Digital Bubble

Installation Manual

Databases project, 3rd year, 2nd semester

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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/l*)

1.3. Install an *IDE* that supports the *Python* language.
- Recomended: *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.