



Digital Bubble

Installation Manual

Databases project, 2º ano, 2º semester

André Filipe Costa Colaço, 2020220301, uc2020220301@student.uc.pt

Sancho Amaral Simões, 2019217590, uc2019217590@student.uc.pt

20 de maio de 2022



1. Software installation

- 1.1. Install the database management engine *PostgreSQL*.
(<https://www.postgresql.org/>)
- 1.2. Install the latest version of *Python*.
(<https://www.python.org/downloads/>)
- 1.3. Install an *IDE* that supports the *Python* language.
 - Recommended: *Jetbrains Pycharm*.
(<https://www.jetbrains.com/pycharm>)
- 1.4. Install a *webclient* for further testing the *Rest API*.
 - Recommended: *Postman*.
(<https://www.postman.com/downloads/>)

2. Database importation

- 2.1. Open an *SQL* terminal (e.g.: *psql*) or an *SQL* text editor (e.g.: *pgadmin Query Tool*)
- 2.2. Run the *SQL* code contained in the *initSQL.sql* file. This contains a *SQL* script that allows the creation of the *DigitalBubble* database (including triggers and stored procedures) and its population with some entities.

3. Environment configuration

- 3.1. Using one of the tools mentioned in the step 2.1, create a new database user.



3.2. Using a database user account with maximum permissions (*postgres* by default), assign the necessary permissions for the user created in step 3.1 in order for it to perform all kinds of operations in the newly imported database.

3.3. Open the *api* folder in the chosen *IDE* and then set the script path to the *main.py* file.

3.4. Set the database user credentials (*app.config['USER']* and *app.config['PASSWORD']* variables) to those provided when creating the user in step 3.1.

3.5. Run the application.