

Tokened

FBLA Coding and Programming 22-23

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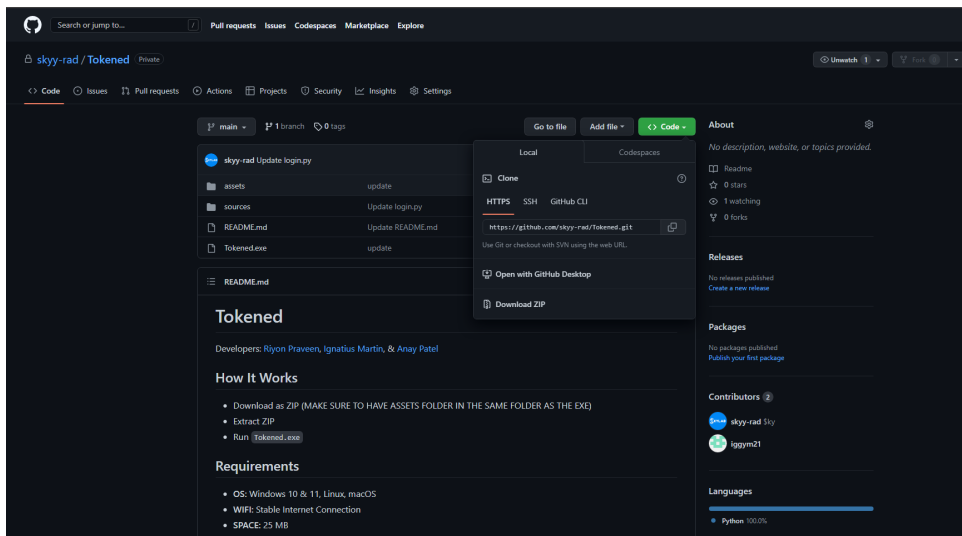
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What is Tokened?

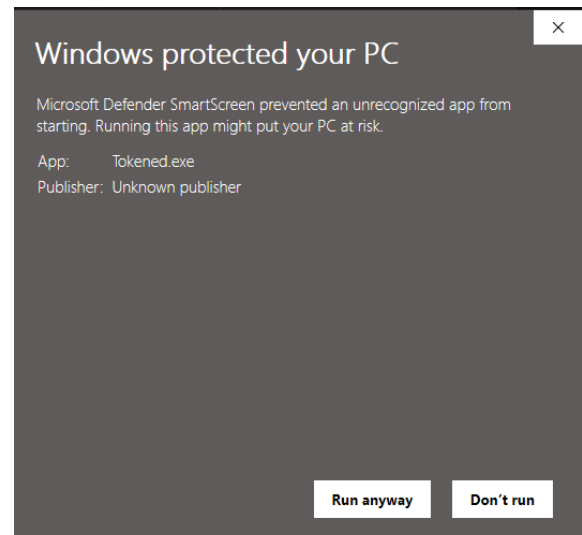
Tokened is an application that tracks student engagement in school events and incentivizes improvement in student attendance at school events using various rewards. To start using Tokened, one has to create their own account using their email, which students will use to log in and access the rest of the application. Tokened helps schools track and increase student involvement without schools having to manually track which students attend a certain event. When signing up for the application, students are required to choose their school, which is used to filter the application so that they do not view data from accounts registered at different schools. Students input events that they attend, and are rewarded with a certain amount of points for every event. Also, students give feedback on the events that they attend, which the school can use to plan better events in the future. These points add up over the course of a quarter, and the student with the most points receives a reward. Every student also receives a reward based on how many points they have accumulated throughout the quarter. Also, the application contains a leaderboard, filtered by their school, so that they can view the progress of other students at their school, and compete with them. Students are also shown upcoming events on their dashboard, so they can plan to attend future events. At the end of every quarter, a report can be generated in the application which displays the name. Lastly, the application also has a help page for any questions.

How to Download

1. First, go to the GitHub page using the URL: <https://github.com/skyy-rad/Tokened>
2. Then, click the green “Code” button to open the menu.



3. From the menu, select the “Download ZIP” option.
4. Once the ZIP is downloaded, click on the folder in File Explorer and select “Extract All”.
5. Once the files are extracted, locate the folder with the extracted files and find the “Tokened” application.
6. Double-click the application to run it.
7. If you get a warning message, click “More Info”
8. Then, select the “Run Anyway” option



System Requirements

OS

- Windows 10
- Windows 11

Wi-Fi

- A stable connection

Space

- 25 MB

RAM

- 2 GB

Version History

Version 1.1

In this version, we set up the window for the application as well as a login page and sign-up page that required a name, email, and password to create an account. We also set up our external database (mongoDB). Essentially, this version is the framework for the rest of the application, and future versions will have more pages that serve different purposes. Also added the environment page to store any files that we use throughout the program.

Version 1.2

- Changed the sign-up page to require first name, last name, grade, email, school, and password.
- Added a confirm password feature on the sign-up page.
- Added a forgot password button on the login screen for students that need to reset passwords.
- Added dashboard page with auto-updating leaderboard, and menu button to access settings.
- The settings menu has a change password feature, which also requires the student to confirm the new password.
- Added text at the top of the dashboard screen that welcomes the student using their first name.
- Added points display to the top right on the dashboard that shows how many points a student has accumulated.

Version 1.3

- Added the Events page.
- Added an event log for past events that the student has attended.
- Added the option for the student to add events to their event log.

Version 1.4

- Added help page.
 - Added link to the documentation
 - Added contact us.
 - Added a feature for students to change their current grade and school.

How to Use

Login

1. If you have not created an account, use the sign-up button to navigate to the sign-up page.
2. If you have an account, enter your email and password into the proper entry fields.
3. Then, click the log-in button.
4. If you have forgotten your password, click the forgot password button, which will email your account for you to reset your password.



Sign Up

1. Enter your first name, last name, grade, and school into the appropriate fields.
2. Enter your email and password into the appropriate fields.
3. Confirm your password in the password confirmation field.
4. Click on the “Create” button

Dashboard

1. The dashboard will have a leaderboard, showing you the top 5 students with the most points in your school.
2. To go to the events page, click on the “Events” button.
3. To open the settings menu, click the three-dots button. This will allow you to reset your password, access the help screen, or log out.
4. To generate a quarterly report, click on the report button, near the bottom right of the window. On the report page, click “View Reports of All” to see all students and their points. To return to the dashboard, click the arrow in the top-left of the window.
5. The dashboard also shows you the current number of points you currently have and upcoming events that you may attend.

Events Page

1. To add an event, choose an event from the drop-down menu.
2. Enter the date that you attended the event.
3. Use the slider to submit feedback for the event.
4. Click the blue button to add the event.
5. You will notice that the added event, along with past events, appears in the event log.
6. To return to the dashboard, click the arrow in the top-left of the window.

Help Page

1. If you are looking to change your school or grade, select the appropriate options from the drop-down menus, and click "Update".
2. To view the code documentation, click on the GitHub link to access the website.
3. To return to the dashboard, click the arrow in the top-left of the window.

Sources

- Flaticon
 - <http://www.flaticon.com>
- Icons8
 - <https://icons8.com/>
- Pythonprogramming.net
 - <https://pythonprogramming.net/change-show-new-frame-tkinter/>