearParam,currentStadium.stadiumid);
    END LOOP;
  RETURN;
END;
$_$;


ALTER FUNCTION public.createchampionship(integer, text) OWNER TO postgres;

--
-- Name: generategroupmatches(bigint); Type: FUNCTION; Schema: public; Owner: postgres
--

CREATE FUNCTION generategroupmatches(bigint) RETURNS void
    LANGUAGE plpgsql
    AS $_$
DECLARE
    groupId ALIAS FOR $1;
    numberOfTeams int;
    currentTeam team%ROWTYPE;
    teams team[];
    i int;
    j int;
BEGIN

    SELECT COUNT(*) INTO numberOfTeams
    FROM tournamentgroup_team
    WHERE tournamentgroup_groupid = groupId;

  -- Test ob genuegend Teams in der Gruppe sind
    if(numberOfTeams < 4) THEN
        RAISE EXCEPTION 'at least 4 teams have to be in a group';
        RETURN;
    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;
```

```
    i int;
BEGIN
    SELECT COUNT(*) INTO n FROM Stadium WHERE country_id = countryId;
    IF(n < 8) THEN
        FOR i IN 1..(8-n) LOOP
            INSERT INTO Stadium VALUES (getNextSequence(), 500, concat('Dummystadt',i) ,
                concat('Dummystadion',i), countryId);
        END LOOP;
    END IF;

    FOR selectedRow IN SELECT * FROM stadium ORDER BY RANDOM() LIMIT 8 LOOP
        return next selectedRow;
    END LOOP;

    return;
END
$_$;


ALTER FUNCTION public.getstadiumsforcountry(bigint) OWNER TO postgres;

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

CREATE TABLE actor (
    email character varying(255) NOT NULL,
    password_hash character varying(255)
);


ALTER TABLE public.actor OWNER TO postgres;

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

CREATE TABLE actor_permission (
    actor_email character varying(255) NOT NULL,
    permissions_id bigint NOT NULL
);


ALTER TABLE public.actor_permission OWNER TO postgres;

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

CREATE TABLE actor_role (
    actor_email character varying(255) NOT NULL,
    roles_name character varying(255) NOT NULL
);


ALTER TABLE public.actor_role OWNER TO postgres;

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

CREATE TABLE advisor (
    task character varying(255),
    id bigint NOT NULL
);


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
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,
802     inheritedrole_name character varying(255),
803     tournament_year integer
804 );
805
806
807 ALTER TABLE public.role OWNER TO postgres;
808
809 --
810 -- Name: role_permission; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
811 --
812
813 CREATE TABLE role_permission (
814     role_name character varying(255) NOT NULL,
815     permissions_id bigint NOT NULL
816 );
817
818
819 ALTER TABLE public.role_permission OWNER TO postgres;
820
821 --
822 -- Name: team_advisor; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
823 --
824
825 CREATE TABLE team_advisor (
826     team_id bigint NOT NULL,
827     advisors_id bigint NOT NULL
828 );
829
830
831 ALTER TABLE public.team_advisor OWNER TO postgres;
832
833 --
834 -- Name: team_player; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
835 --
836
837 CREATE TABLE team_player (
838     team_id bigint NOT NULL,
839     players_id bigint NOT NULL
840 );
841
842
843 ALTER TABLE public.team_player OWNER TO postgres;
844
845 --
846 -- Name: tournament; Type: TABLE; Schema: public; Owner: postgres; Tablespace:
847 --
848
849 CREATE TABLE tournament (
850     year integer NOT NULL,
851     name character varying(255),
852     finalmatch_id bigint,
853     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
);


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);


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

ALTER TABLE ONLY actor_role
    ADD CONSTRAINT actor_role_roles_name_key UNIQUE (roles_name);


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

ALTER TABLE ONLY advisor
    ADD CONSTRAINT advisor_pkey PRIMARY KEY (id);


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

ALTER TABLE ONLY country
    ADD CONSTRAINT country_pkey PRIMARY KEY (id);


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

ALTER TABLE ONLY groupstage
    ADD CONSTRAINT groupstage_pkey PRIMARY KEY (id);


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

ALTER TABLE ONLY groupstage_tournamentgroup
    ADD CONSTRAINT groupstage_tournamentgroup_groups_groupid_key UNIQUE (groups_groupid);


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

ALTER TABLE ONLY match_matchevent
    ADD CONSTRAINT match_matchevent_events_id_key UNIQUE (events_id);

```

```
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 --
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
```

```
--

ALTER TABLE ONLY actor_role
    ADD CONSTRAINT fk26e2d0c0d36f2a65 FOREIGN KEY (actor_email) REFERENCES actor(email);


--
-- Name: fk26e2d0c0e4a0b3e5; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY actor_role
    ADD CONSTRAINT fk26e2d0c0e4a0b3e5 FOREIGN KEY (roles_name) REFERENCES role(name);


--
-- Name: fk26f49674b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY role
    ADD CONSTRAINT fk26f49674b12939 FOREIGN KEY (tournament_year) REFERENCES tournament(
        year);


--
-- Name: fk26f496da563832; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY role
    ADD CONSTRAINT fk26f496da563832 FOREIGN KEY (inheritedrole_name) REFERENCES role(
        name);


--
-- Name: fk27b67dfcf4fc9d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY team
    ADD CONSTRAINT fk27b67dfcf4fc9d FOREIGN KEY (country_id) REFERENCES country(id);


--
-- Name: fk3525aa1c2801c0aa; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournamentgroup_match
    ADD CONSTRAINT fk3525aa1c2801c0aa FOREIGN KEY (matches_id) REFERENCES match(id);


--
-- Name: fk3525aa1cd57db48a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournamentgroup_match
    ADD CONSTRAINT fk3525aa1cd57db48a FOREIGN KEY (tournamentgroup_groupid) REFERENCES
        tournamentgroup(groupid);


--
-- Name: fk3b74360966de6d99; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournament
    ADD CONSTRAINT fk3b74360966de6d99 FOREIGN KEY (finalmatch_id) REFERENCES match(id);


--
-- Name: fk3b7436097d361fb7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--
```

```
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
```

```
--

ALTER TABLE ONLY person_team
    ADD CONSTRAINT fk49fd4907ce781a97 FOREIGN KEY (person_id) REFERENCES person(id);


--
-- Name: fk5625b34074b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournament_country
    ADD CONSTRAINT fk5625b34074b12939 FOREIGN KEY (tournament_year) REFERENCES
        tournament(year);


--
-- Name: fk5625b3409a553667; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournament_country
    ADD CONSTRAINT fk5625b3409a553667 FOREIGN KEY (hostcountries_id) REFERENCES country(
        id);


--
-- Name: fk57f7a1ef94470e9c; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY permission
    ADD CONSTRAINT fk57f7a1ef94470e9c FOREIGN KEY (resource_id) REFERENCES resource(id);


--
-- Name: fk62cd596526daa28; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY groupstage_tournamentgroup
    ADD CONSTRAINT fk62cd596526daa28 FOREIGN KEY (groups_groupid) REFERENCES
        tournamentgroup(groupid);


--
-- Name: fk62cd5967d361fb7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY groupstage_tournamentgroup
    ADD CONSTRAINT fk62cd5967d361fb7 FOREIGN KEY (groupstage_id) REFERENCES groupstage(
        id);


--
-- Name: fk6372df674b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournamentgroup
    ADD CONSTRAINT fk6372df674b12939 FOREIGN KEY (tournament_year) REFERENCES tournament
        (year);


--
-- Name: fk8ea387019b9d8d6d; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY player
    ADD CONSTRAINT fk8ea387019b9d8d6d FOREIGN KEY (id) REFERENCES person(id);


--
```

```
-- Name: fka1d587dedb6578d7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY team_advisor
    ADD CONSTRAINT fka1d587dedb6578d7 FOREIGN KEY (team_id) REFERENCES team(id);


--
-- Name: fka1d587deea5528a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY team_advisor
    ADD CONSTRAINT fka1d587deea5528a FOREIGN KEY (advisors_id) REFERENCES advisor(id);


--
-- Name: fkabf317a774b12939; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournament_stadium
    ADD CONSTRAINT fkabf317a774b12939 FOREIGN KEY (tournament_year) REFERENCES
        tournament(year);


--
-- Name: fkabf317a7db034f8f; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournament_stadium
    ADD CONSTRAINT fkabf317a7db034f8f FOREIGN KEY (stadiums_stadiumid) REFERENCES
        stadium(stadiumid);


--
-- Name: fkb7678b26cdc8c6de; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournamentgroup_team
    ADD CONSTRAINT fkb7678b26cdc8c6de FOREIGN KEY (teams_id) REFERENCES team(id);


--
-- Name: fkb7678b26d57db48a; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY tournamentgroup_team
    ADD CONSTRAINT fkb7678b26d57db48a FOREIGN KEY (tournamentgroup_groupid) REFERENCES
        tournamentgroup(groupid);


--
-- Name: fkbfc93acf60766fd; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY match_matchevent
    ADD CONSTRAINT fkbfc93acf60766fd FOREIGN KEY (match_id) REFERENCES match(id);


--
-- Name: fkbfc93acfdcc26853; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY match_matchevent
    ADD CONSTRAINT fkbfc93acfdcc26853 FOREIGN KEY (events_id) REFERENCES matchevent(id);


--
-- Name: fkcf243699401023a7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
```

```
--

ALTER TABLE ONLY actor_permission
    ADD CONSTRAINT fkcf243699401023a7 FOREIGN KEY (permissions_id) REFERENCES permission
        (id);


--
-- Name: fkcf243699d36f2a65; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY actor_permission
    ADD CONSTRAINT fkcf243699d36f2a65 FOREIGN KEY (actor_email) REFERENCES actor(email);


--
-- Name: fkd4e5f70318f27aa6; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY team_player
    ADD CONSTRAINT fkd4e5f70318f27aa6 FOREIGN KEY (players_id) REFERENCES player(id);


--
-- Name: fkd4e5f703db6578d7; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY team_player
    ADD CONSTRAINT fkd4e5f703db6578d7 FOREIGN KEY (team_id) REFERENCES team(id);


--
-- Name: fkd7c3a68b1fd58223; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY match_match
    ADD CONSTRAINT fkd7c3a68b1fd58223 FOREIGN KEY (match_id) REFERENCES match(id);


--
-- Name: fkd7c3a68b884bbd1; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY match_match
    ADD CONSTRAINT fkd7c3a68b884bbd1 FOREIGN KEY (childs_id) REFERENCES match(id);


--
-- Name: fke491d7f560766fd; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY matchevent
    ADD CONSTRAINT fke491d7f560766fd FOREIGN KEY (match_id) REFERENCES match(id);


--
-- Name: fke491d7f56a9e6294; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY matchevent
    ADD CONSTRAINT fke491d7f56a9e6294 FOREIGN KEY (scorringteam_id) REFERENCES team(id);


--
-- Name: fke491d7f5c7168977; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

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 --
```