Python

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USERGUIDE:

This repository contains Vkontakte and Telegram chatbots for the quiz.

FEATURES

- Questions are taken from text files located in the specified folder;

- The database is stored in cloud Redis;

- The user has an unlimited number of attempts to answer the question;

- The user can surrender. After he gets the correct answer and the next question.

HOW TO INSTALL

- Copy the scripts to your computer:

```
git clone https://github.com/eskelevir/quiz-bot.git
```

- Go to the folder:

```
cd quiz-bot
```

- Install the required python packages:

Python3 should be already installed. Then use pip (or pip3, if there is a conflict with Python2) to install dependencies:

```
pip install -r requirements.txt
```

Remember, it is recommended to use virtualenv/venv for better isolation.

- Create a folder for quiz content and extract the archive into it ;

- Get the necessary data to work with Vkontakte and Telegram (link);

- Create and configure Telegram bot to receive notifications (link);

- Get the necessary data to work with Redis (link);

- Create the file. env and record the received data:

```
QUIZ_FOLDER_PATH=the path to the folder with text files with material for the quiz
TG_TOKEN=Telegram bot token
VK_TOKEN=Vkontakte bot token
TG_LOGGER_BOT_TOKEN=Telegram logger bot token
TG_LOGGER_BOT_CHAT_ID=Telegram logger chat id
REDIS_ENDPOINT=url db
REDIS_DB_PASSWORD=Redis database password
```

THREE

HOW TO RUN

Telegram bot:

```
python3 quiz_bot/tg_bot.py
```

VK bot:

```
python3 quiz_bot/vk_bot.py
```

LICENSE

This project is licensed under the MIT License - see the LICENSE file for details.

PROJECT GOALS

The code is written for educational purposes on online-course for web-developers dvmn.org.

5.1 Social network data

5.1.1 Vkontakte

- Get the token group

- Allow sending messages

5.1.2 Telegram

- Create a bot in Telegram, get the API key of the bot. The bot will become the channel administrator (instruction);
- chat_id of the channel is a link to it, for example: @coolchannel.

5.2 Notification

5.2.1 Telegram bot

- **Create a Telegram bot using BotFather and Get the Api Token:**
  - Open Telegram;
  - Search @ botfather;
  - Type /newbot;
  - It will show "Alright, a new bot. How are we going to call it? Please choose a name for your bot.";
  - Type the name of your bot;
  - After, it'll show "Good. Now let's choose a username for your bot. It must end in *bot*. Like this, for example: TetrisBot or tetris_bot.";
  - You've to give a unique username and it should be ending with bot;
  - After giving the name it'll show :

> "Done! Congratulations on your new bot. You will find it at t.me/[your_name_bot]. You can now add a description, about section and profile picture for your bot, see /help for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this."

– Use this token to access the HTTP API: "TOKEN".

• Receive the chat_id. To do this, write to the Telegram special bot: @userinfobot.

5.3 Get Redis Data

5.3.1 Redis Endpoint

1. Sign up on the Reditlabs;
2. Create a database;
3. Get url database.

Name ⇕	Type ⇕	Memory ⓘ ⇕	Plan usage ⇕	Endpoint ⓘ ⇕	Options	Status ⇕
quizbots	Redis	2.97 MB	9.89%	redis-15465.c98.us-east-1-4.ec...		✓

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INDICES AND TABLES

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