Detailed instructions for setting up the experiment

We create a cloud server on DigitalOcean.
We chose the image of Ubuntu 16.04.3 x64 with 1GB/1CPU, 30GB SSD disk and 2TB Transfer.

A. To complete the preparation of the server, please follow these manuals:

How to install node.js:
https://www.digitalocean.com/community/tutorials/how-to-install-node-js-on-ubuntu-16-04

How to install Nginx:(web servers)
https://www.digitalocean.com/community/tutorials/how-to-install-nginx-on-ubuntu-16-04

How to setup node.js Application for Production on Ubuntu:
https://www.digitalocean.com/community/tutorials/how-to-set-up-a-node-js-application-for-production-on-ubuntu
-16-04

How to install pm2:
http://pm2.keymetrics.io/docs/usage/quick-start/

How to install postgresql:
https://www.digitalocean.com/community/tutorials/how-to-install-and-use-postgresql-on-ubuntu-16-04

B. To set up the database on the server, follow these steps:

How to add password to user: (must for creating a connection in pg plugin)
ALTER USER "postgres" WITH PASSWORD 'postgres';

How to create database: (must for creating a connection in pg plugin)
CREATE DATABASE

Open the database:
sudo -u postgres psql
\connect breakthecode;

Create tables:
CREATE TABLE Experimenter(
  ID bigint PRIMARY KEY,
  start boolean,
  timestamp timestamp default current_timestamp,
  age int,
  gender text,
  selfTaught boolean,
  baFinished boolean,
  baStarted int,
  baStudied int,
  maFinished boolean,
  maStarted int,

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    maStudied int,
    phdFinished boolean,
    phdStarted int,
    phdStudied int,
    yearsOfExperience int,
    programmingLanguages text ARRAY,
    assessSelfProgrammingSkills int,
    firstTime boolean,
    testPlanId text ARRAY,
    mode text
);
CREATE TABLE Answer(
    userId bigint,
    questionId text,
    rightAnswer text,
    userAnswer text,
    serialNumber int,
    duration double precision,
    skip boolean,
    timestamp timestamp default current_timestamp
);
```

C. To run the experiment, follow these steps:

Pull the code:
git pull https://github.com/shulamyt/break-the-code.git

Go to folder:
cd break-the-code

Check out the correct branch:
git checkout icpc17

Run install:
npm i

Build it:
npm run build

Run it:
npm run start