eyeReader – Mobile News Feeder

eyeReader App User Guide

Version:
V6.2 (Android)

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What is eyeReader?

eyeReader is a mobile news reader which collects news articles from a plethora of internet sites based on your topic preferences and enhances your experience by offering specific filtering functionalities in regards to hate speech, toxic content and sentimental analysis.

The app is aimed towards both casual and professional (Journalists) users who enjoy reading articles from their favorite sources and stay up-to-date with the latest and greatest content provided by our app.

The app is divided into two parts which offer different capabilities based on the type of the user. The two types of users available within the app are the Normal User and the Journalist. Information regarding the different capabilities offered for each type of user will be described below.

Reading Features:

- Realtime Article Fetching
- Article Search Bar
- Bookmark / Save Articles
- Delete Articles
- Report Articles
- Add Sources – Add your preferred sites to fetch articles from
- Statistics – Toxic content and Sentimental Analysis with Graphs
- Take personal notes on your preferred article (Journalist feature)
- Night Mode – Turns the entire app layout to gray to aid during night time reading
- Cache News
- Font Size Adjustment

Filtering Features:

- Markup Toxic – Highlights toxic content
- Hide Toxic – Completely hides toxic content from an article
- Toxic Content Tolerance adjustment

Hardware Device Compatibility:

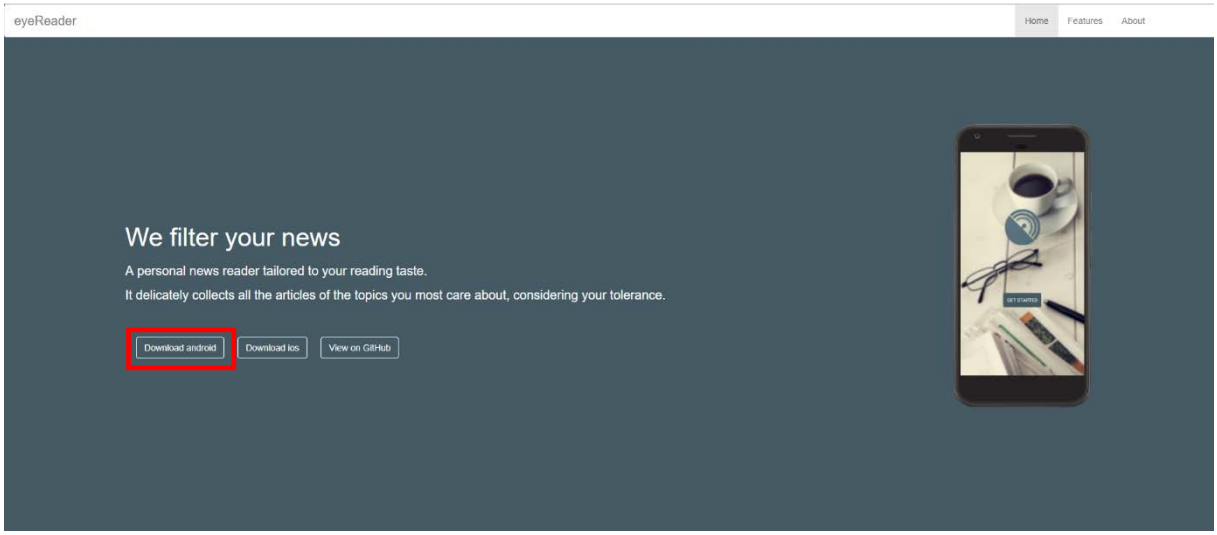
The eyeReader App will **ONLY** work on the following devices:

- Android Devices with the Android 6.2 (Marshmallow) operating system or higher.

Installation of eyeReader:

1. **<u>To install eyeReader please visit our official website on your mobile device at:</u>**
   http://www.cs.ucy.ac.cy/~achrys15/eyeReader/

2. Click the "**<u>Download Android</u>**" button to download the app's APK as indicated in the screenshot below:



3. Once the APK has been downloaded on your phone, open it to install our app.
4. Launch eyeReader and follow the instructions as indicated in our complete manual below.

Starting the eyeReader App:

Welcome Screen

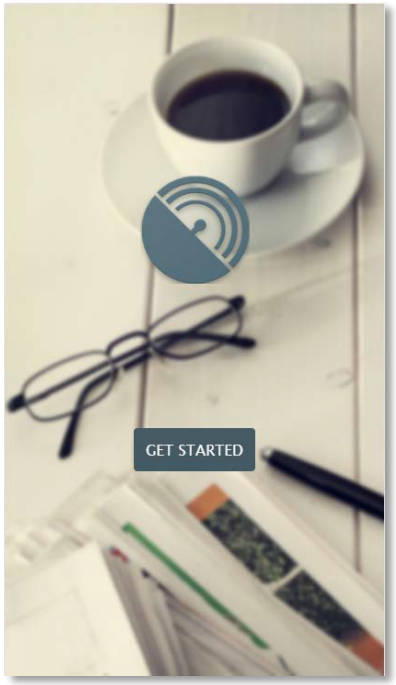


Figure 1

- Upon launching the eyeReader app you will be presented with the Welcome Screen.

- Click the "**GET STARTED**" Button to move to the Login Screen as indicated in **Figure 1.**

Login Screen

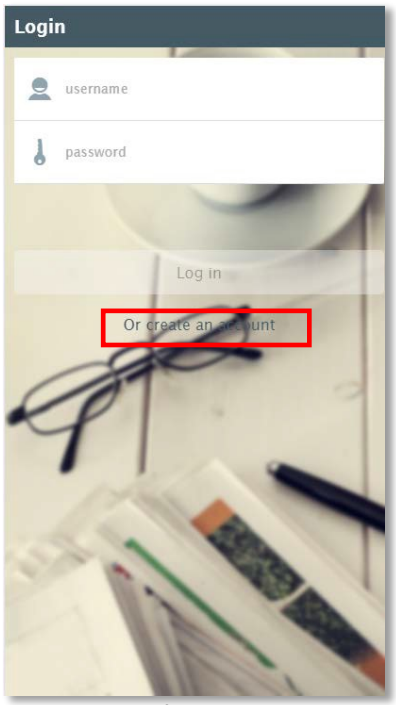


Figure 2

- When the Login Screen appears you will be presented with the username and password fields in which you can enter your login credentials.

- If this is your first time using the app, create an account by clicking the "**Or create an account**" option located below the "**Log In**" button as indicated in **Figure 2**.

Signup Screen

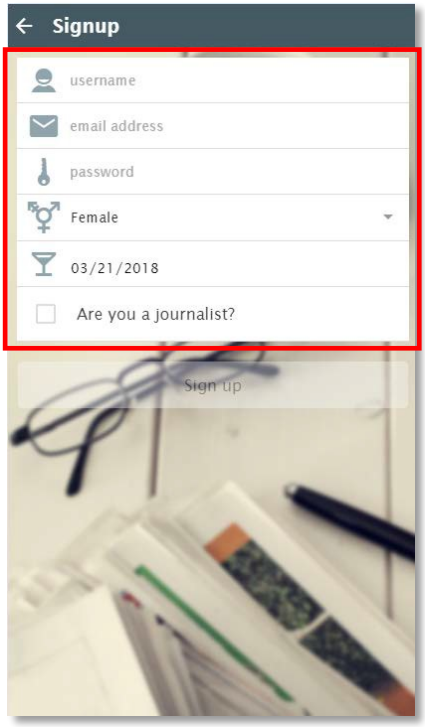


Figure 3

- At the **Signup Screen** you will be presented with all the required fields you will have to fill in order to create your account as indicated in **Figure 3**.

Note: The account is stored locally to your mobile device's storage and is in no way accessed by any third party software online for your own security. This is solely done for your own convenience so that everytime you open the app your preferences and articles are stored.

Signup Screen - Gender Selection

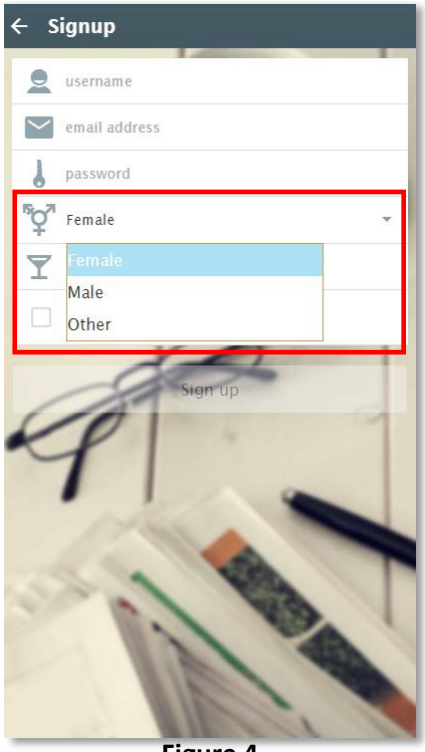


Figure 4

- In the gender section you can choose your gender between Female, Male and Other through a dropdown list as indicated in **Figure 4.**

Signup Screen - Journalist

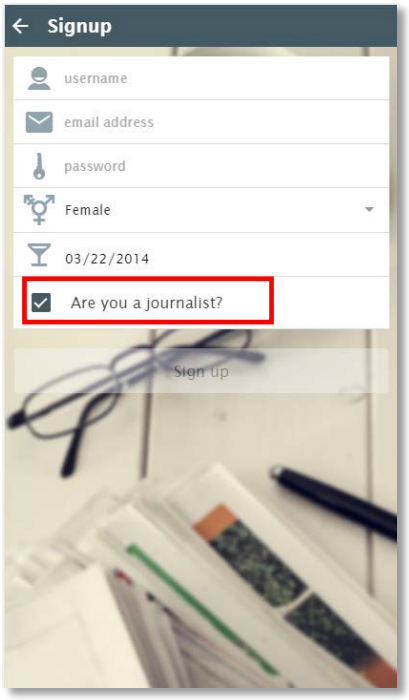


Figure 5

- By ticking the option “Are you a journalist?” the note-taking feature that is only available to professional users (Journalists) of the app will be available to you as shown in **Figure 5.**

- The Note Taking feature offers you the ability to create personal notes for every article you read. Afterwards, the notes are stored on your device’s local memory for your future reference.

Signup Screen – Successful Account Registration

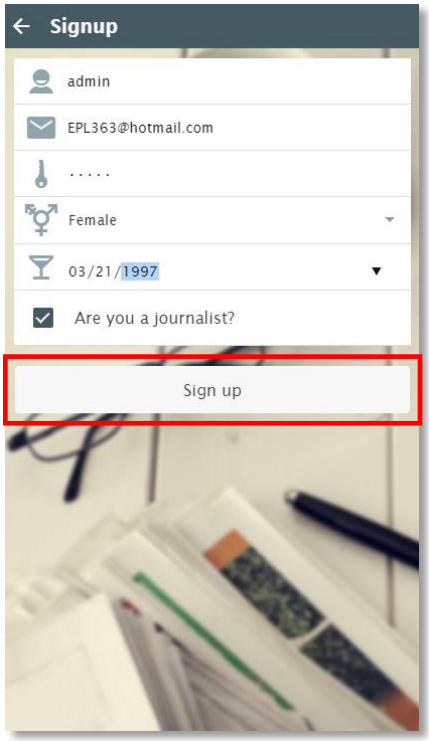


Figure 6

- By completing all the required fields and clicking the Signup button as indicated in **Figure 6**, your account registration will be completed.

Login Screen – Credentials

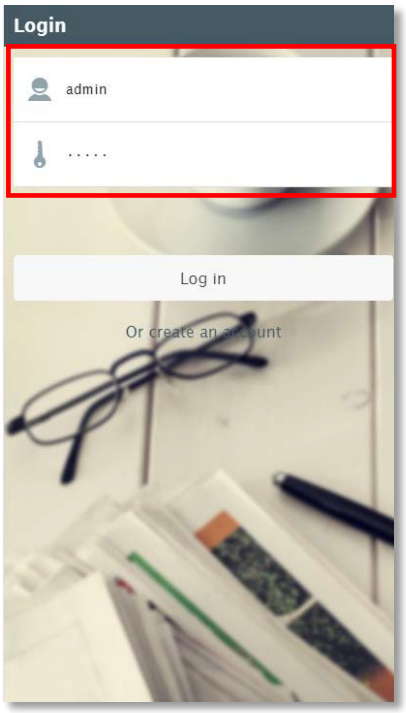


Figure 7

- Upon reaching the Login Screen enter your new login credentials as shown in **Figure 7** to login to your account and launch the app for the first time.

Articles Feed – Adding the articles

Figure 8

- As soon as you open the app you will be greeted with the message that you have no articles available for viewing as shown in **Figure 8**.

Add New Articles

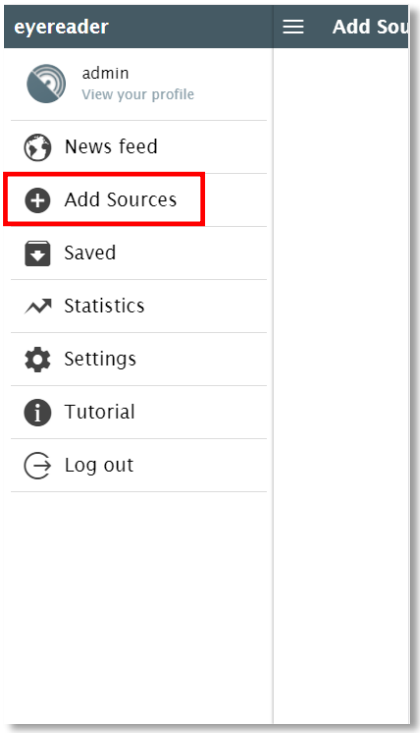


Figure 9

- To add your preferred sources, swipe to the right to access the side menu and click on the "**Add Sources**" button as shown in **Figure 9**.

- Afterwards, select the sources you would like to receive articles for and return back to your news feed to start reading the articles that have been fetched.

Reading your articles

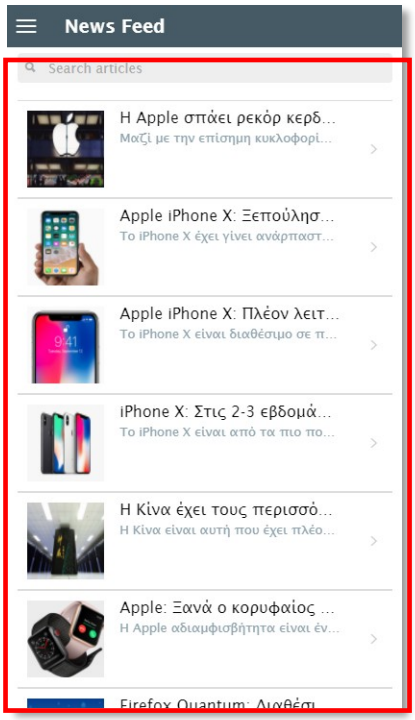


Figure 10

- When you return to your News Feed, the articles from the sources you had previously chosen will be instantly downloaded and ready for your reading pleasure.

- Every article is presented in a list view along with a relative thumbnail regarding its main subject and its title as shown in **Figure 10.**

Saving / Bookmarking an article

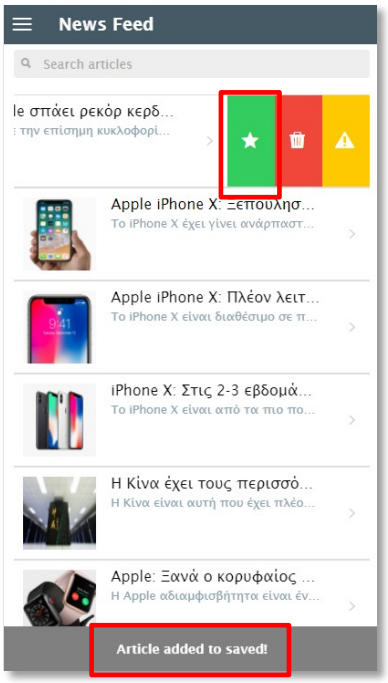


Figure 11

- By swiping an article to the left three new options appear:
  a) Save/Bookmark Article
  b) Delete Article
  c) Report Article

- By tapping on the green star button you can save any article you desire and the accompanying message will appear at the bottom of y our screen as shown in **Figure 11.**

- By saving an article you can view it anytime you desire offline or online in the "**Saved**" option of the side panel menu.

Deleting an article

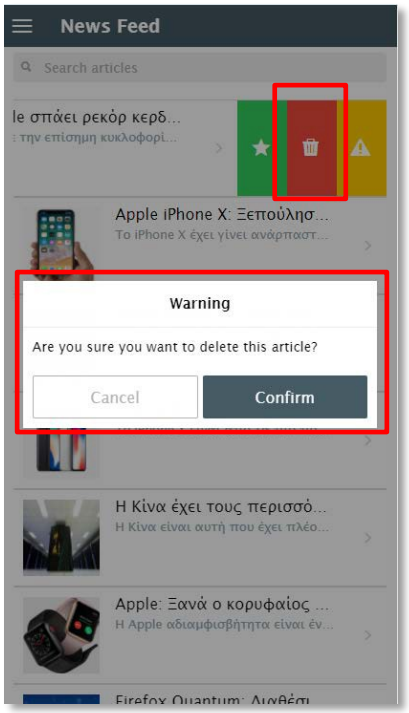


Figure 12

- By tapping on the red **bin** button you can delete any article you desire. The confirmation message about deleting the corresponding article will appear on your screen, requesting the approval of your deletion as shown in **Figure 12**.

Reporting an article

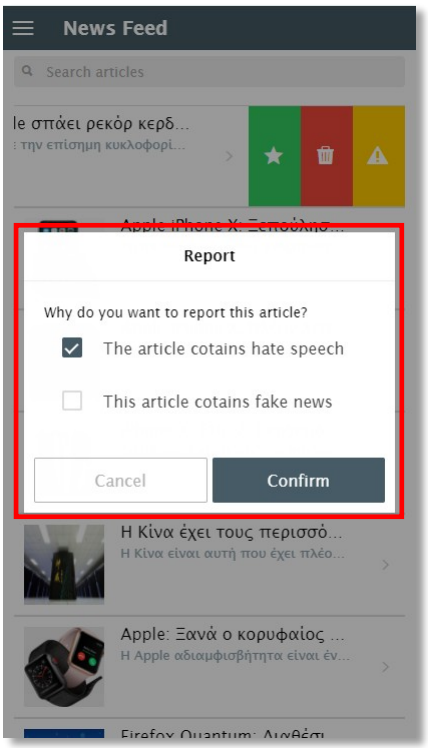


Figure 13

- By tapping on the **yellow** triangle button you can report an article based on the type of toxic content it consists of.

- **<u>You have two options to choose from:</u>**
a) Hate Speech
b) Fake News

- Select the type of toxic content you want to report the article for and then confirm your selection by tapping on the "**Confirm**" button as shown in **Figure 13**.

Saved Articles Page

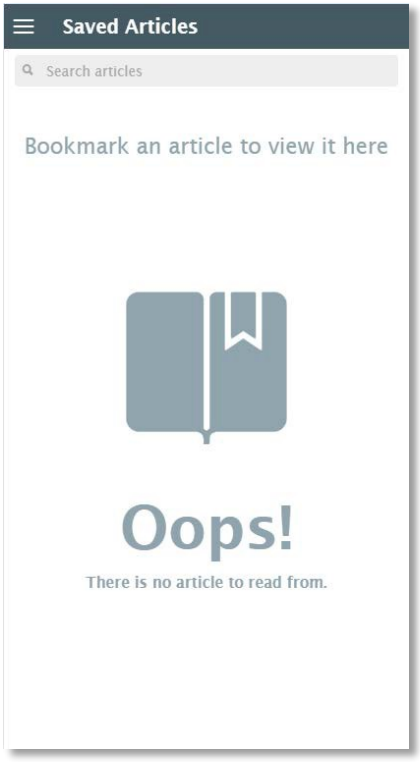


Figure 14

- In the Saved Articles Page which is accessible via the side panel menu (Swipe right -> Saved) you can view your saved articles.

- In case you do not have any saved articles the accompanying message will appear indicating the lack of saved articles as shown in **Figure 14.**

Viewing Saved Articles

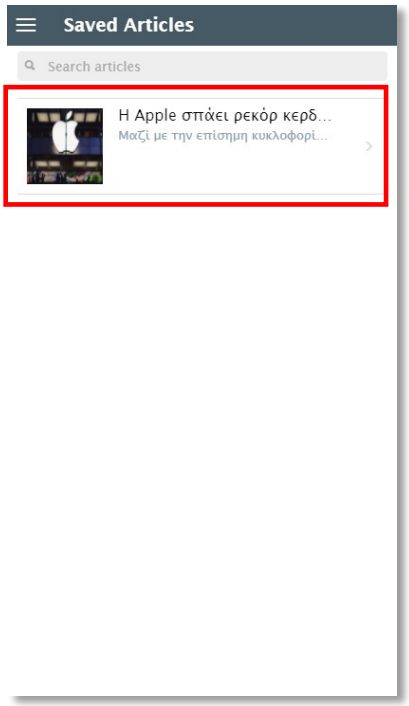


Figure 15

- When an article has been previously saved you will be able to view it through the Saved Articles page as shown in **Figure 15**.

- Articles saved in this page can be available for reading even if you have no internet connection.

How to unsave a saved article

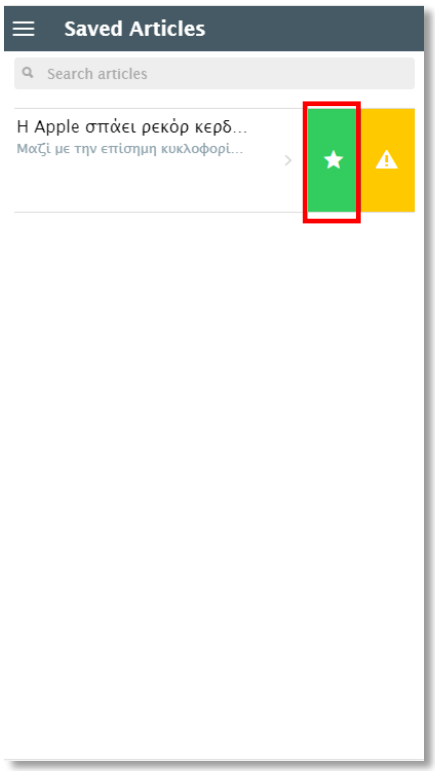


Figure 16

- In order to unsave / delete an article you have previously saved simply swipe the article to the left to make the additional article options visible and tap the green star button to unsave. The article will immediately disappear from your Saved Articles list as shown in **Figure 16.**

The Settings Page

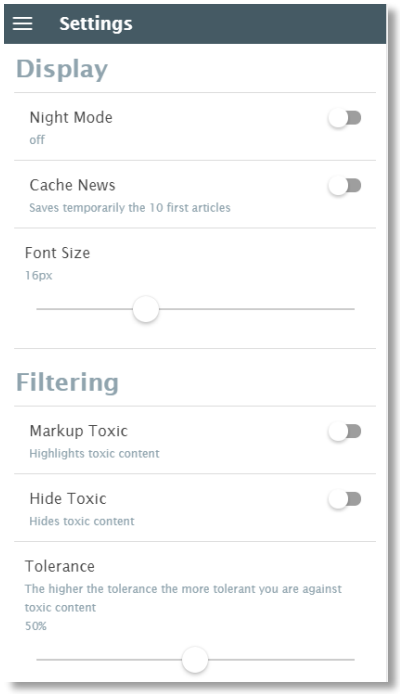


Figure 17

- To access the **Settings Page** swipe to the right anywhere within the app and tap on the "**Settings**" option.

The **Settings Page** will be presented to you as shown in **Figure 17** where you can adjust various settings to enhance your viewing and reading experience.

It is divided into two parts, The Display and Filtering settings.

Each setting will be specifically described in the following sections of this manual.

Display - NightMode

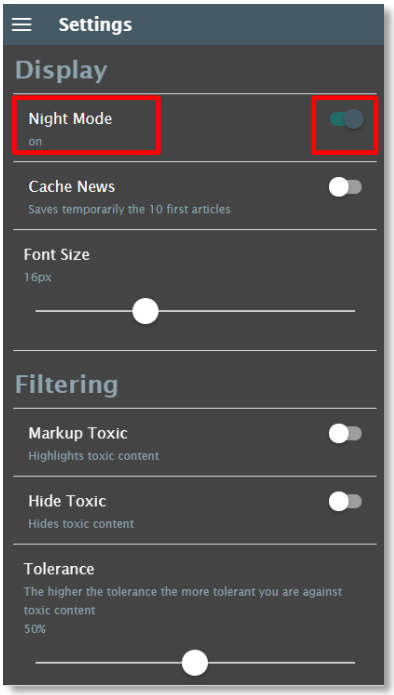


Figure 18

- To enable **Nightmode** simply toggle the button located at the right side of **NightMode** as shown in **Figure 18.**

- By toggling **Nightmode** the entire app layout turns to a light grey background in order to aid you during night hour reading.

Display - Cache News

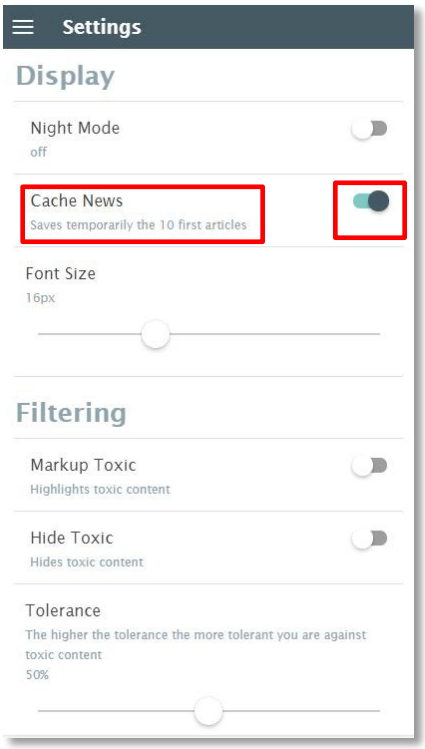


Figure 19

- In order to enable the Caching functionality simply toggle the button which is indicated to the right of the Cache News option as shown in **Figure 19.**

- The Cache News setting offers caching of up to 10 articles. When enabled the 10 most recent articles within your News Feed will be cached to your device's local storage in order to access them when there is no internet connection available.

Display - Font Size Adjustment

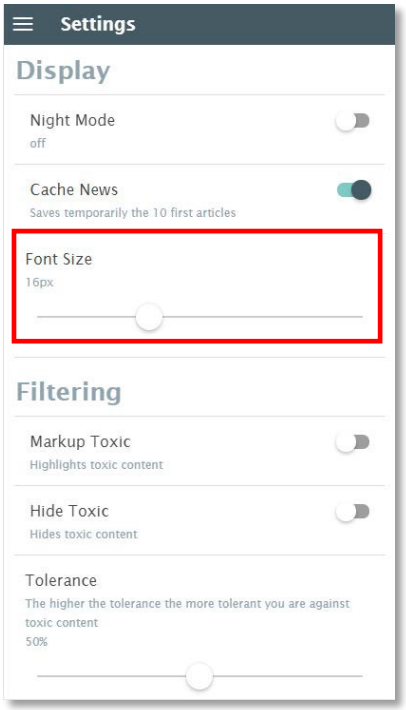


Figure 20

- To adjust the **Font Size** of the app you can use the slider as indicated in **Figure 20** to adjust your desired font size in pixels.

- The font size changes dynamically as the slider adjustment happens.

Filtering - Markup Toxic Content

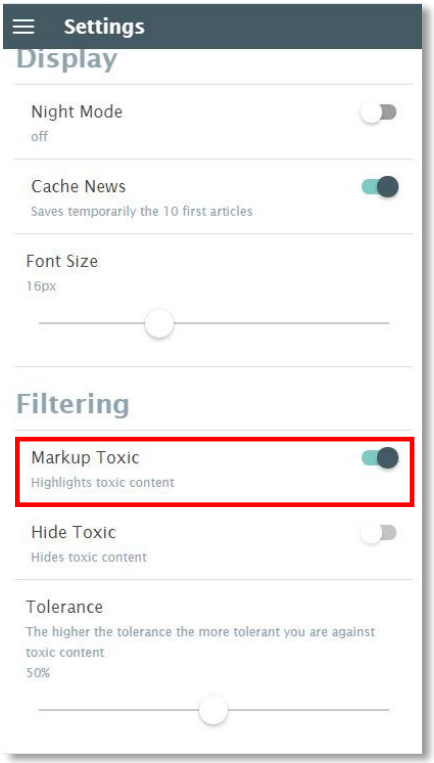


Figure 21

- You can filter an article's content in various ways. One of them is by **Marking Up** toxic content.

- You can enable the **Markup Toxic** setting by toggling the button indicated at the right side of the setting as shown in **Figure 21.**

- By enabling the **Markup Toxic** setting any toxic content within an article will be highlighted in yellow color.

Filtering - Hide Toxic

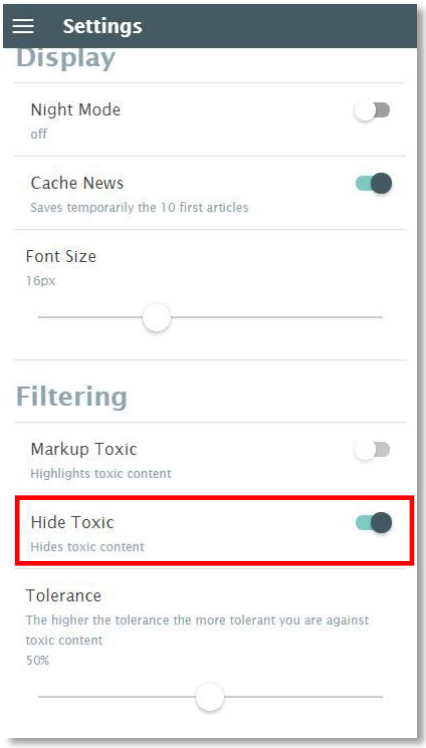


Figure 22

- You can hide the toxic content of an article by enabling the Hide Toxic option.

- You can enable the Hide Toxic setting by toggling the button indicated at the right side of the setting as shown in **Figure 22.**

Tolerance Adjustment

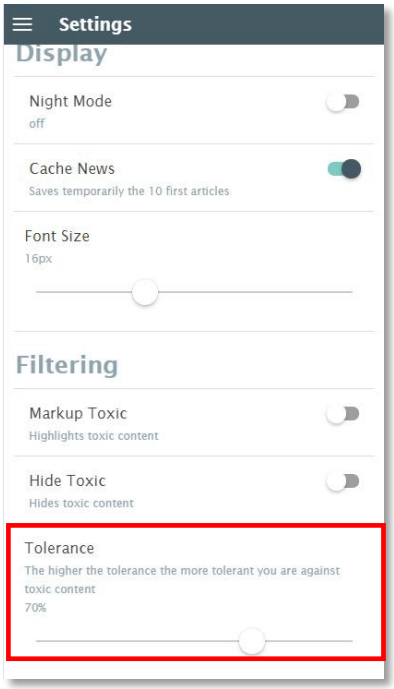


Figure 23

- You can control the tolerance of the toxic content of your articles by adjusting the Toxic Content Tolerance slider as indicated in **Figure 23.**

- Based on the **tolerance** you have chosen a certain percentage of the discovered content will be filtered. The **higher** the **tolerance** the more aggressive the filtering is.

Viewing your Profile

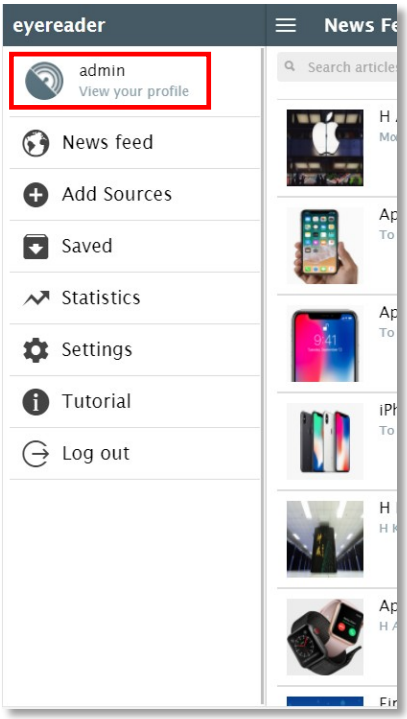


Figure 24

- By accessing the side panel menu you also have the ability to **view your user profile** and modify your information.

- To access your **profile** simply swipe to the right anywhere within the app and tap on the app's Logo as shown in **Figure 24**.

Profile Information

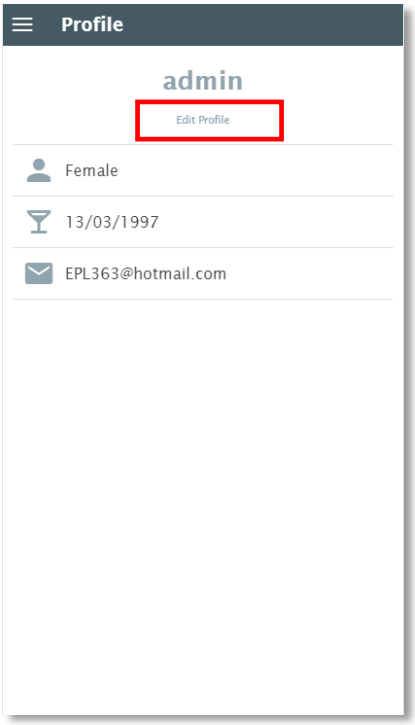


Figure 25

- Upon clicking the "**View your profile**" option in the side panel menu you will be presented with your Profile where some of your basic info will be displayed on your screen.

- You can edit your profile information by tapping on the "Edit Profile" option indicated below your username as shown in **Figure 25.**

Editing your profile

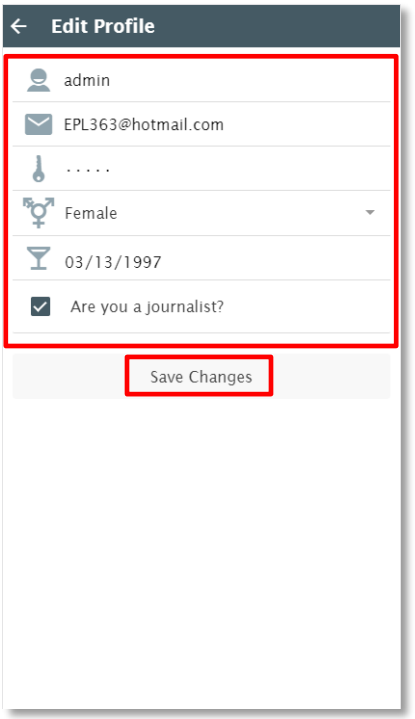


Figure 26

- In the **Edit Profile** screen you can see all the information regarding your account.

- You can edit any field simply by tapping on the specific field you want to change and alter its information.

- Click the "**Save Changes**" option at the bottom of the screen to apply and save the changes you have made as shown in **Figure 26.**

Selecting Your Sources

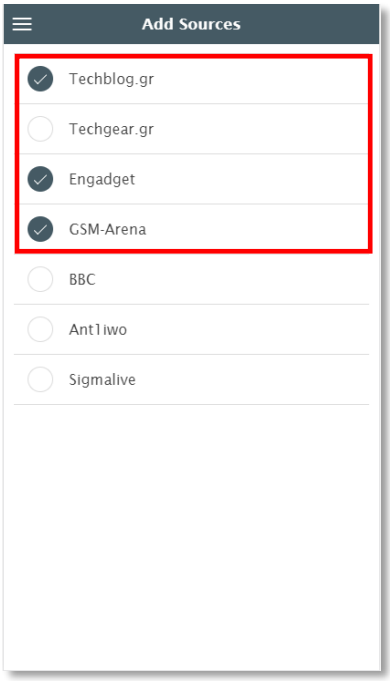


Figure 27

- When you tap the Add Sources button you will be presented with all the currently available list of sources within the app. Simply tap on the sources you would like to retrieve articles from.

- The selected articles will be marked with a tick next to them as shown Figure 27.

- When you have finished selecting your sources, simply swipe back to the News Feed window and the sources will be automatically fetched for you.

Searching Articles

Figure 28

- You can also search through the available articles presented in your News Feed by typing in the search bar located at the top of the News Feed specific keywords as shown in **Figure 28**.

- The keywords can include any words that correspond to an article's title. As soon as you start typing your keywords, the articles will be filtered live within your News Feed based on the keywords you have typed as shown in **Figure 29.**

User Tutorial

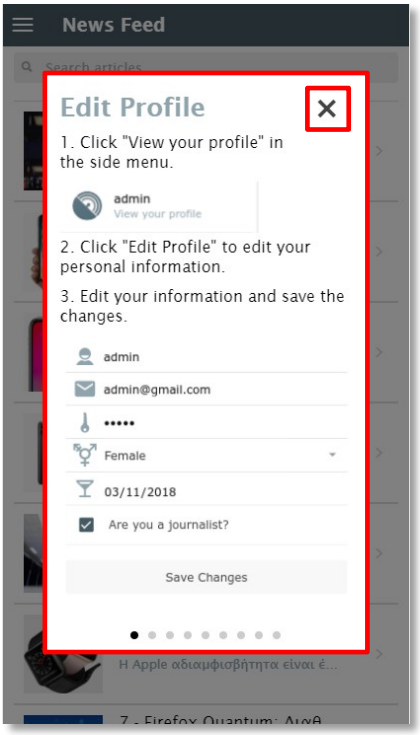


Figure 29

- Upon opening the app you will be presented with the user tutorial which guides you through the app's features along with its available functions and configurations as shown in **Figure 29.**

You can also swipe to the left to move to the next tutorial screen.

If you wish to skip the tutorial, simply click on the X button located at the top right of the tutorial window as shown in **Figure 29.**

Watching the Tutorial again

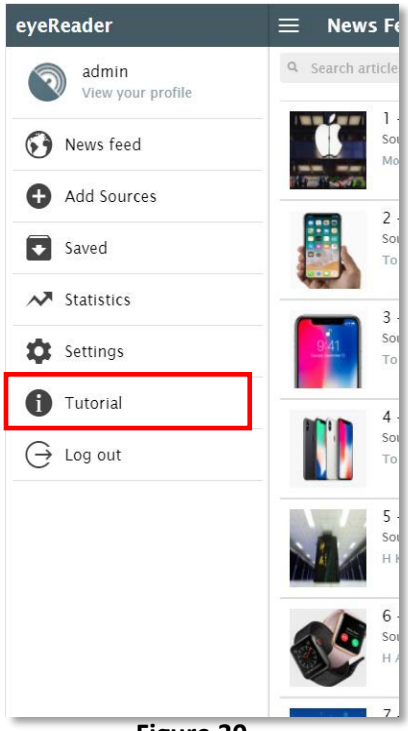


Figure 30

- You can also watch the tutorial again if you wish so by swiping to the right to open up the Side Menu and clicking on the "Tutorial" button as indicated in **Figure 30.**

The Statistics View – Graphs

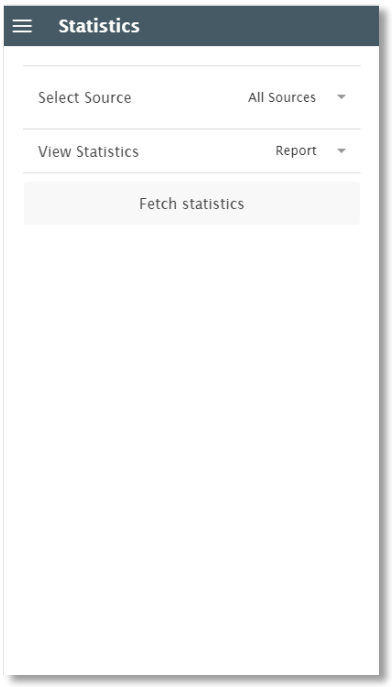


Figure 31

Through the Side Menu, when you click on the button “Statistics” you will be presented with the following Statistics view as shown in **Figure 31.**

In this window you can view certain statistics regarding the entirety of the sources or specific sources of your choice.

The statistics are presented in a graphical form.

The Statistics View – Graphs – All Sources

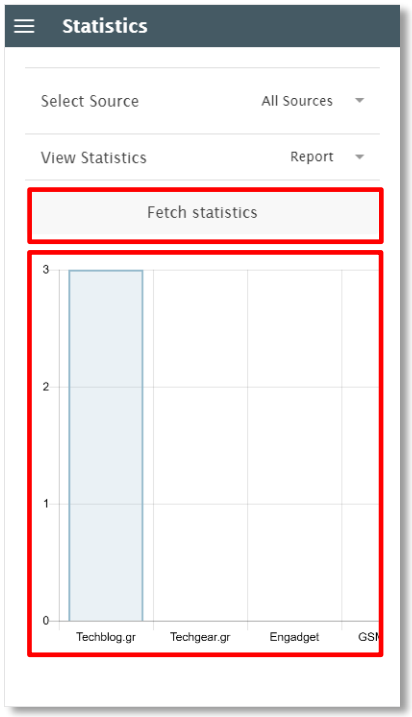


Figure 32

Upon pressing “Fetch statistics” the corresponding data of the current selected source will be fetched through the app’s server and presented to you in a bar chart form.

The bar chart, depending on which statistic you have chosen in the “View Statistics” field will present the data for that specific statistic for all the sources available within the app.

In the example shown in **Figure 32**, we have selected the “Report” statistic and therefore the graph corresponds to the amount of articles reported regarding all the sources available within the app.

The amount of the specific statistic is always present on the Y axis of the graph, whereas on the X axis the specific source that the data correlates to is present.

The Statistics View – All Sources – List Of Statistics

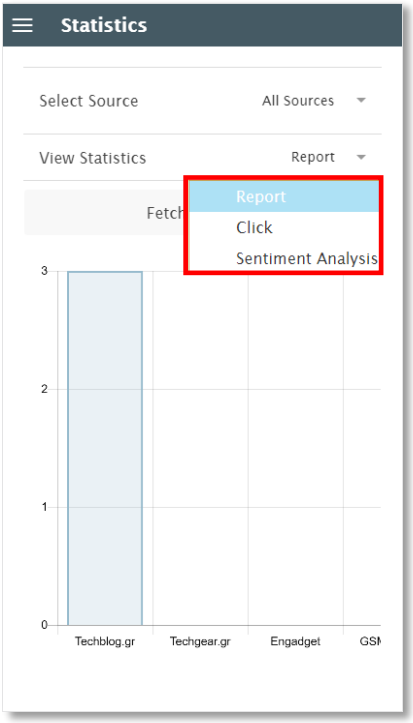


Figure 33

For the statistics of All Sources you can choose between 3 different statistics as shown in **Figure 33**.

The three statistics are as follows:

1) **Report**: The amount of articles reported for every source
2) **Click**: The amount of times a source's articles have been clicked (opened).
3) **Sentiment Analysis**: The total sentimental grade of a source's articles

The Statistics View – Source Selection

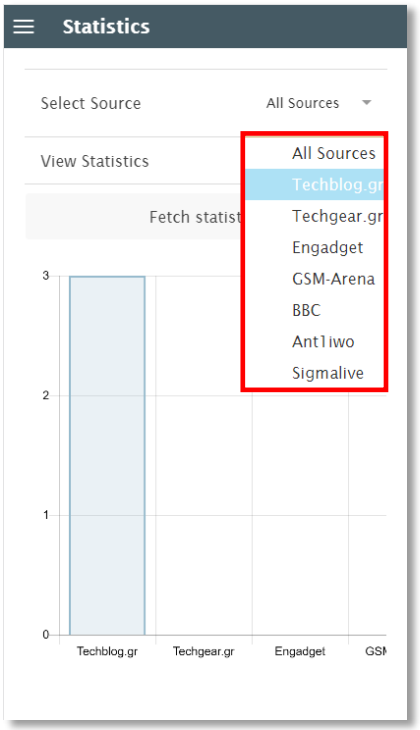
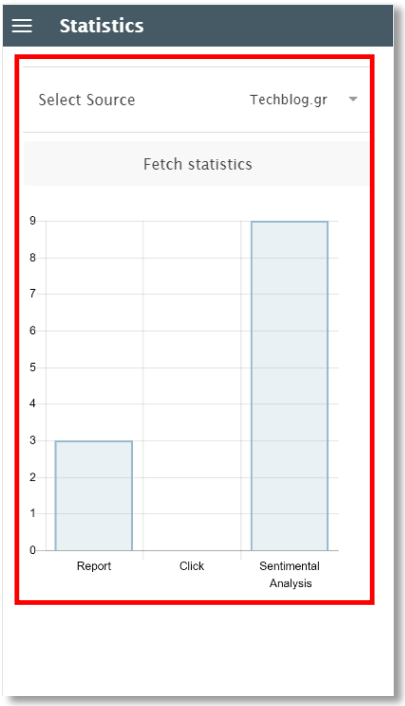


Figure 34

In the statistics view, you also have the option to view specific statistics for a specific source of your choice. This is possible by clicking on the Select Source field and choosing the source of your liking as shown in **Figure 34**.

The Statistics View – Specific Source View



- By selecting a specific source and clicking the "Fetch statistics" button the corresponding data regarding the source's articles will be presented to your screen through the bar chart form.

For specific sources, all three statistics are shown simultaneously in the bar chart.

The amount of the specific statistic is always present on the Y axis of the graph, whereas on the X axis the specific statistic that the data correlates to is present.

In the example shown in **Figure 35** we can see the amount of reports and sentimental grade the Source "Techblog.gr" has.

Figure 35

Sentiment Results – The Emoticon

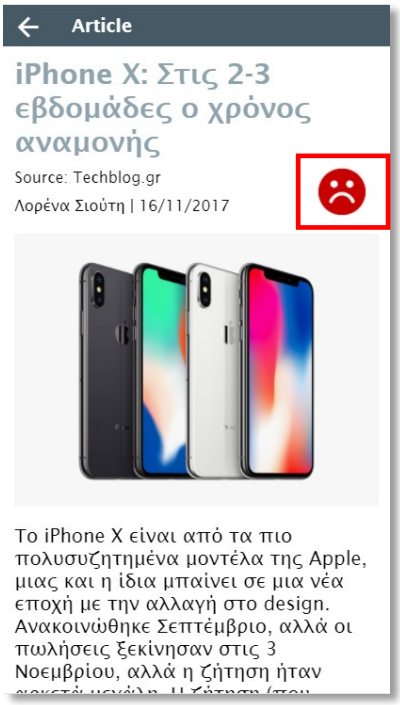


Figure 36

- When viewing an article, at the top right of the article you will notice an emoticon as shown in Figure 36.

The emoticon corresponds to the result of the sentimental analysis on that specific article.

In simple terms the sentimental analysis scans the entirety of the article and predicts the impact it has on the audience that is reading the current article.

Therefore the "reaction" of the audience is reflected through this emoticon.

The emoticon can vary between:

1) Green Smiley: Positive Impact
2) Orange Smiley: Neutral Impact
3) Red Smiley: Negative Impact

Viewing Articles – Sentimental Grade

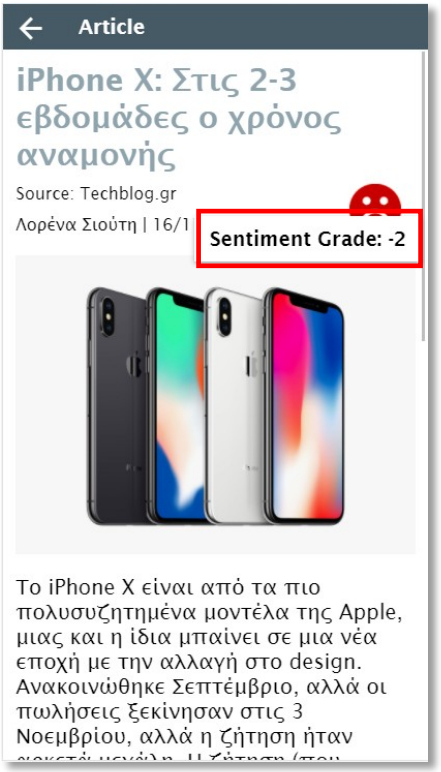


Figure 37

- Following up the previous example, when you click on the Sentiment Icon (The Smiley) the corresponding sentimental grade of the specific article will be shown as shown in **Figure 37**.

The grade resembles the amount of the specific impact the article had to the audience that read it.

Viewing Articles – Save, Delete, Report

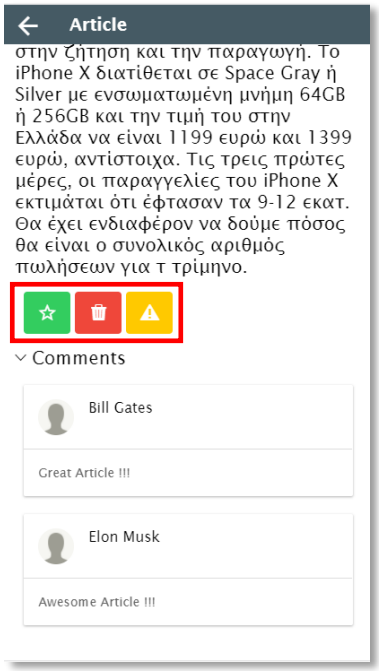


Figure 38

- When you are done reading a specific article you have the option to either Save, Delete or Report that specific article as shown in **Figure 38.**

Viewing Articles – Comments Section

Figure 39

- When viewing a specific article, you can also see the comments included within that article at the bottom of the article view as shown in **Figure 39**.

Logout of your account

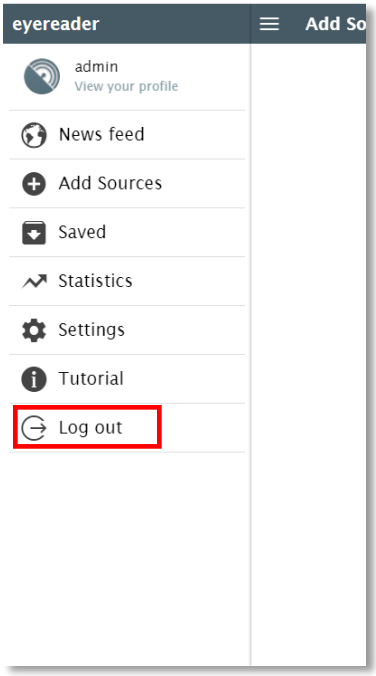


Figure 40

- To logout of your account simply swipe to the right anywhere within the app to access the side panel menu and click the "**Log Out**" option as shown in **Figure 40**.

Logout Confirmation Message

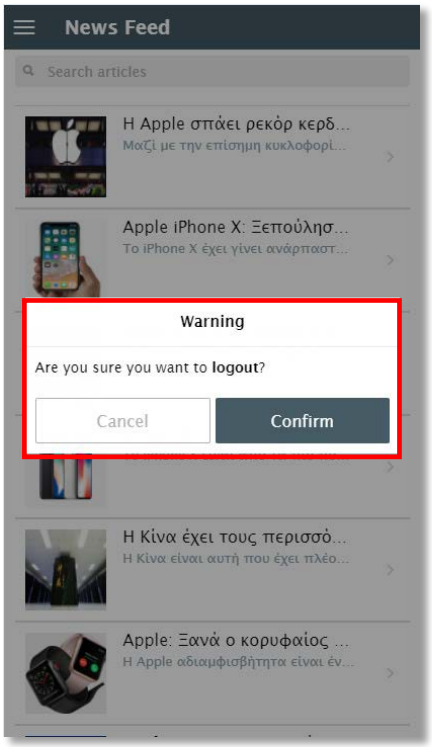


Figure 41

- To logout of your session, tap “Confirm” on the confirmation message which appears as shown in **Figure 41.**