## A6: Indexes, triggers, user functions and population

#### GROUP1714, 08/04/2018

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### 1. Database Workload

#### 1.1. Tuple Estimation

Relation reference	Relation Name	Order of magnitude	Estimated growth
R01	Comment	thousands	dozens per day
R02	Community	hundreds	units per week
R03	CommunityCategory	tens	no growth
R04	Community_CommunityCategory	tens	units per week
R05	Community_Member	tens	units per day
R06	Event	thousands	dozens per day
R07	EventCategory	tens	no growth
R08	Event_EventCategory	tens	units per day
R09	Event_Member	milions	hudreds per day
R10	Friend	hundreds	dozens per week
R11	Invoice	hundreds	dozens per week
R12	Member	thousands	units per day
R13	Notification	millions	hundreds per day
R14	Report	thousands	units per week
R15	Ticket	thousands	hundreds per week
R16	TicketType	hundreds	units per week

#### 1.2. Frequent Queries

#### 1.2.1 - Select Queries

**Query Reference** SELECT01

```
      Query Description
      User Profile Information

      Query Frequency
      thousands per day
```

SELECT name, username, birthdate, email, country, city,
address, taxPayerNumber, about, profilePicture, registrationDate
FROM "Member"
WHERE "Member".idMember = \$selectedMember;

 Query Reference
 SELECT02

 Query Description
 Member's Notification Feed

 Query Frequency
 thousands per day

SELECT timestamp, community, recipient, context, comment, event
FROM "notification"
WHERE "notification".recipient = \$selectedMember
LIMIT \$selectedLimit OFFSET \$selectedOffset
ORDER BY "notification".timestamp;

Query Reference SELECT03

**Query Description** Member's Upcoming Events at their Homepage

**Query Frequency** thousands per day

SELECT name, description, imagePath, startday, endday, starttime, endtime
FROM "event"
INNER JOIN event\_member
ON event.idevent= event\_member.idevent AND "event\_member".idmember = \$\_SESSIO
WHERE "event".startday >= \$today
LIMIT \$selectedLimit OFFSET \$selectedOffset
Order BY "event".startday

**←** 

 Query Reference
 SELECT04

 Query Description
 Notify that Member has a ticket type of X for a specific event (this will be a popup in the event page)

 Query hundreds per month
 hundreds per month

SELECT \*
FROM "TicketType"

Frequency

```
WHERE "TicketType".event = $selectedEvent
AND "Ticket".buyer = $_SESSION["currentMember"]
LIMIT $selectedLimit OFFSET $selectedOffset;
```

# Query Reference SELECT05 Query Description Event's Information Query Frequency thousands per day

```
SELECT e1.name, e1.description, e1.imagePath, e1.startday, e1.endday, e1.star
e1.country, e1.city, e1.address, category
FROM "event" e1
INNER JOIN LATERAL(
    SELECT categ.name as category
    FROM "event_eventcategory" con, "eventcategory" categ
    WHERE categ.ideventcategory = con.ideventcategory
) e2 ON true
WHERE "event".idEvent = $selectedEvent;
```

Query ReferenceSELECT06Query DescriptionEvent's Activity Feed or CommentsQuery Frequencythousands per day

SELECT timestamp, recipient, context, comment, event
FROM "notification"
WHERE "notification".event = \$selectedEvent
LIMIT \$selectedLimit OFFSET \$selectedOffset
ORDER BY "notification".timestamp;

 Query Reference
 SELECT07

 Query Description
 Get Top Events by number of attendants

 Query Frequency
 thousands per day

```
SELECT name, imagePath, startday, endday, description
FROM "event" e1
INNER JOIN LATERAL
(
SELECT COUNT("idmember") as numberMembers
FROM "event_member"
WHERE "event_member".idevent= e1.idevent
) e2 ON true
```

```
LIMIT $selectedLimit OFFSET $selectedOffset ORDER BY numberMembers DESC
```

# Query Reference SELECT08 Query Description Community's Information

**Query Frequency** thousands per day

```
SELECT c1.name, description, imagePath, creationDate, numberMembers, category
FROM "community" c1
INNER JOIN LATERAL(
  SELECT COUNT("idmember") as numberMembers
  FROM "community_member"
 WHERE "community_member".idcommunity= c1.idcommunity
) c2 ON true
INNER JOIN LATERAL(
  SELECT cat.name as category
  FROM "community_communitycategory" con, "communitycategory" cat
 WHERE cat.idcommunitycategory = con.idcommunitycategory
) c3 ON true
INNER JOIN LATERAL (
  SELECT member.name as admin
  FROM "member", "community_member" con
 WHERE (member.idmember = con.idmember AND isadmin = true)
) c4 ON TRUE
WHERE c1.idcommunity = $selectedCommunity;
```

Query ReferenceSELECT09Query DescriptionCommunity's Activity FeedQuery Frequencythousands per day

SELECT timestamp, recipient, context, comment, community FROM "notification"

WHERE "notification".community = \$selectedCommunity

LIMIT \$selectedLimit OFFSET \$selectedOffset

ORDER BY "notification".timestamp;

Query ReferenceSELECT10Query DescriptionGet Top CommunitiesQuery Frequencythousands per day

SELECT name, description, imagePath, creationDate, numberMembers FROM "community" c1

```
INNER JOIN LATERAL
(
SELECT COUNT("idmember") as numberMembers
FROM "community_member"
WHERE "community_member".idcommunity= c1.idcommunity
) e2 ON true
LIMIT $selectedLimit OFFSET $selectedOffset
ORDER BY numberMembers DESC
```

# Query ReferenceSELECT11Query DescriptionVisitor's Upcoming EventsQuery Frequencythousands per day

```
SELECT name, description, imagePath, startday, endday
FROM "event"
WHERE "event".date >= $today
LIMIT $selectedLimit OFFSET $selectedOffset
Order BY "event".date
```

# Query Reference SELECT12 Query Description Member's Joined Events Query Frequency thousands per day

```
SELECT name, description, imagePath, starttime, endtime
FROM "event", "event_member", "member"
WHERE "event".idevent = "event_member".idevent AND "event_member".idmember =
LIMIT $selectedLimit OFFSET $selectedOffset
Order BY "event".date
```

Query ReferenceSELECT13Query DescriptionMember's Joined CommunitiesQuery Frequencythousands per day

```
SELECT name, description, imagePath, creationDate, numberMembers
FROM "community" c1, "community_member", "member"
WHERE "community_member".idcommunity = c1.idcommunity
AND "community_member".idmember = $selectedMember
INNER JOIN LATERAL
(
SELECT COUNT("idmember") as numberMembers
FROM "community_member"
WHERE "community_member".idcommunity= c1.idcommunity
```

```
) e2 ON true
LIMIT $selectedLimit OFFSET $selectedOffset
ORDER BY numberMembers DESC
```

Query Reference	SELECT14
Query Description	Community Participants
Query Frequency	thousands per week

```
SELECT "member".username, "member".profilePicture
FROM "member", "community", "community_member"
WHERE "community_member".idcommunity = $selectedCommunity
AND "member".idmember = "community_member".idmember
LIMIT $selectedLimit OFFSET $selectedOffset
```

Query Reference	SELECT15
Query Description	Event Participants
Ouerv Frequency	thousands per day

```
SELECT "member".username, "member".profilePicture
FROM "member", "event", "event_member"
WHERE "event_member".idevent = $selectedEvent
AND "member".idmember = "event_member".idmember
LIMIT $selectedLimit OFFSET $selectedOffset
```

Query Reference	SELECT16
Query Description	Community names
Query Frequency	thousands per day

```
SELECT idcommunity, name
FROM "community"
LIMIT $selectedLimit OFFSET $selectedOffset
```

Query Reference	SELECT17
Query Description	Event names
Ouerv Frequency	thousands per day

```
SELECT idevent, name FROM "event"
```

```
      Query Reference
      SELECT18

      Query Description
      return all reports

      Query Frequency
      thousands per day
```

```
SELECT userName, c1.context, communityName, commentText, eventName FROM repor
INNER JOIN LATERAL(
 SELECT member.username as userName
 FROM member
 WHERE c1.member = member.idmember
) c2 ON true
INNER JOIN LATERAL(
 SELECT community.name as communityName
 FROM community
 WHERE c1.community = community.idcommunity
) c3 ON true
INNER JOIN LATERAL(
 SELECT comment.text as commentText
 FROM comment
 WHERE c1.comment = comment.idcomment
) c4 ON true
INNER JOIN LATERAL(
 SELECT event.name as eventName
 FROM event
 WHERE c1.event = event.idevent
) c5 ON true
LIMIT $selectedLimit OFFSET $selectedOffset
```

```
Query ReferenceSELECT19Query DescriptionFriends of a memberQuery Frequencythousands per day
```

```
SELECT friend.idf2
FROM friend
WHERE (friend.idf1 = $_SESSION['currentMember'] AND friend.accepted = true) 0
(friend.idf2 = $_SESSION['currentMember'] AND friend.accepted = true)
LIMIT $selectedLimit OFFSET $selectedOffset
```

```
      Query Reference
      SELECT20

      Query Description
      Event comments from specified event

      Query Frequency
      thousands per day
```

```
SELECT c1.text, c1.timestamp, userName FROM comment c1
INNER JOIN LATERAL(
   SELECT member.username AS userName
   FROM member
   WHERE c1.author = member.idmember
) c2 on true
WHERE c1.event = $selectedEvent
LIMIT $selectedLimit OFFSET $selectedOffset
```

### Query Reference SELECT21

**Query Description** Member ticket purchases

**Query Frequency** thousands per day

```
SELECT ticketType, ticketDescription, ticketPrice, invoiceTaxPayerNr,
invoiceName, invoiceQuantity, invoiceAmount, invoiceAddress, invoiceDate
FROM ticket t1
INNER JOIN LATERAL(
        SELECT invoice.taxpayernumber AS invoiceTaxPayerNr,
        invoice.idinvoice AS idInvoice,
        invoice.name AS invoiceName,
        invoice.quantity AS invoiceQuantity,
        invoice.amount AS invoiceAmount,
        invoice.address AS invoiceAddress,
        invoice.date AS invoiceDate
        FROM invoice
        WHERE t1.idticket = invoice.idinvoice
) c2 ON true
INNER JOIN LATERAL(
  SELECT ticketType.type AS ticketType,
  ticketType.description AS ticketDescription,
  ticketType.price AS ticketPrice,
  ticketType.event AS eventTicket
  FROM tickettype
  WHERE t1.type = tickettype.idtickettype
) c3 ON true
WHERE t1.buyer = $_SESSION['currentMember']
LIMIT $selectedLimit OFFSET $selectedOffset
```

Query Reference	SELECT22
Query Description	Search Event by name
Query Frequency	thousands per day

```
SELECT name, date, imagepath FROM event WHERE name = $selectedName
```

Query Reference	SELECT23
Query Description	Search Community by name
Query Frequency	thousands per day

```
SELECT c1.name, c1.imagepath, numberMembers AS FROM community c1
INNER JOIN LATERAL(
   SELECT COUNT("idmember") as numberMembers
   FROM "community_member"
   WHERE "community_member".idcommunity= c1.idcommunity
) c2 ON true
WHERE name = $selectedName
```

Query Reference	SELECT24	
Query Description	Search Member by username	
Query Frequency	thousands per day	

SELECT name, username, profilepicture FROM memeber WHERE username = \$selecteUserName

```
Query ReferenceSELECT25Query DescriptionSearch Event by dateQuery Frequencythousands per day
```

```
SELECT name, date, imagepath
FROM event
WHERE startdate >= $startDate AND enddate <= $endDate;</pre>
```

#### 1.2.2. Updates Queries

Query Reference	UPDATE01
Query Description	Updating a Community's Information
Query Frequency	tens per month

```
UPDATE "community"
   SET name = $name, description = $des, imagePath = $image, isPublic = $isPub
   WHERE "idevent" = $id;
Query Reference
                  UPDATE02
                  Updating an Event's Information
Query Description
Query Frequency
                  hundreds per day
 UPDATE "event"
   SET name = $name, description = $des, country = $country, city = $city
   WHERE "idevent" = $id;
Query Reference
                  UPDATE03
Query Description
                  Updating a Member's Information
Query Frequency
                  hundreds per day
 UPDATE "member"
   SET name = $name, password = $password, country = $country, city = $city, a
   taxpayernumber = $payerNumber, about = $des, profilepicture = $profilePic
   WHERE "idmember" = $id;
Query Reference
                  UPDATE04
Query Description
                  Add/Remove new Admin from an Event
Query Frequency
                  units per month
 UPDATE "event_member"
   SET isAdmin = $permissions
   WHERE "idmember" = $selectedMember
   AND "idevent" = $selectedEvent;
Query Reference
                  UPDATE05
```

```
Query Reference UPDATE05

Query Description Add/Remove new Admin from a Community

Query Frequency hundreds per day
```

```
UPDATE "community_member"
SET isAdmin = $permissions
```

```
WHERE "idmember" = $selectedMember
AND "idcommunity" = $selectedCommunity;
```

# Query Reference UPDATE06 Query Description Make Member a Website Admin Query Frequency units per year

```
UPDATE "member"
SET isWebsiteAdmin = $permissions
WHERE idmember = $selectedMember;
```

# Query ReferenceUPDATE07Query DescriptionSolve a ReportQuery Frequencyhundreds per day

```
UPDATE "report"
SET solved = true
WHERE idReport = $selectedReport;
```

Query Reference	UPDATE08
Query Description	Ban Member
Query Frequency	hundreds per day

```
UPDATE Member
SET isactive = false
WHERE "idMember" = $_SESSION['currentMember'];
```

Query Reference	UPDATE09
Query Description	Ban Event
Query Frequency	hundreds per day

```
UPDATE Event
SET isactive = false
WHERE "idEvent" = $_SESSION['currentEvent'];
```

Query Reference UPDATE010

```
Query Description
                    Ban Community
 Query Frequency
                    hundreds per day
   UPDATE Community
   SET isactive = false
  WHERE "idCommunity" = $_SESSION['currentCommunity'];
 Query Reference
                    UPDATE011
 Query Description
                    When a buddy request is accepted, the flag is set to true
 Query Frequency
                   hundreds per day
  UPDATE Friend
   SET accepted = true
  WHERE ("idFriend1" = $_SESSION['currentCommunity'] AND "idFriend2 = $notifica
         ("idFriend2" = $_SESSION['currentCommunity'] AND "idFriend1 = $notifica
1.2.3 - Insert Queries
 Query Reference
                   INSERT01
 Query Description
                    Create a new Event
 Query Frequency
                    hundreds per day
   INSERT INTO "event" VALUES
    ($id, $name, $description, $imagePath, $startDay, $endDay, $startTime, $endT
    $country, $city, $address, $publicLink, $isPublic, null);
 Query Reference
                    INSERT02
 Query Description
                    Member Joining Event
                    hundreds per day
 Query Frequency
   INSERT INTO "event_member" VALUES
    ($selectedEvent, $_SESSION["currentMember"], false);
 Query Reference
                    INSERT03
 Query Description
                    Add a Comment to an Event
```

```
INSERT INTO "comment" VALUES
  ($idcomment, $content, $timestamp, $selectedEvent, $_SESSION["currentMember"
Query Reference
                  INSERT04
Query Description
                  Invite a Member to an Event
                  hundreds per day
Query Frequency
 INSERT INTO "notification" VALUES
  ($idNnotification, $timestamp, 'event', null, $_SESSION["currentMember"], 'Y
Query Reference
                  INSERT05
Query Description
                  Create a new Community
Query Frequency
                  hundreds per day
 INSERT INTO "community" VALUES
  ($id, $name, $description, $timestamp, $imagePath, $publicLink, $isPublic);
Query Reference
                  INSERT06
Query Description
                  Member Joining Community
Query Frequency
                  hundreds per day
 INSERT INTO "community_member" VALUES
  ($selectedCommunity, $_SESSION["currentMember"], false);
Query Reference
                  INSERT07
Query Description
                  Invite a Member to a Community
Query Frequency
                  hundreds per day
 INSERT INTO "notification" VALUES
  ($idNnotification, $timestamp, 'community', $idCommunity, $_SESSION["current
  'You were invited to', null, null);
```

**Query Reference INSERT08 Query Description** Create an Event for a Community Query Frequency hundreds per day INSERT INTO "event" VALUES (\$id, \$name, \$description, \$imagePath, \$startDay, \$endDay, \$startTime, \$endT \$country, \$city, \$address, \$publicLink, \$isPublic, \$idCommunity); **Query Reference** INSERT09 **Query Description** Register Query Frequency hundreds per day INSERT INTO "member" VALUES (\$id, \$name, \$username, \$password, \$birthdate, \$email, \$country, \$city, \$add \$payerNumber, \$about, \$profilePicture, \$timestamp, \$sentEmailVerification, \$ **Query Reference INSERT10 Query Description** Member Purchasing a Ticket Query Frequency hundreds per day INSERT INTO "ticket" VALUES (\$idTicket, \$type, \$\_SESSION['currentMember'], \$idInvoice); **Query Reference INSERT11 Query Description** File a Report Query Frequency hundreds per day INSERT INTO "report" VALUES (\$idReport, \$timestamp, \$type, \$context, \$community, \$reporter, \$comment, \$e

Query Reference	INSERT12
Query Description	Invite a Friend
Query Frequency	hundreds per day

```
INSERT INTO "Friend" VALUES
  ($_SESSION['currentMember'], $friendToInvite, false);
```

#### 1.2.4 - Delete Queries

 Query Reference
 DELETE01

 Query Description
 Delete own comment

 Query Frequency
 hundreds per week

```
DELETE FROM "comment"
WHERE "idcomment" = $selectedComment
AND "author" = $_SESSION['currentMember'];
```

 Query Reference
 DELETE02

 Query Description
 Remove Member from Community

 Query Frequency
 units per week

```
DELETE FROM "Community_Member"
WHERE "idMember" = $_SESSION['currentMember']
AND "idCommunity" = $selectedCommunity;
```

 Query Reference
 DELETE03

 Query Description
 Remove Member from Event

 Query Frequency
 hundreds per month

```
DELETE FROM "Event_Member"
WHERE "idMember" = $_SESSION['currentMember']
AND "idEvent" = $selectedEvent;
```

### 2. Proposed Indices

#### 2.1. Performance Indices

Index Reference	IDX01
Related queries	SELECT25
Index relation	Event
Index attribute	startDate, endDate

Index type	B-tree
Cardinality	medium
Clustering	No
Justification	The query is widly used, therefore this index is crucial.

CREATE INDEX event\_dates ON "Event" USING btree (startdate, enddate);

#### 2.2. Full-text Search Indices

Index Reference	IDX02
Related queries	SELECT23
Index relation	Community
Index attribute	name
Index type	B-tree
Cardinality	high
Clustering	No
Justification	There will be a lot of searches for a Community by its name.

CREATE INDEX search\_community\_name ON community USING BTREE (to\_tsvector('eng

**Index Reference** IDX03 **Related queries** SELECT22 **Index relation** Event Index attribute name, description Index type B-tree Cardinality high Clustering No **Justification** Users will be able to search for an event name or descripiton, a lot faster

CREATE INDEX search\_event\_idx ON event USING BTREE (to\_tsvector('english', na

Related queries	SELECT24
Index relation	Member
Index attribute	name
Index type	B-tree
Cardinality	medium
Clustering	No
Justification	There will be a lot of searches for a Community by its name.

CREATE INDEX search\_member\_name ON community USING BTREE (to\_tsvector('englis

### 3. Triggers

Trigger Reference	TRIGGER01
Trigger Description	When a community event is created, every Member of the community is invited to that event

```
CREATE FUNCTION inviteAllMembers() RETURNS TRIGGER AS
$BODY$
BEGIN
 INSERT INTO 'event_member' VALUES
  (new.idEvent, member, admin)
 SELECT community_member.idmember as member, community_member.isadmin as ad
  FROM 'community_member'
 WHERE(new.community = community_member=idcommunity);
 RETURN NEW;
END
$BODY$
LANGUAGE plpgsql;
CREATE TRIGGER eventCommunity
 AFTER INSERT ON EVENT
 FOR EACH ROW
 WHEN Event.community NOT NULL
   EXECUTE PROCEDURE inviteAllMembers();
```

**Trigger Reference** TRIGGER02

**Trigger Description** Before sending a Friend Request, check if the tuple or its reflex already exists

```
DROP TRIGGER IF EXISTS inviteFriend;
CREATE FUNCTION checkDuplicateFriend() RETURNS TRIGGER AS
$BODY$
BEGIN
IF EXISTS
(SELECT *
   FROM "Friend"
   WHERE ("Friend".idfriend1 = NEW.idfriend1 AND "Friend".idfriend2 = NEW.id
        ("Friend".idfriend1 = NEW.idfriend2 AND "Friend".idfriend2 = NEW.idfr
THEN RAISE EXCEPTION 'Duplicate Friendship Tuple';
END
$BODY$
LANGUAGE plpgsql;
DROP TRIGGER IF EXISTS inviteFriend;
CREATE TRIGGER inviteFriend
  BEFORE INSERT ON "Friend"
    EXECUTE PROCEDURE checkDuplicateFriend();
```

#### Trigger Reference TRIGGER03

**Trigger** Before buying a ticket, the available quantitiy is checked, and an invoice row is **Description** created

```
CREATE FUNCTION createInvoice() RETURNS TRIGGER AS
$BODY$
BEGIN
 IF NOT EXISTS (SELECT *
   FROM "TicketType"
   WHERE "TicketType".idTicketType = New.type AND
    "TicketType".availableQuantity - $quantity < 0)</pre>
  RAISE EXCEPTION 'Not enough tickets avaiable of that type';
 END IF;
 UPDATE TicketType
  SET availableQuantity = aavailableQuantity - $quantity
 WHERE "TicketType".idTicketType = New.type;
  INSERT INTO "invoice" VALUES
  (id, memberid, taxpayer, address, $quantity, $quantity * price, $today)
  SELECT memberid, taxpayer, address
  FROM "member"
 WHERE (member.memberid = $_SESSION['currentMember'])
  SELECT price
  FROM "tickettype"
 WHERE (new.type = tickettype.idtickettype);
  RETURN NEW;
END
```

```
$BODY$
LANGUAGE plpgsql;

CREATE TRIGGER buyTicketBefore
BEFORE INSERT ON "ticket"
FOR EACH ROW
EXECUTE PROCEDURE createInvoice();
```

### 4. Complete SQL Code

```
create.sql
```

propulate.sql

```
/* Drop Tables */
DROP TABLE IF EXISTS Comment CASCADE;
DROP TABLE IF EXISTS Community CASCADE;
DROP TABLE IF EXISTS CommunityCategory CASCADE;
DROP TABLE IF EXISTS Event CASCADE;
DROP TABLE IF EXISTS EventCategory CASCADE;
DROP TABLE IF EXISTS Friend CASCADE;
DROP TABLE IF EXISTS Invoice CASCADE;
DROP TABLE IF EXISTS Member CASCADE;
DROP TABLE IF EXISTS Notification CASCADE;
DROP TABLE IF EXISTS Report CASCADE;
DROP TABLE IF EXISTS Ticket CASCADE;
DROP TABLE IF EXISTS TicketType CASCADE;
DROP TABLE IF EXISTS Community_Member CASCADE;
DROP TABLE IF EXISTS community_communitycategory CASCADE;
DROP TABLE IF EXISTS event_eventcategory CASCADE;
DROP TABLE IF EXISTS event_member CASCADE;
DROP TYPE IF EXISTS notificationType;
```

```
CREATE TYPE notificationtype AS ENUM (
    'invitation',
    'comment'
);
CREATE TABLE comment (
    idcomment integer NOT NULL,
    text text NOT NULL,
    "timestamp" timestamp without time zone NOT NULL,
    event integer,
    author integer
);
CREATE TABLE community (
    idcommunity integer NOT NULL,
    name character varying(64) NOT NULL,
    description character varying(256) NOT NULL,
    creationdate date NOT NULL,
    imagepath text,
    publiclink text,
    ispublic boolean NOT NULL,
    isactive boolean NOT NULL
);
CREATE TABLE community_communitycategory (
    idcommunity integer,
    idcommunitycategory integer,
    PRIMARY KEY(idcommunity, idcommunitycategory)
);
CREATE TABLE community_member (
    idcommunity integer,
    idmember integer,
    isadmin boolean NOT NULL,
    PRIMARY KEY(idcommunity, idmember)
);
CREATE TABLE communitycategory (
    idcommunitycategory integer NOT NULL,
    name character varying(50)
);
CREATE TABLE event (
    idevent integer NOT NULL,
    name character varying(64) NOT NULL,
    description character varying(516) NOT NULL,
    imagepath text,
    startday date NOT NULL,
    endday date NOT NULL,
```

```
starttime time without time zone NOT NULL,
    endtime time without time zone NOT NULL,
    country character varying(50) NOT NULL,
    city character varying(50) NOT NULL,
    address character varying(100) NOT NULL,
    publiclink text,
    ispublic boolean NOT NULL,
    community integer,
    isactive boolean NOT NULL
);
CREATE TABLE event_eventcategory (
    idevent integer,
    ideventcategory integer.
    PRIMARY KEY(idevent, ideventcategory)
);
CREATE TABLE event_member (
    idevent integer,
    idmember integer,
    isadmin boolean NOT NULL,
    PRIMARY KEY(idevent, idevent)
);
CREATE TABLE eventcategory (
    ideventcategory integer NOT NULL,
    name character varying(50) NOT NULL,
);
CREATE TABLE friend (
    idf1 integer NOT NULL,
    idf2 integer NOT NULL,
   accepted boolean
);
CREATE TABLE invoice (
    idinvoice integer NOT NULL,
    taxpayernumber integer,
    name character varying(50),
    address text,
    quantity integer NOT NULL,
    amount integer NOT NULL,
    date date NOT NULL,
    CONSTRAINT invoice_amount_check CHECK ((amount > 0)),
    CONSTRAINT invoice_quantity_check CHECK ((quantity > 0))
);
```

```
CREATE TABLE member (
    idmember integer NOT NULL,
    name character varying(50) NOT NULL,
    username character varying(16) NOT NULL,
    password text NOT NULL,
    birthdate date NOT NULL,
    email character varying(50) NOT NULL,
    country character varying(50),
    city character varying(50),
    address text,
    taxpayernumber character varying(20),
    about character varying(256),
    profilepicture text,
    registrationdate date NOT NULL,
    sentemailverification boolean NOT NULL,
    verifiedemail boolean NOT NULL,
    iswebsiteadmin boolean NOT NULL,
    isactive boolean NOT NULL
);
CREATE TABLE notification (
    idnotification integer NOT NULL,
    "timestamp" timestamp without time zone NOT NULL,
    type notificationtype NOT NULL,
    community integer,
    recipient integer,
    comment integer,
   event integer
);
CREATE TABLE report (
    idreport integer NOT NULL,
    "timestamp" timestamp without time zone NOT NULL,
    context text NOT NULL,
    community integer,
    reporter integer,
    comment integer,
    event integer,
    solved boolean DEFAULT false NOT NULL,
   member integer
);
CREATE TABLE ticket (
    idticket integer NOT NULL,
    type integer,
    buyer integer NOT NULL,
    idinvoice integer NOT NULL
```

```
);
CREATE TABLE tickettype (
    idtickettype integer NOT NULL,
    type integer NOT NULL,
    price double precision NOT NULL,
    initial quantity integer NOT NULL,
    availablequantity integer,
    description text,
    event integer NOT NULL,
    CONSTRAINT tickettype_initialquantity_check CHECK ((initialquantity > 0))
    CONSTRAINT tickettype_price_check CHECK ((price > (0)::double precision))
);
ALTER TABLE ONLY comment
    ADD CONSTRAINT comment_pkey PRIMARY KEY (idcomment);
ALTER TABLE ONLY community
    ADD CONSTRAINT community_pkey PRIMARY KEY (idcommunity);
ALTER TABLE ONLY community
    ADD CONSTRAINT community_publiclink_key UNIQUE (publiclink);
ALTER TABLE ONLY communitycategory
    ADD CONSTRAINT communitycategory_pkey PRIMARY KEY (idcommunitycategory);
ALTER TABLE ONLY event
    ADD CONSTRAINT event_pkey PRIMARY KEY (idevent);
ALTER TABLE ONLY eventcategory
    ADD CONSTRAINT eventcategory_pkey PRIMARY KEY (ideventcategory);
ALTER TABLE ONLY invoice
    ADD CONSTRAINT invoice_pkey PRIMARY KEY (idinvoice);
ALTER TABLE ONLY member
    ADD CONSTRAINT member_email_key UNIQUE (email);
ALTER TABLE ONLY member
    ADD CONSTRAINT member_pkey PRIMARY KEY (idmember);
```

```
ALTER TABLE ONLY member
    ADD CONSTRAINT member_username_key UNIQUE (username);
ALTER TABLE ONLY notification
    ADD CONSTRAINT notification_pkey PRIMARY KEY (idnotification);
ALTER TABLE ONLY report
    ADD CONSTRAINT report_pkey PRIMARY KEY (idreport);
ALTER TABLE ONLY ticket
    ADD CONSTRAINT ticket_pkey PRIMARY KEY (idticket);
ALTER TABLE ONLY tickettype
    ADD CONSTRAINT tickettype_pkey PRIMARY KEY (idtickettype);
ALTER TABLE ONLY community_communitycategory
    ADD CONSTRAINT fk_category FOREIGN KEY (idcommunitycategory) REFERENCES c
ALTER TABLE ONLY report
    ADD CONSTRAINT fk_comment FOREIGN KEY (comment) REFERENCES comment(idcomm
ALTER TABLE ONLY notification
    ADD CONSTRAINT fk_comment FOREIGN KEY (comment) REFERENCES comment(idcomm
ALTER TABLE ONLY community_member
    ADD CONSTRAINT fk_community FOREIGN KEY (idcommunity) REFERENCES communit
ALTER TABLE ONLY community_communitycategory
    ADD CONSTRAINT fk_community FOREIGN KEY (idcommunity) REFERENCES communit
ALTER TABLE ONLY report
    ADD CONSTRAINT fk_community FOREIGN KEY (community) REFERENCES community(
ALTER TABLE ONLY notification
    ADD CONSTRAINT fk_community FOREIGN KEY (community) REFERENCES community(
ALTER TABLE ONLY event
    ADD CONSTRAINT fk_community FOREIGN KEY (community) REFERENCES community(
```

ADD CONSTRAINT member\_taxpayernumber\_key UNIQUE (taxpayernumber);

```
ALTER TABLE ONLY community_communitycategory
    ADD CONSTRAINT fk_community_communitycategory_community FOREIGN KEY (idco
ALTER TABLE ONLY community_communitycategory
    ADD CONSTRAINT fk_community_communitycategory_communitycategory FOREIGN K
ALTER TABLE ONLY community_member
    ADD CONSTRAINT fk_community_member_community FOREIGN KEY (idcommunity) RE
ALTER TABLE ONLY community_member
    ADD CONSTRAINT fk_community_member_member FOREIGN KEY (idmember) REFERENC
ALTER TABLE ONLY community_member
    ADD CONSTRAINT fk_communitymember FOREIGN KEY (idmember) REFERENCES membe
ALTER TABLE ONLY event_eventcategory
    ADD CONSTRAINT fk_event FOREIGN KEY (idevent) REFERENCES event(idevent);
ALTER TABLE ONLY event_member
    ADD CONSTRAINT fk_event FOREIGN KEY (idevent) REFERENCES event(idevent);
ALTER TABLE ONLY comment
    ADD CONSTRAINT fk_event FOREIGN KEY (event) REFERENCES event(idevent);
ALTER TABLE ONLY report
    ADD CONSTRAINT fk_event FOREIGN KEY (event) REFERENCES event(idevent);
ALTER TABLE ONLY notification
    ADD CONSTRAINT fk_event FOREIGN KEY (event) REFERENCES event(idevent);
ALTER TABLE ONLY friend
    ADD CONSTRAINT fk_event FOREIGN KEY (idf1) REFERENCES member(idmember);
ALTER TABLE ONLY event_eventcategory
    ADD CONSTRAINT fk_eventcategory FOREIGN KEY (ideventcategory) REFERENCES
ALTER TABLE ONLY event_member
    ADD CONSTRAINT fk_member FOREIGN KEY (idmember) REFERENCES member(idmembe
```

```
ALTER TABLE ONLY comment
      ADD CONSTRAINT fk_member FOREIGN KEY (author) REFERENCES member(idmember)
  ALTER TABLE ONLY ticket
      ADD CONSTRAINT fk_member FOREIGN KEY (buyer) REFERENCES member(idmember);
  ALTER TABLE ONLY report
      ADD CONSTRAINT fk_member FOREIGN KEY (reporter) REFERENCES member(idmembe
  ALTER TABLE ONLY notification
      ADD CONSTRAINT fk_member FOREIGN KEY (recipient) REFERENCES member(idmemb
  ALTER TABLE ONLY friend
      ADD CONSTRAINT fk_member FOREIGN KEY (idf2) REFERENCES member(idmember);
  ALTER TABLE ONLY ticket
      ADD CONSTRAINT fk_tickettype FOREIGN KEY (type) REFERENCES tickettype(idt
  ALTER TABLE ONLY report
      ADD CONSTRAINT report_member_fkey FOREIGN KEY (member) REFERENCES member(
  ALTER TABLE ONLY ticket
      ADD CONSTRAINT ticket_idinvoice_fkey FOREIGN KEY (idinvoice) REFERENCES i
4
populate.sql
  -- Data for Name: comment; Type: TABLE DATA; Schema: lbaw1714; Owner: lbaw171
  INSERT INTO comment VALUES (1, 'Unsp comp of fb acc left in body fol unsp pro
  INSERT INTO comment VALUES (2, 'Occup of pk-up/van inj in clsn w rail trn/veh
  INSERT INTO comment VALUES (3, 'Convergence insufficiency', '2017-10-21 06:16
  INSERT INTO comment VALUES (4, 'Unsp inj intrns musc/fasc/tend 1 lit fngr at
  INSERT INTO comment VALUES (5, 'Disp fx of body of scapula, r shldr, 7thG', '
```

INSERT INTO comment VALUES (6, 'Unspecified fracture of shaft of right fibula INSERT INTO comment VALUES (7, 'Displ commnt fx shaft of ulna, 1 arm, 7thE',

```
INSERT INTO comment VALUES (8,
                                'Poisoning by macrolides, intentional self-har
INSERT INTO comment VALUES (9,
                                'Sprain of unspecified parts of lumbar spine a
INSERT INTO comment VALUES (10,
                                 'Chronic gingivitis, non-plaque induced', '20
                                 'Barton''s fx unsp rad, subs for opn fx type
INSERT INTO comment VALUES (11,
                                 'Matern care for damag to fetus from viral di
INSERT INTO comment VALUES (12,
                                 'Congenital mitral stenosis', '2017-09-19 03:
INSERT INTO comment VALUES (13,
                                 'Theater (live) as place', '2018-03-03 23:54:
INSERT INTO comment VALUES (14,
                                 'Varus deformity, not elsewhere classified, e
INSERT INTO comment VALUES (15,
                                 'Unsp fx right femur, subs for opn fx type 3A
INSERT INTO comment VALUES (16,
INSERT INTO comment VALUES (17,
                                 'Osseous and sublux stenos of intvrt foramin
                                 'Disp fx of proximal phalanx of left lesser t
INSERT INTO comment VALUES (18,
                                 'Other dislocation of right wrist and hand, s
INSERT INTO comment VALUES (19,
INSERT INTO comment VALUES (20,
                                 'Other complications of esophagostomy', '2018
INSERT INTO comment VALUES (21,
                                 'Acute nasopharyngitis [common cold]', '2017-
                                 'Corrosion of unspecified degree of right wri
INSERT INTO comment VALUES (22,
                                 'Disp fx of capitate bone, unspecified wrist,
INSERT INTO comment VALUES (23,
                                 'Contact with nonvenomous toads', '2018-01-08
INSERT INTO comment VALUES (24,
INSERT INTO comment VALUES (25,
                                 'Unsp fracture of unsp thoracic vertebra, ini
INSERT INTO comment VALUES (26,
                                 'Displ commnt fx shaft of unsp tibia, 7thD',
                                 'Nondisp fx of neck of r rad, subs for clos f
INSERT INTO comment VALUES (27,
                                 'Injury of optic tract and pathways, unspecif
INSERT INTO comment VALUES (28,
                                 'Corros first deg mult right fingers (nail),
INSERT INTO comment VALUES (29,
INSERT INTO comment VALUES (30,
                                 'Injury of tibial nerve at lower leg level, l
INSERT INTO comment VALUES (31,
                                 'Maternal care for damage to fetus by radiati
                                 'Injury of conjunctiva and corneal abrasion w
INSERT INTO comment VALUES (32,
INSERT INTO comment VALUES (33,
                                 'Mucosal cyst of postmastoidectomy cavity, le
                                 'Nondisplaced apophyseal fracture of unspecif
INSERT INTO comment VALUES (34,
INSERT INTO comment VALUES (35,
                                 'Subacute osteomyelitis, unspecified humerus'
INSERT INTO comment VALUES (36,
                                 'Gammaherpesviral mononucleosis with other co
                                 'Poisoning by oth antihypertensive drugs, und
INSERT INTO comment VALUES (37,
INSERT INTO comment VALUES (38,
                                 'Toxic effect of unspecified seafood, assault
INSERT INTO comment VALUES (39,
                                 'Unspecified sprain of other finger, initial
INSERT INTO comment VALUES (40,
                                 'Sltr-haris Type I physl fx lower end humer,
INSERT INTO comment VALUES (41,
                                 'Infect/inflm react due to int fix of unsp bo
INSERT INTO comment VALUES (42,
                                 'Poisoning by histamine H2-receptor blockers,
INSERT INTO comment VALUES (43,
                                 'Nondisp fx of distal phalanx of r rng fngr,
                                 'Superficial foreign body, left hip, subseque
INSERT INTO comment VALUES (44,
INSERT INTO comment VALUES (45,
                                 'Unspecified dacryocystitis of right lacrimal
                                 'Laceration w/o fb of right cheek and TMJ are
INSERT INTO comment VALUES (46,
                                 'Helicopter collision injuring occupant, init
INSERT INTO comment VALUES (47,
INSERT INTO comment VALUES (48,
                                 'Insect bite (nonvenomous) of scrotum and tes
INSERT INTO comment VALUES (49,
                                 'Prsn brd/alit a 3-whl mv injured in collisio
INSERT INTO comment VALUES (50,
                                 'Sprain of left acromioclavicular joint, init
INSERT INTO comment VALUES (51,
                                 'Acute tonsillitis, unspecified', '2017-05-23
                                 'Cyst of unspecified orbit', '2017-07-21 10:5
INSERT INTO comment VALUES (52,
                                 'Adverse effect of otorhino drugs and prepara
INSERT INTO comment VALUES (53,
INSERT INTO comment VALUES (54,
                                 'Displaced fracture of navicular of left foot
                                 'Diabetes mellitus due to underlying conditio
INSERT INTO comment VALUES (55,
INSERT INTO comment VALUES (56,
                                 'Minor laceration of right vertebral artery',
                                 'Direct infct of shldr jt in infec/parastc di
INSERT INTO comment VALUES (57,
INSERT INTO comment VALUES (58,
                                 'Fx unsp metatarsal bone(s), unsp ft, 7thG',
INSERT INTO comment VALUES (59,
                                 'Pnctr w fb of unsp lesser toe(s) w damage to
                                 'Acne excoriee', '2018-02-10 11:24:10', 10, 1
INSERT INTO comment VALUES (60,
                                 'Superficial foreign body of breast, unsp bre
INSERT INTO comment VALUES (61,
INSERT INTO comment VALUES (62, 'Sltr-haris Type IV physeal fx phalanx of uns
```

```
INSERT INTO comment VALUES (63, 'Corrosion of third degree of unspecified wri
INSERT INTO comment VALUES (64,
                                'Nondisp oblique fx shaft of 1 femr, 7thD', '
INSERT INTO comment VALUES (65,
                                'Injury of trochlear nerve, unspecified side,
INSERT INTO comment VALUES (66,
                                'Complete transverse atyp femoral fracture, 1
INSERT INTO comment VALUES (67, 'Occup of hv veh inj in clsn w rail trn/veh i
                                'Brown-Sequard syndrome at C6, subs', '2017-0
INSERT INTO comment VALUES (68,
INSERT INTO comment VALUES (69, 'Myositis ossificans traumatica, left ankle a
INSERT INTO comment VALUES (70,
                                'Traumatic cerebral edema w LOC of 30 minutes
                                'Puncture wound with foreign body of lip, seq
INSERT INTO comment VALUES (71,
                                'Non-prs chr ulc unsp prt of r low leg limite
INSERT INTO comment VALUES (72,
INSERT INTO comment VALUES (73,
                                'Triplet pregnancy, unable to dtrm num plcnta
INSERT INTO comment VALUES (74,
                               'Struck by nonvenomous lizards', '2017-07-20
INSERT INTO comment VALUES (75,
                                'Anterior dislocation of unsp ulnohumeral joi
INSERT INTO comment VALUES (76, 'Laceration w/o foreign body of unsp finger w
INSERT INTO comment VALUES (77, 'Underdosing of other bacterial vaccines, ini
INSERT INTO comment VALUES (78, 'Superficial frostbite of left knee and lower
                                'Institutional upbringing', '2018-03-08 14:33
INSERT INTO comment VALUES (79,
INSERT INTO comment VALUES (80, 'Laceration of ulnar artery at forarm lv, lef
INSERT INTO comment VALUES (81, 'Minor laceration of left vertebral artery, s
INSERT INTO comment VALUES (82, 'Blister (nonthermal), right hip, subsequent
INSERT INTO comment VALUES (83, 'Presence of other orthopedic joint implants'
INSERT INTO comment VALUES (84, 'Disp fx of nk of 5th MC bone, 1 hand, subs f
INSERT INTO comment VALUES (85, 'Adverse effect of antiallergic and antiemeti
INSERT INTO comment VALUES (86, 'Exceptionally large newborn baby', '2017-07-
INSERT INTO comment VALUES (87, 'Milt op w explosn of sea-based artlry shell,
INSERT INTO comment VALUES (88, 'Other retained radioactive fragments', '2017
INSERT INTO comment VALUES (89, 'Bunionette of unspecified foot', '2017-08-15
INSERT INTO comment VALUES (90, 'Chronic pain syndrome', '2017-05-27 07:52:27
INSERT INTO comment VALUES (91, 'Unsp injury of ulnar artery at forearm level
INSERT INTO comment VALUES (92, 'Displ seg fx shaft of rad, 1 arm, 7thH', '20
INSERT INTO comment VALUES (93, 'Oth injury of peroneal artery, left leg, sub
INSERT INTO comment VALUES (94, 'Disp fx of proximal phalanx of unsp thumb, i
INSERT INTO comment VALUES (95, 'Drown d/t being thrown ovrbrd by motion of m
INSERT INTO comment VALUES (96, 'Pnctr of abd wall w fb, 1 upr q w/o penet pe
INSERT INTO comment VALUES (97, 'Sedative, hypnotic or anxiolytic use, unsp w
INSERT INTO comment VALUES (98, 'Oth physeal fx lower end of r tibia, subs fo
INSERT INTO comment VALUES (99, 'Other injury of fallopian tube, bilateral, s
INSERT INTO comment VALUES (100, 'Wedge comprsn fx third lum vertebra, subs f
```

```
-- Data for Name: community; Type: TABLE DATA; Schema: lbaw1714; Owner: lbaw1
```

```
INSERT INTO community VALUES (1, 'Armstrong-Goldner', 'Extrarenal uremia', '2 INSERT INTO community VALUES (2, 'Feil Group', 'Other specified injuries of c INSERT INTO community VALUES (3, 'Kihn LLC', 'Enophthalmos due to atrophy of INSERT INTO community VALUES (4, 'Hartmann, Powlowski and Koelpin', 'Osteonec INSERT INTO community VALUES (5, 'Nolan and Sons', 'Oth fx shaft of r femr, 7 INSERT INTO community VALUES (6, 'Becker, Weissnat and McClure', 'Accidental INSERT INTO community VALUES (7, 'Hackett Group', 'Addisonian crisis', '2018-INSERT INTO community VALUES (8, 'McClure, Stehr and Ullrich', 'Toxic effect INSERT INTO community VALUES (9, 'Sporer LLC', 'Motorcycle rider injured pick INSERT INTO community VALUES (10, 'Klein, Rowe and Armstrong', 'Chronic postr INSERT INTO community VALUES (11, 'Sporer Group', 'Mech compl of aortic (bifu
```

```
'Johnston, Considine and Thompson', 'Unsp n
INSERT INTO community VALUES (12,
INSERT INTO community VALUES (13,
                                   'Huels-Runolfsson', 'Cellulitis of left orb
INSERT INTO community VALUES (14,
                                   'Rohan Inc', 'Oth diab with diab macular ed
INSERT INTO community VALUES (15,
                                   'Hegmann-Treutel', 'Gastrointestinal anthra
INSERT INTO community VALUES (16,
                                   'Littel, Ruecker and Stroman', 'Infect/infl
                                   'Walsh-Homenick', 'Acute gastric ulcer with
INSERT INTO community VALUES (17,
INSERT INTO community VALUES (18,
                                   'Ward Group', 'Underdosing of stimulant lax
INSERT INTO community VALUES (19,
                                   'Erdman Group', 'Drown due to fall/jump fr
INSERT INTO community VALUES (20,
                                   'Hermann, Ferry and Wilkinson', 'Nondisp co
INSERT INTO community VALUES (21,
                                   'Treutel, Bergstrom and Shanahan', 'Pelvic
INSERT INTO community VALUES (22,
                                   'Watsica, Block and Torp', 'Displacement of
INSERT INTO community VALUES (23,
                                   'Schultz Group', 'Oth diabetes mellitus w p
INSERT INTO community VALUES (24,
                                   'Mitchell, Reilly and Hand', 'Malar fractur
INSERT INTO community VALUES (25,
                                   'Marvin-Lockman', 'Salpingitis and oophorit
INSERT INTO community VALUES (26,
                                   'Rolfson, Hills and Goyette', 'Major lacera
                                   'Koch and Sons', 'Driver injured in collisi
INSERT INTO community VALUES (27,
                                   'Steuber Group', 'GaleazziNULLs fx r rad, s
INSERT INTO community VALUES (28,
INSERT INTO community VALUES (29,
                                   'Ernser-Baumbach', 'Displ seg fx shaft of l
INSERT INTO community VALUES (30,
                                   'Tremblay, Zieme and Bauch', 'Other myositi
INSERT INTO community VALUES (31,
                                   'Lesch-Orn', 'Other contact with other fish
INSERT INTO community VALUES (32,
                                   'Beatty, Ledner and Metz', 'Subluxation of
INSERT INTO community VALUES (33,
                                   'Gorczany, Hegmann and Herman', 'Sprain of
INSERT INTO community VALUES (34,
                                   'Harris, Lindgren and Auer', 'Passenger on
INSERT INTO community VALUES (35,
                                   'Smith LLC', 'Corrosion of right eye and ad
INSERT INTO community VALUES (36,
                                   'Rippin, Beatty and Berge', 'Unsp infection
INSERT INTO community VALUES (37,
                                   'Hane Inc', 'Laceration of lesser saphenous
                                   'Spinka LLC', 'Contusion of left front wall
INSERT INTO community VALUES (38,
INSERT INTO community VALUES (39,
                                   'Haley-Halvorson', 'Paracoccidioidomycosis,
                                   'Lynch-Wilderman', 'Other secondary chronic
INSERT INTO community VALUES (40,
                                   'ONULLConner Inc', 'Rosacea, unspecified',
INSERT INTO community VALUES (41,
INSERT INTO community VALUES (42,
                                   'MacGyver-Christiansen', 'Incomplete lesion
INSERT INTO community VALUES (43,
                                   'ONULLReilly-King', 'Mech compl of unspecif
INSERT INTO community VALUES (44,
                                   'Dickinson-Botsford', 'Cutaneous anthrax',
INSERT INTO community VALUES (45,
                                   'Buckridge, Kohler and Feest', 'Milt op w e
INSERT INTO community VALUES (46,
                                   'Denesik, Hintz and Powlowski', 'Corrosions
                                  'Hudson, Bartoletti and Bogan', 'Bitten by
INSERT INTO community VALUES (47,
INSERT INTO community VALUES (48,
                                  'Christiansen, Douglas and Aufderhar', 'Dis
INSERT INTO community VALUES (49,
                                  'Kuhlman Group', 'Disp fx of med condyle of
INSERT INTO community VALUES (50, 'Smith, Labadie and Morissette', 'Juvenile
-- Data for Name: community_communitycategory; Type: TABLE DATA; Schema: lbaw
INSERT INTO community_communitycategory VALUES (29, 8);
INSERT INTO community_communitycategory VALUES (16, 6);
INSERT INTO community_communitycategory VALUES (42, 3);
INSERT INTO community_communitycategory VALUES (48, 11);
INSERT INTO community_communitycategory VALUES (27, 12);
INSERT INTO community_communitycategory VALUES (8, 3);
INSERT INTO community_communitycategory VALUES (32, 4);
INSERT INTO community_communitycategory VALUES (16, 12);
INSERT INTO community_communitycategory VALUES (2, 7);
```

INSERT INTO community\_communitycategory VALUES (31, 9);

```
INSERT INTO community_communitycategory VALUES (19, 5);
INSERT INTO community_communitycategory VALUES (37, 5);
INSERT INTO community_communitycategory VALUES (49, 5);
INSERT INTO community_communitycategory VALUES (13, 3);
INSERT INTO community_communitycategory VALUES (3, 4);
INSERT INTO community_communitycategory VALUES (3, 7);
INSERT INTO community_communitycategory VALUES (48, 6);
INSERT INTO community_communitycategory VALUES (24, 9);
INSERT INTO community_communitycategory VALUES (3, 6);
INSERT INTO community_communitycategory VALUES (23, 3);
INSERT INTO community_communitycategory VALUES (33, 8);
INSERT INTO community_communitycategory VALUES (35, 7);
INSERT INTO community_communitycategory VALUES (24, 3);
INSERT INTO community_communitycategory VALUES (6, 10);
INSERT INTO community_communitycategory VALUES (5, 9);
INSERT INTO community_communitycategory VALUES (4, 11);
INSERT INTO community_communitycategory VALUES (30, 6);
INSERT INTO community_communitycategory VALUES (26, 9);
INSERT INTO community_communitycategory VALUES (39, 5);
INSERT INTO community_communitycategory VALUES (15, 11);
INSERT INTO community_communitycategory VALUES (29, 2);
INSERT INTO community_communitycategory VALUES (40, 1);
INSERT INTO community_communitycategory VALUES (7, 8);
INSERT INTO community_communitycategory VALUES (24, 7);
INSERT INTO community_communitycategory VALUES (8, 12);
INSERT INTO community_communitycategory VALUES (12, 12);
INSERT INTO community_communitycategory VALUES (19, 2);
INSERT INTO community_communitycategory VALUES (44, 6);
INSERT INTO community_communitycategory VALUES (45, 7);
INSERT INTO community_communitycategory VALUES (7, 10);
INSERT INTO community_communitycategory VALUES (29, 9);
INSERT INTO community_communitycategory VALUES (16, 1);
INSERT INTO community_communitycategory VALUES (7, 1);
INSERT INTO community_communitycategory VALUES (45, 1);
INSERT INTO community_communitycategory VALUES (41, 1);
INSERT INTO community_communitycategory VALUES (48, 1);
INSERT INTO community_communitycategory VALUES (8, 9);
INSERT INTO community_communitycategory VALUES (5, 11);
INSERT INTO community_communitycategory VALUES (10, 5);
INSERT INTO community_communitycategory VALUES (49, 2);
INSERT INTO community_communitycategory VALUES (23, 5);
INSERT INTO community_communitycategory VALUES (3, 8);
INSERT INTO community_communitycategory VALUES (13, 12);
INSERT INTO community_communitycategory VALUES (47, 10);
INSERT INTO community_communitycategory VALUES (37, 3);
INSERT INTO community_communitycategory VALUES (42, 2);
INSERT INTO community_communitycategory VALUES (45, 3);
INSERT INTO community_communitycategory VALUES (48, 12);
INSERT INTO community_communitycategory VALUES (4, 9);
INSERT INTO community_communitycategory VALUES (44, 3);
INSERT INTO community_communitycategory VALUES (23, 1);
INSERT INTO community_communitycategory VALUES (12, 1);
INSERT INTO community_communitycategory VALUES (5, 7);
INSERT INTO community_communitycategory VALUES (9, 11);
INSERT INTO community_communitycategory VALUES (1, 9);
```

```
INSERT INTO community_communitycategory VALUES (49, 6);
INSERT INTO community_communitycategory VALUES (34, 9);
INSERT INTO community_communitycategory VALUES (6, 6);
INSERT INTO community_communitycategory VALUES (20, 4);
INSERT INTO community_communitycategory VALUES (5, 1);
INSERT INTO community_communitycategory VALUES (42, 12);
INSERT INTO community_communitycategory VALUES (46, 4);
INSERT INTO community_communitycategory VALUES (39, 7);
INSERT INTO community_communitycategory VALUES (21, 11);
INSERT INTO community_communitycategory VALUES (9, 12);
INSERT INTO community_communitycategory VALUES (39, 3);
INSERT INTO community_communitycategory VALUES (9, 4);
INSERT INTO community_communitycategory VALUES (2, 5);
INSERT INTO community_communitycategory VALUES (6, 1);
INSERT INTO community_communitycategory VALUES (2, 10);
INSERT INTO community_communitycategory VALUES (32, 12);
INSERT INTO community_communitycategory VALUES (44, 12);
INSERT INTO community_communitycategory VALUES (43, 7);
INSERT INTO community_communitycategory VALUES (11, 2);
INSERT INTO community_communitycategory VALUES (18, 1);
INSERT INTO community_communitycategory VALUES (46, 8);
INSERT INTO community_communitycategory VALUES (3, 1);
INSERT INTO community_communitycategory VALUES (25, 2);
INSERT INTO community_communitycategory VALUES (31, 3);
INSERT INTO community_communitycategory VALUES (38, 3);
INSERT INTO community_communitycategory VALUES (22, 12);
-- Data for Name: community_member; Type: TABLE DATA; Schema: lbaw1714; Owner
INSERT INTO community_member VALUES (16, 22, true);
INSERT INTO community_member VALUES (15, 61, false);
INSERT INTO community_member VALUES (30, 93, true);
INSERT INTO community_member VALUES (48, 34, false);
INSERT INTO community_member VALUES (14, 41, true);
INSERT INTO community_member VALUES (6, 6, false);
INSERT INTO community_member VALUES (25, 82, false);
INSERT INTO community_member VALUES (28, 37, true);
INSERT INTO community_member VALUES (9, 21, true);
INSERT INTO community_member VALUES (3, 75, true);
INSERT INTO community_member VALUES (29, 86, true);
INSERT INTO community_member VALUES (21, 94, false);
INSERT INTO community_member VALUES (29, 19, false);
INSERT INTO community_member VALUES (21, 4, false);
INSERT INTO community_member VALUES (30, 38, true);
INSERT INTO community_member VALUES (24, 60, true);
INSERT INTO community_member VALUES (23, 20, true);
INSERT INTO community_member VALUES (39, 57, false);
INSERT INTO community_member VALUES (42, 66, true);
INSERT INTO community_member VALUES (5, 97, false);
INSERT INTO community_member VALUES (8, 58, true);
INSERT INTO community_member VALUES (19, 12, false);
INSERT INTO community_member VALUES (3, 5, true);
```

```
INSERT INTO community_member VALUES (28, 53, false);
INSERT INTO community_member VALUES (1, 34, true);
INSERT INTO community_member VALUES (21, 53, true);
INSERT INTO community_member VALUES (42, 8, false);
INSERT INTO community_member VALUES (17, 97, true);
INSERT INTO community_member VALUES (23, 79, false);
INSERT INTO community_member VALUES (29, 14, false);
INSERT INTO community_member VALUES (2, 30, false);
INSERT INTO community_member VALUES (37, 4, false);
INSERT INTO community_member VALUES (14, 89, false);
INSERT INTO community_member VALUES (23, 93, false);
INSERT INTO community_member VALUES (4, 28, true);
INSERT INTO community_member VALUES (35, 61, false);
INSERT INTO community_member VALUES (22, 41, false);
INSERT INTO community_member VALUES (12, 88, true);
INSERT INTO community_member VALUES (42, 93, true);
INSERT INTO community_member VALUES (12, 14, false);
INSERT INTO community_member VALUES (9, 86, false);
INSERT INTO community_member VALUES (23, 10, true);
INSERT INTO community_member VALUES (32, 68, false);
INSERT INTO community_member VALUES (5, 24, false);
INSERT INTO community_member VALUES (18, 25, false);
INSERT INTO community_member VALUES (40, 17, false);
INSERT INTO community_member VALUES (39, 3, false);
INSERT INTO community_member VALUES (3, 92, true);
INSERT INTO community_member VALUES (45, 46, false);
INSERT INTO community_member VALUES (49, 52, true);
INSERT INTO community_member VALUES (18, 7, false);
INSERT INTO community_member VALUES (36, 63, true);
INSERT INTO community_member VALUES (18, 40, true);
INSERT INTO community_member VALUES (34, 93, false);
INSERT INTO community_member VALUES (4, 48, true);
INSERT INTO community_member VALUES (48, 65, false);
INSERT INTO community_member VALUES (25, 59, false);
INSERT INTO community_member VALUES (50, 39, true);
INSERT INTO community_member VALUES (33, 55, true);
INSERT INTO community_member VALUES (33, 4, true);
INSERT INTO community_member VALUES (9, 44, false);
INSERT INTO community_member VALUES (34, 42, false);
INSERT INTO community_member VALUES (47, 31, true);
INSERT INTO community_member VALUES (19, 32, false);
INSERT INTO community_member VALUES (6, 9, true);
INSERT INTO community_member VALUES (28, 46, false);
INSERT INTO community_member VALUES (7, 10, true);
INSERT INTO community_member VALUES (24, 91, true);
INSERT INTO community_member VALUES (43, 20, true);
INSERT INTO community_member VALUES (16, 92, true);
INSERT INTO community_member VALUES (3, 50, false);
INSERT INTO community_member VALUES (49, 82, true);
INSERT INTO community_member VALUES (13, 15, true);
INSERT INTO community_member VALUES (13, 26, true);
INSERT INTO community_member VALUES (30, 78, false);
INSERT INTO community_member VALUES (29, 29, false);
INSERT INTO community_member VALUES (16, 14, false);
INSERT INTO community member VALUES (4, 5, false);
```

```
INSERT INTO community_member VALUES (4, 57, true);
INSERT INTO community_member VALUES (11, 61, false);
INSERT INTO community_member VALUES (17, 18, true);
INSERT INTO community_member VALUES (48, 2, true);
INSERT INTO community_member VALUES (22, 67, true);
INSERT INTO community_member VALUES (28, 51, true);
INSERT INTO community_member VALUES (12, 63, false);
INSERT INTO community_member VALUES (35, 66, true);
INSERT INTO community_member VALUES (12, 27, true);
INSERT INTO community_member VALUES (45, 82, false);
INSERT INTO community_member VALUES (15, 60, true);
INSERT INTO community_member VALUES (47, 47, true);
INSERT INTO community_member VALUES (9, 17, true);
INSERT INTO community_member VALUES (14, 12, true);
INSERT INTO community_member VALUES (22, 64, true);
INSERT INTO community_member VALUES (42, 46, false);
INSERT INTO community_member VALUES (30, 42, true);
INSERT INTO community_member VALUES (36, 75, false);
-- Data for Name: communitycategory; Type: TABLE DATA; Schema: lbaw1714; Owne
INSERT INTO communitycategory VALUES (1, 'cozinha');
INSERT INTO communitycategory VALUES (2, 'musica');
INSERT INTO communitycategory VALUES (3, 'vendas');
INSERT INTO communitycategory VALUES (4, 'exercito');
INSERT INTO communitycategory VALUES (5, 'trabalho');
INSERT INTO communitycategory VALUES (6, 'vinhos');
INSERT INTO communitycategory VALUES (7, 'jardim');
INSERT INTO communitycategory VALUES (8, 'restauração');
INSERT INTO communitycategory VALUES (9, 'animais');
INSERT INTO communitycategory VALUES (10, 'feminitas');
INSERT INTO communitycategory VALUES (11, 'masculos');
INSERT INTO communitycategory VALUES (12, 'desporto');
-- Data for Name: event; Type: TABLE DATA; Schema: lbaw1714; Owner: lbaw1714
INSERT INTO event VALUES (2, 'Distributed secondary forecast', 'Unspecified s
INSERT INTO event VALUES (3, 'Multi-tiered directional contingency', 'Nondisp
INSERT INTO event VALUES (4, 'Decentralized 3rd generation data-warehouse', '
INSERT INTO event VALUES (5, 'Exclusive non-volatile parallelism', 'Other def
INSERT INTO event VALUES (6, 'Grass-roots eco-centric projection', 'Sprain of
INSERT INTO event VALUES (7, 'Assimilated user-facing structure', 'Driver of
INSERT INTO event VALUES (8, 'User-friendly eco-centric matrix', 'Other physe
INSERT INTO event VALUES (9, 'Vision-oriented bottom-line archive', 'Other sp
INSERT INTO event VALUES (10, 'Centralized multi-state definition', 'Sprain o
INSERT INTO event VALUES (11, 'Configurable radical encoding', 'Primary blast
INSERT INTO event VALUES (12, 'Visionary high-level alliance', 'Neoplasm of u
INSERT INTO event VALUES (13, 'Managed grid-enabled function', 'Burn of first
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INSERT INTO event VALUES (15, 'Integrated contextually-based strategy', 'Unsp
INSERT INTO event VALUES (16, 'Compatible hybrid system engine', 'Other speci
INSERT INTO event VALUES (17, 'Open-architected disintermediate migration', '
INSERT INTO event VALUES (18, 'Customizable stable implementation', 'Sltr-har
INSERT INTO event VALUES (19, 'Polarised next generation neural-net', 'Monoar
INSERT INTO event VALUES (20, 'Self-enabling 3rd generation database', 'Unsp
INSERT INTO event VALUES (21, 'Programmable content-based local area network'
INSERT INTO event VALUES (22, 'Vision-oriented 24 hour workforce', 'Animal-ri
INSERT INTO event VALUES (23, 'Programmable actuating frame', 'Abnormal inner
INSERT INTO event VALUES (24, 'Robust uniform conglomeration', 'Burn of first
INSERT INTO event VALUES (25, 'Operative composite frame', 'Disp fx of latera
INSERT INTO event VALUES (26, 'Profound dynamic portal', 'Laceration of musc/
INSERT INTO event VALUES (27, 'Cross-platform mission-critical instruction se
INSERT INTO event VALUES (28, 'Innovative bifurcated application', 'Laceratio
INSERT INTO event VALUES (29, 'Networked mission-critical paradigm', 'Displac
INSERT INTO event VALUES (30, 'Devolved responsive system engine', 'Strabismi
INSERT INTO event VALUES (31, 'Stand-alone neutral project', 'Oth demyelinati
INSERT INTO event VALUES (32, 'Secured discrete adapter', 'Oth traumatic disp
INSERT INTO event VALUES (33, 'Seamless zero administration contingency', 'Di
INSERT INTO event VALUES (34, 'Multi-channelled exuding function', 'Toxic eff
INSERT INTO event VALUES (35, 'Innovative needs-based protocol', 'Overweight INSERT INTO event VALUES (36, 'Team-oriented optimal process improvement', 'B
INSERT INTO event VALUES (37, 'Synchronised empowering flexibility', 'Zygomat
INSERT INTO event VALUES (38, 'Innovative reciprocal pricing structure', 'Non
INSERT INTO event VALUES (39, 'User-centric upward-trending budgetary managem
INSERT INTO event VALUES (40, 'Vision-oriented next generation analyzer', 'La
INSERT INTO event VALUES (41, 'Intuitive transitional concept', 'Unspecified
INSERT INTO event VALUES (42, 'Future-proofed motivating matrix', 'Occup of p
INSERT INTO event VALUES (43, 'Cloned didactic project', 'Nondisp associated
INSERT INTO event VALUES (44, 'Networked regional challenge', 'Laceration of
INSERT INTO event VALUES (45, 'Robust tertiary Graphical User Interface', 'Me
INSERT INTO event VALUES (46, 'Balanced responsive alliance', 'Nondisp unsp f
INSERT INTO event VALUES (47, 'Reverse-engineered dynamic open architecture',
INSERT INTO event VALUES (48, 'Universal directional customer loyalty', 'Asph
INSERT INTO event VALUES (49, 'Ergonomic composite hierarchy', 'Sprain of int
INSERT INTO event VALUES (50, 'Virtual holistic infrastructure', 'Unspecified
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INSERT INTO event VALUES (51, 'Easter Party', 'The brand new party for this E
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INSERT INTO event_eventcategory VALUES (38, 2);
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INSERT INTO event\_eventcategory VALUES (35, 2);
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INSERT INTO event_eventcategory VALUES (32, 7);
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INSERT INTO event_eventcategory VALUES (38, 3);
INSERT INTO event_eventcategory VALUES (31, 7);
-- Data for Name: event_member; Type: TABLE DATA; Schema: lbaw1714; Owner: lb
INSERT INTO event_member VALUES (21, 43, true);
INSERT INTO event_member VALUES (16, 12, false);
INSERT INTO event_member VALUES (22, 71, false);
INSERT INTO event_member VALUES (17, 2, true);
INSERT INTO event_member VALUES (44, 48, false);
INSERT INTO event_member VALUES (44, 26, false);
INSERT INTO event_member VALUES (10, 34, false);
INSERT INTO event_member VALUES (12, 53, true);
INSERT INTO event_member VALUES (48, 71, false);
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INSERT INTO event_member VALUES (3, 77, true);
INSERT INTO event_member VALUES (17, 43, true);
INSERT INTO event_member VALUES (29, 84, false);
INSERT INTO event_member VALUES (46, 85, false);
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INSERT INTO event_member VALUES (13, 90, true);
INSERT INTO event_member VALUES (35, 72, false);
INSERT INTO event_member VALUES (32, 72, false);
INSERT INTO event_member VALUES (10, 98, false);
INSERT INTO event_member VALUES (35, 1, true);
INSERT INTO event_member VALUES (24, 7, false);
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INSERT INTO event_member VALUES (16, 18, false);
INSERT INTO event_member VALUES (17, 6, true);
INSERT INTO event_member VALUES (35, 70, false);
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INSERT INTO event_member VALUES (23, 38, true);
INSERT INTO event_member VALUES (45, 83, true);
INSERT INTO event_member VALUES (31, 7, false);
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INSERT INTO event_member VALUES (36, 8, false);
INSERT INTO event_member VALUES (4, 57, true);
INSERT INTO event_member VALUES (25, 53, true);
INSERT INTO event_member VALUES (32, 56, false);
INSERT INTO event_member VALUES (43, 59, false);
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INSERT INTO event_member VALUES (38, 50, true);
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INSERT INTO eventcategory VALUES (2, 'musica');
INSERT INTO eventcategory VALUES (3, 'cozinha');
INSERT INTO eventcategory VALUES (4, 'politica');
INSERT INTO eventcategory VALUES (5, 'vinhos');
INSERT INTO eventcategory VALUES (6, 'palestra');
INSERT INTO eventcategory VALUES (7, 'empresarial');
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INSERT INTO invoice VALUES (3, 154498197, 'Caesar Lindgren', '44 Stuart Cente
INSERT INTO invoice VALUES (4, 838104206, 'Melisenda Chavez', '73 Manley Hill
INSERT INTO invoice VALUES (5, 300871463, 'Elane Pollie', '797 Farwell Circle
INSERT INTO invoice VALUES (6, 106546414, 'Eadmund Gulk', '79096 Kropf Pass',
INSERT INTO invoice VALUES (7, 253909640, 'Lorrayne Titchen', '658 Jenifer Pl
INSERT INTO invoice VALUES (8, 504546841, 'Augustine Mathevon', '0 Northview
INSERT INTO invoice VALUES (9, 692027672, 'Fleurette Jentges', '6357 Claremon
INSERT INTO invoice VALUES (10, 177207424, 'Sharia Sommers', '4014 Lakeland L
INSERT INTO invoice VALUES (11, 107945574, 'Pammi Carmont', '23 Washington Co
INSERT INTO invoice VALUES (12, 140660896, 'Amaleta Petrelli', '4 Thackeray A
INSERT INTO invoice VALUES (13, 776730732, 'Lurleen Swinglehurst', '2682 Prai
INSERT INTO invoice VALUES (14, 415830194, 'Dorisa Bernocchi', '71 Packers Pl
INSERT INTO invoice VALUES (15, 241800347, 'Vergil Gammet', '7759 Cody Park',
INSERT INTO invoice VALUES (16, 385974995, 'Norris Andriolli', '5 Lakewood Ga
INSERT INTO invoice VALUES (17, 580766701, 'Krissy Barthelemy', '96 Nevada Dr
INSERT INTO invoice VALUES (18, 634619738, 'Vinni Mcmanaman', '8 Glendale Hil
INSERT INTO invoice VALUES (19, 703780590, 'Skelly Aylward', '16 Talmadge Cen INSERT INTO invoice VALUES (20, 267207308, 'Eugenie Bidwell', '0 Florence Cir
INSERT INTO invoice VALUES (21, 968705070, 'Atalanta Treece', '90 Starling Hi
INSERT INTO invoice VALUES (22, 619803979, 'Ingelbert Brooksbank', '202 Bunke
INSERT INTO invoice VALUES (23, 412129924, 'Modesty Bamblett', '224 Boyd Plac
INSERT INTO invoice VALUES (24, 374221892, 'Imogen Okroy', '432 Gina Terrace'
INSERT INTO invoice VALUES (25, 110684619, 'Danila Cowie', '3 Ronald Regan St
INSERT INTO invoice VALUES (26, 712833507, 'Riannon Dutteridge', '41 Larry Hi
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INSERT INTO invoice VALUES (27, 418434690, 'Norby Coleyshaw', '7 Red Cloud Ce
INSERT INTO invoice VALUES (28, 343101692, 'Terrie Larway', '8 Monument Trail
INSERT INTO invoice VALUES (29, 861344177, 'Florette Kliesl', '30 Alpine Hill
INSERT INTO invoice VALUES (30, 433615381, 'Karyn Beumant', '58132 Waxwing Pa
INSERT INTO invoice VALUES (31, 193787519, 'Aharon Grishenkov', '64 Ludington
INSERT INTO invoice VALUES (32, 951894666, 'Etti Wakes', '79 Ohio Way', 92, 6
INSERT INTO invoice VALUES (33, 372757092, 'Zondra Bretelle', '1963 Haas Junc
INSERT INTO invoice VALUES (34, 646613427, 'Bernhard Mangion', '30 Victoria C
INSERT INTO invoice VALUES (35, 616697366, 'Bettye Bubbings', '939 Knutson Hi
INSERT INTO invoice VALUES (36, 599792408, 'Sig Bigglestone', '75 Thierer Lan
INSERT INTO invoice VALUES (37, 225593120, 'Zaria Dooney', '97 Iowa Drive', 8
INSERT INTO invoice VALUES (38, 738609737, 'Gilberta Trembath', '29 Porter Pa
INSERT INTO invoice VALUES (39, 329434335, 'Magdaia Espinos', '13 Shoshone Po
INSERT INTO invoice VALUES (40, 642374313, 'Abel Tyndall', '334 Truax Street'
INSERT INTO invoice VALUES (41, 905443854, 'Benedick Speirs', '1 Kedzie Pass'
INSERT INTO invoice VALUES (42, 559898796, 'Bartolemo Cud', '5 Cherokee Stree
INSERT INTO invoice VALUES (43, 145505148, 'Morton Boneham', '86770 Monica Pa
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INSERT INTO invoice VALUES (48, 997094639, 'Rory Poltone', '4 Mayfield Pass', INSERT INTO invoice VALUES (49, 786265510, 'Arvin Cobbin', '6 Coleman Street'
INSERT INTO invoice VALUES (50, 840210925, 'Pen Letham', '39 Ilene Point', 27
INSERT INTO invoice VALUES (51, 922091712, 'Wash Treffrey', '02476 Vahlen Par
INSERT INTO invoice VALUES (52, 650385498, 'Henrietta Aiskrigg', '49 Michigan
INSERT INTO invoice VALUES (53, 387721356, 'Saloma Duckham', '77942 Old Shore
INSERT INTO invoice VALUES (54, 823235806, 'Veronike Moston', '91688 Burning'
INSERT INTO invoice VALUES (55, 867873812, 'Ring Angliss', '50347 Raven Alley
INSERT INTO invoice VALUES (56, 275587345, 'Jerrie Threadgill', '28462 Reinda
INSERT INTO invoice VALUES (57, 747970913, 'Jemmie Ruthen', '5 Carey Parkway'
INSERT INTO invoice VALUES (58, 265201475, 'Fredelia Segrott', '2780 Carpente
INSERT INTO invoice VALUES (59, 958049673, 'Pearl MacElholm', '3732 Southridg
INSERT INTO invoice VALUES (60, 652254506, 'Leonard Fayer', '2680 Dorton Lane
INSERT INTO invoice VALUES (61, 462948103, 'Gardy O''Connel', '50320 Orin Lan
INSERT INTO invoice VALUES (62, 359579286, 'Katha Woodburn', '42720 Sherman W
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INSERT INTO invoice VALUES (64, 301312318, 'Ellyn Wildber', '78786 Basil Cour
INSERT INTO invoice VALUES (65, 727289249, 'Lacie Fossey', '89 Tony Avenue',
INSERT INTO invoice VALUES (66, 447709009, 'Lyndsie Crampin', '8 Pearson Hill
INSERT INTO invoice VALUES (67, 702999020, 'Ulrika Petrosian', '73884 Corscot
INSERT INTO invoice VALUES (68, 643344993, 'Osmond Aguirrezabal', '14611 Jana
INSERT INTO invoice VALUES (69, 186350653, 'Kristyn Sill', '369 Clemons Road'
INSERT INTO invoice VALUES (70, 698448318, 'Kalli Noller', '8 Maple Court', 1
INSERT INTO invoice VALUES (71, 718897364, 'Davita Piet', '8885 Roxbury Stree
INSERT INTO invoice VALUES (72, 935131861, 'Amitie Collard', '335 Starling Cr
INSERT INTO invoice VALUES (73, 877297336, 'Ulric McGrudder', '316 Dexter Ter
INSERT INTO invoice VALUES (74, 176302257, 'Sammie Nield', '54037 Eggendart P INSERT INTO invoice VALUES (75, 490807483, 'Elberta Hynam', '6 Grayhawk Drive
INSERT INTO invoice VALUES (76, 515985325, 'Quintina Prosch', '663 Eastwood T
INSERT INTO invoice VALUES (77, 635013318, 'Ardath Esposito', '80488 Mesta Av
INSERT INTO invoice VALUES (78, 313631026, 'Petronia O''Suaird', '9 Tomscot J
INSERT INTO invoice VALUES (79, 282392246, 'Inge Hodgon', '27 Paget Center',
INSERT INTO invoice VALUES (80, 219085399, 'Randell Sirman', '9 Summerview Ju
INSERT INTO invoice VALUES (81, 482390872, 'Ban Santo', '05 Saint Paul Drive'
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INSERT INTO invoice VALUES (82, 623265805, 'Leonie Harridge', '84 Pierstorff
INSERT INTO invoice VALUES (83, 757873444, 'Kent Tallboy', '48 Bultman Crossi
INSERT INTO invoice VALUES (84, 422082912, 'Garold Balaison', '3 Spenser Trai
INSERT INTO invoice VALUES (85, 703647733, 'Jennie Batch', '555 Judy Alley',
INSERT INTO invoice VALUES (86, 110004228, 'Renee Twell', '427 Leroy Crossing
INSERT INTO invoice VALUES (87, 652301889, 'Belinda Horry', '6388 Pleasure Hi
INSERT INTO invoice VALUES (88, 302832660, 'Deeann Phayre', '132 Old Shore Cr
INSERT INTO invoice VALUES (89, 841281831, 'Kala Peasee', '5575 Boyd Drive',
INSERT INTO invoice VALUES (90, 922884510, 'Dale Mulcock', '76 Mesta Crossing
INSERT INTO invoice VALUES (91, 333683125, 'Maryellen Gelling', 'O Clove Way'
INSERT INTO invoice VALUES (92, 688471128, 'Rancell Cinavas', '30 Lindbergh C
INSERT INTO invoice VALUES (93, 607225970, 'Jereme Tabart', '20 Butterfield C
INSERT INTO invoice VALUES (94, 874473696, 'Deb Wooles', '57840 David Alley',
INSERT INTO invoice VALUES (95, 741961195, 'Elbertina Tratton', '1 Oriole Cen
INSERT INTO invoice VALUES (96, 915176890, 'Harvey Yannikov', '4167 Muir Alle
INSERT INTO invoice VALUES (97, 672223121, 'Brandise Monson', '46458 Clove Cr
INSERT INTO invoice VALUES (98, 911871184, 'Cornelius Scamerden', '1 Scott St
INSERT INTO invoice VALUES (99, 895686372, 'Dulcea Singleton', '14 Jay Avenue
INSERT INTO invoice VALUES (100, 969162988, 'Shelden Jeffcoate', '3730 Vahlen
INSERT INTO invoice VALUES (101, 349542765, 'Stephan Paynes', '43844 Kingsfor
INSERT INTO invoice VALUES (1, 978765929, 'Godwin Rijkeseis', '38 Schiller Pa
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INSERT INTO member VALUES (4, 'Lane Gurden', 'lgurden3', 'iTWnivQ', '2018-03-
INSERT INTO member VALUES (5, 'Darcy Haton', 'dhaton4', '01lyyTgV', '2017-08-
INSERT INTO member VALUES (6, 'Lemar Jeannesson', 'ljeannesson5', 'NqedzvVqJ'
INSERT INTO member VALUES (7, 'Gavan Ianitti', 'gianitti6', 'av4l8a7nV', '201
INSERT INTO member VALUES (8, 'Bradly Syddall', 'bsyddall7', '6zMJrKaoGXAq',
INSERT INTO member VALUES (9, 'Obediah Duester', 'oduester8', '8XgFOZkG', '20
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                                '2018-03-13 03:46:23'
                                                        'Sezary disease', 45, 7
                                                        'Nondisp intertroch fx
INSERT INTO report VALUES (64,
                                '2017-04-29 00:46:33',
INSERT INTO report VALUES (65,
                                                        'Acquired stenosis of r
                                '2017-09-07 15:29:27'
                                                        'Crushing injury of lef
INSERT INTO report VALUES (66,
                                '2017-12-24 23:57:02',
INSERT INTO report VALUES (67,
                                '2017-04-11 06:04:03'
                                                        'Inj unsp musc/fasc/ten
INSERT INTO report VALUES (68,
                                '2017-07-10 19:40:34',
                                                        'Unsp fx low end unsp t
INSERT INTO report VALUES (69,
                                '2017-08-02 06:33:48'
                                                        'Exposure to other inan
INSERT INTO report VALUES (70,
                                                        'Other acquired abnorma
                                '2018-01-11 12:07:49',
                                                        'Displ longitud fx righ
INSERT INTO report VALUES (71,
                                '2017-09-27 02:56:19'
INSERT INTO report VALUES (72,
                                '2017-06-05 22:35:29'
                                                        'Corrosion of respirato
INSERT INTO report VALUES (73,
                                '2018-01-26 01:35:43',
                                                        'Partial traumatic ampu
INSERT INTO report VALUES (74,
                                '2018-02-15 10:59:55',
                                                        'Alcohol abuse with alc
INSERT INTO report VALUES (75,
                                '2017-04-07 20:16:53'
                                                        'Jumping or diving from
INSERT INTO report VALUES (76,
                                '2017-05-22 21:41:53'
                                                        'Maternal care for high
                                                        'Chronic neph syndrome
INSERT INTO report VALUES (77,
                                '2017-04-17 21:41:18',
INSERT INTO report VALUES (78,
                                '2017-06-02 00:48:47'
                                                        'War op w explosn due t
INSERT INTO report VALUES (79,
                                '2017-10-20 02:27:49',
                                                        'Oth disord of continui
INSERT INTO report VALUES (80,
                                                        'Unsp car occupant inju
                                '2018-01-27 13:05:14'
INSERT INTO report VALUES (81,
                                '2017-09-25 07:04:10',
                                                        'Arthritis due to other
INSERT INTO report VALUES (82,
                                '2017-08-20 23:24:42'
                                                        'Unspecified focal chor
INSERT INTO report VALUES (83,
                                '2017-05-16 19:17:42'
                                                        'Prsn brd/alit hv veh i
INSERT INTO report VALUES (84,
                                '2017-04-05 12:23:40'
                                                        'Pigmentary glaucoma, 1
INSERT INTO report VALUES (85,
                                '2017-12-06 18:48:33',
                                                        'Unsp symptoms and sign
INSERT INTO report VALUES (86,
                                '2017-03-28 21:43:27',
                                                        'Ankylosis, right foot'
                                                        'Unspecified open wound
INSERT INTO report VALUES (87,
                                '2018-03-13 06:04:50',
INSERT INTO report VALUES (88,
                                '2017-09-09 16:56:52',
                                                        'Mtrcy passenger injure
INSERT INTO report VALUES (89,
                                '2017-05-14 22:51:29',
                                                        'Traum hemor left cereb
INSERT INTO report VALUES (90,
                                '2017-11-08 17:28:05',
                                                        'Zoster with other nerv
```

```
INSERT INTO report VALUES (91, '2017-12-23 02:15:31', 'Matern care for oth or
INSERT INTO report VALUES (92, '2018-02-07 09:16:30', 'Anesthesia and hypoest
INSERT INTO report VALUES (93, '2017-07-19 03:26:58', 'Anaphylactic shock, un
INSERT INTO report VALUES (94, '2017-03-29 21:55:38', 'Derang of ant horn of
INSERT INTO report VALUES (95, '2017-06-01 05:20:57', 'Strain of musc/tend pe
INSERT INTO report VALUES (96, '2017-12-02 11:45:17', 'Unsp fx shaft of r tib
INSERT INTO report VALUES (97, '2018-01-06 10:45:43', 'Unsp fx second MC bone
INSERT INTO report VALUES (98, '2017-11-07 21:06:56', 'Open bite of left inde
INSERT INTO report VALUES (99, '2017-10-12 13:12:36', 'Parasitic cyst of iris
INSERT INTO report VALUES (100, '2017-05-24 06:00:54', 'Unsp inj musc/tend po
-- Data for Name: ticket; Type: TABLE DATA; Schema: lbaw1714; Owner: lbaw1714
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INSERT INTO ticket VALUES (2, 40, 38, 68);
INSERT INTO ticket VALUES (3, 5, 67, 12);
INSERT INTO ticket VALUES (4, 45, 86, 53);
INSERT INTO ticket VALUES (5, 23, 69, 7);
INSERT INTO ticket VALUES (6, 47, 25, 83);
INSERT INTO ticket VALUES (7, 26, 20, 60);
INSERT INTO ticket VALUES (8, 3, 52, 29);
INSERT INTO ticket VALUES (9, 5, 88, 36);
INSERT INTO ticket VALUES (10, 19, 95, 35);
INSERT INTO ticket VALUES (11, 14, 16, 6);
INSERT INTO ticket VALUES (12, 34, 60, 31);
INSERT INTO ticket VALUES (14, 25, 18, 58);
INSERT INTO ticket VALUES (15, 44, 26, 3);
INSERT INTO ticket VALUES (16, 3, 9, 39);
INSERT INTO ticket VALUES (17, 16, 95, 55);
INSERT INTO ticket VALUES (18, 40, 67, 39);
INSERT INTO ticket VALUES (20, 19, 2, 20);
INSERT INTO ticket VALUES (21, 36, 20, 43);
INSERT INTO ticket VALUES (22, 24, 73, 53);
INSERT INTO ticket VALUES (23, 3, 18, 50);
INSERT INTO ticket VALUES (24, 32, 27, 37);
INSERT INTO ticket VALUES (25, 19, 12, 72);
INSERT INTO ticket VALUES (27, 44, 14, 65);
INSERT INTO ticket VALUES (28, 36, 23, 22);
INSERT INTO ticket VALUES (29, 12, 27, 65);
INSERT INTO ticket VALUES (30, 23, 100, 63);
INSERT INTO ticket VALUES (31, 35, 15, 73);
INSERT INTO ticket VALUES (32, 24, 76, 52);
INSERT INTO ticket VALUES (33, 47, 90, 5);
INSERT INTO ticket VALUES (34, 29, 79, 50);
INSERT INTO ticket VALUES (35, 49, 30, 34);
INSERT INTO ticket VALUES (36, 49, 18, 11);
INSERT INTO ticket VALUES (37, 44, 42, 22);
INSERT INTO ticket VALUES (38, 42, 1, 81);
INSERT INTO ticket VALUES (39, 6, 64, 40);
INSERT INTO ticket VALUES (40, 48, 53, 15);
INSERT INTO ticket VALUES (41, 25, 86, 54);
```

INSERT INTO ticket VALUES (42, 43, 68, 76);

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INSERT INTO ticket VALUES (43, 5, 49, 35);
INSERT INTO ticket VALUES (44, 14, 68, 28);
INSERT INTO ticket VALUES (45, 27, 33, 11);
INSERT INTO ticket VALUES (47, 28, 84, 46);
INSERT INTO ticket VALUES (48, 39, 33, 46);
INSERT INTO ticket VALUES (49, 28, 71, 75);
INSERT INTO ticket VALUES (50, 23, 33, 38);
INSERT INTO ticket VALUES (51, 12, 96, 1);
INSERT INTO ticket VALUES (52, 8, 84, 80);
INSERT INTO ticket VALUES (53, 27, 14, 52);
INSERT INTO ticket VALUES (54, 31, 91, 60);
INSERT INTO ticket VALUES (55, 21, 54, 67);
INSERT INTO ticket VALUES (56, 1, 60, 29);
INSERT INTO ticket VALUES (57, 41, 84, 96);
INSERT INTO ticket VALUES (58, 6, 67, 94);
INSERT INTO ticket VALUES (59, 30, 73, 20);
INSERT INTO ticket VALUES (60, 38, 16, 86);
INSERT INTO ticket VALUES (61, 45, 14, 20);
INSERT INTO ticket VALUES (62, 21, 65, 41);
INSERT INTO ticket VALUES (63, 31, 2, 79);
INSERT INTO ticket VALUES (64, 43, 95, 80);
INSERT INTO ticket VALUES (65, 2, 50, 28);
INSERT INTO ticket VALUES (66, 44, 52, 18);
INSERT INTO ticket VALUES (67, 28, 76, 95);
INSERT INTO ticket VALUES (68, 40, 62, 20);
INSERT INTO ticket VALUES (69, 23, 27, 22);
INSERT INTO ticket VALUES (70, 12, 73, 37);
INSERT INTO ticket VALUES (71, 37, 52, 93);
INSERT INTO ticket VALUES (72, 4, 78, 43);
INSERT INTO ticket VALUES (73, 45, 94, 59);
INSERT INTO ticket VALUES (74, 29, 18, 99);
INSERT INTO ticket VALUES (75, 48, 62, 77);
INSERT INTO ticket VALUES (76, 12, 3, 5);
INSERT INTO ticket VALUES (77, 31, 9, 77);
INSERT INTO ticket VALUES (78, 14, 50, 38);
INSERT INTO ticket VALUES (79, 38, 17, 26);
INSERT INTO ticket VALUES (80, 22, 82, 3);
INSERT INTO ticket VALUES (81, 45, 41, 28);
INSERT INTO ticket VALUES (82, 23, 45, 60);
INSERT INTO ticket VALUES (83, 47, 9, 94);
INSERT INTO ticket VALUES (84, 27, 55, 71);
INSERT INTO ticket VALUES (85, 45, 57, 66);
INSERT INTO ticket VALUES (86, 49, 40, 14);
INSERT INTO ticket VALUES (87, 1, 48, 60);
INSERT INTO ticket VALUES (88, 41, 43, 75);
INSERT INTO ticket VALUES (89, 13, 81, 91);
INSERT INTO ticket VALUES (90, 3, 68, 66);
INSERT INTO ticket VALUES (92, 30, 60, 67);
INSERT INTO ticket VALUES (93, 47, 41, 75);
INSERT INTO ticket VALUES (94, 36, 70, 94);
INSERT INTO ticket VALUES (95, 40, 26, 6);
INSERT INTO ticket VALUES (96, 49, 63, 80);
INSERT INTO ticket VALUES (98, 25, 58, 49);
INSERT INTO ticket VALUES (99, 6, 22, 91);
INSERT INTO ticket VALUES (100, 31, 23, 64);
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---- Data for Name: tickettype; Type: TABLE DATA; Schema: lbaw1714; Owner: lbaw

- -

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INSERT INTO tickettype VALUES (1, 3, 87.68999999999977, 5205, 4039, 'Diabet
INSERT INTO tickettype VALUES (2, 3, 62.810000000000003, 3404, 1967, 'Congen
INSERT INTO tickettype VALUES (3, 2, 90.46999999999999, 4647, 4606, 'Dvrtcl
INSERT INTO tickettype VALUES (4, 3, 76.409999999999966, 1946, 9640, 'Displ
INSERT INTO tickettype VALUES (5, 1, 70.659999999999966, 7136, 8990, 'Nondis
INSERT INTO tickettype VALUES (6, 3, 41.53999999999999, 6010, 3279, 'Lens-i
INSERT INTO tickettype VALUES (7, 1, 38.820000000000003, 2769, 9662, 'Unsp m
INSERT INTO tickettype VALUES (8, 3, 42.780000000000011, 581, 110, 'Microsco
INSERT INTO tickettype VALUES (9, 3, 28.2899999999999, 719, 6264, 'Nondisp
INSERT INTO tickettype VALUES (10, 1, 48.67999999999997, 4378, 5045, 'Displ
INSERT INTO tickettype VALUES (11, 1, 20.920000000000017, 8605, 965, 'Unsp f
INSERT INTO tickettype VALUES (12, 3, 32.14000000000000, 4461, 4011, 'Tinni
INSERT INTO tickettype VALUES (13, 1, 63.939999999999977, 925, 9562, 'Legal
INSERT INTO tickettype VALUES (14, 3, 78.6299999999955, 605, 5208, 'Benign
INSERT INTO tickettype VALUES (16, 3, 84.5199999999999, 1552, 7307, 'Atroph
INSERT INTO tickettype VALUES (17, 2, 1.340000000000000, 3396, 1872, 'Epidu
INSERT INTO tickettype VALUES (18, 3, 10.88000000000000, 8285, 2471, 'Nondi
INSERT INTO tickettype VALUES (19, 2, 52.850000000000014, 1894, 1356, 'Nondi
INSERT INTO tickettype VALUES (20, 3, 1.44999999999999, 7613, 8249, 'Unsp
INSERT INTO tickettype VALUES (21, 3, 75.7399999999999999, 9859, 8221, 'Adver
INSERT INTO tickettype VALUES (22, 3, 58.770000000000031, 6476, 2147, 'Displ
INSERT INTO tickettype VALUES (23, 3, 2.169999999999999, 9201, 1768, 'Poste
INSERT INTO tickettype VALUES (24, 3, 79.89000000000006, 5031, 5475, 'Displ
INSERT INTO tickettype VALUES (25, 3, 26.46000000000000, 3705, 3911, 'Gen s
INSERT INTO tickettype VALUES (26, 1, 48.64999999999986, 2672, 2218, 'Unspe
INSERT INTO tickettype VALUES (27, 3, 94.780000000000011, 1019, 4047, 'Enter
INSERT INTO tickettype VALUES (28, 1, 17.82000000000003, 4313, 9629, 'Oth p
INSERT INTO tickettype VALUES (29, 2, 91.45999999999997, 9534, 5792, 'Corro
INSERT INTO tickettype VALUES (30, 1, 25.070000000000003, 6185, 6174, 'Contu
INSERT INTO tickettype VALUES (31, 1, 31.359999999999994, 3525, 3020, 'Lacer
INSERT INTO tickettype VALUES (32, 2, 65.049999999999999, 9410, 2374, 'Unsp
INSERT INTO tickettype VALUES (33, 1, 7.519999999999997, 6981, 593, 'Pnctr'
INSERT INTO tickettype VALUES (34, 1, 85.930000000000008, 7760, 1876, 'High
INSERT INTO tickettype VALUES (35, 2, 77.89000000000006, 5046, 6224, 'Other
INSERT INTO tickettype VALUES (36, 2, 27.98999999999994, 8360, 4504, 'Blist
INSERT INTO tickettype VALUES (37, 1, 63.93999999999977, 9226, 8192, 'Squam
INSERT INTO tickettype VALUES (38, 3, 96.510000000000051, 8626, 4451, 'Nondi
INSERT INTO tickettype VALUES (39, 1, 88.180000000000008, 6602, 453, 'Poisn
INSERT INTO tickettype VALUES (40, 3, 67.340000000000034, 2166, 7285, 'Unspe
INSERT INTO tickettype VALUES (41, 3, 73.950000000000028, 8014, 2222, 'Diver
INSERT INTO tickettype VALUES (42, 3, 59.070000000000003, 4244, 8343, 'Elev
INSERT INTO tickettype VALUES (43, 3, 53.299999999999972, 5805, 980, 'Fall f
INSERT INTO tickettype VALUES (44, 2, 96.180000000000008, 5785, 5043, 'Other
INSERT INTO tickettype VALUES (45, 2, 70.21999999999999, 7527, 148, 'Thromb
INSERT INTO tickettype VALUES (46, 1, 31.3399999999999, 9455, 5616, 'Inj m
INSERT INTO tickettype VALUES (47, 3, 57.770000000000031, 4803, 2854, 'Lacer
INSERT INTO tickettype VALUES (48, 3, 64.2099999999997, 4778, 219, 'Perf d
INSERT INTO tickettype VALUES (49, 3, 59.96999999999999, 2201, 3013, 'Unspe
INSERT INTO tickettype VALUES (50, 1, 76.34999999999943, 1504, 4349, 'Fat e
```

Changelog

- 1. Changed Tuple estimation's order of magnitude
- 2. Changed Friend Triggers
- 3. Added Selects
- 4. Changed Indices