

README

The project was written in Java with Android APIs. The full source code can be opened as an existing project via Android Studio 3.0.1 or above. API 26.

Summary: Pic2Text app imports text out of images on 3 supported languages (Russian, Hebrew, and English) to an editable text file, shareable through apps. Multiple features available explained in the “use instructions” sector. The App supports 3 system languages as well (Russian, Hebrew, and English).

Installing on cellphone

Installing using APK:

<https://drive.google.com/open?id=1Sb-EsaPrG6nPAPm553KPGAwRgH6i9dC>

1. Import APK into the cellphone.
2. Install the APK.

Installing using Android Studio

1. Developed in Android Studio v3.0.1
 - a. Update all the necessary software packages required by the Android Studio. (i.e. API, version, Gradle). API v26.
2. Open existing project in Android Studio.
 - a. Make sure the API and Gradle versions are synchronized.
(i.e. Tools->Android->Sync project with Gradle files).
 - b. Make sure the cache is clean. (i.e. File->Invalidate Cache/restart).
 - c. Uncheck the Instant Run mode.
(i.e. File->Settings->Build, Execution, Deployment->Instant Run).
3. Change your device settings to Software Developers mode.
(e.g. Settings->About device->Software Info->(multiple presses on "Build number" option)).

4. Connect the device to the USB in the PC, and allow MTP connection.
5. Run the app in Studio using "Run App" button (or Shift + F10).

Application use instructions

1. Open the Pic2Text app. The app will be opened in the main screen.
(first use, screen will appear empty).
2. In order to import picture from the gallery, use gallery button:



3. In order to take a picture, use picture button:



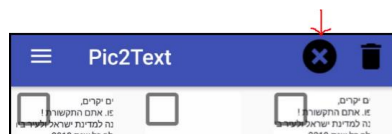
Take a picture and then crop the text in the image.

4. Long press will trigger the CheckBox for every existing file:

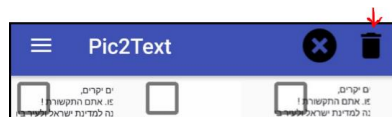


Every click will fill/remove the check mark.

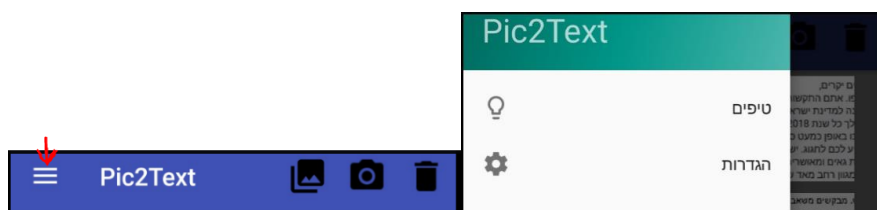
- a. In order to cancel the checking, press physical return button or X button:



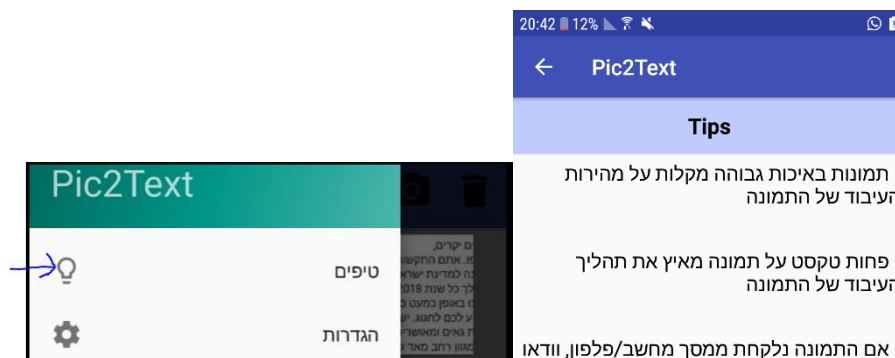
- b. In order to Delete all the marked files, press the delete button:



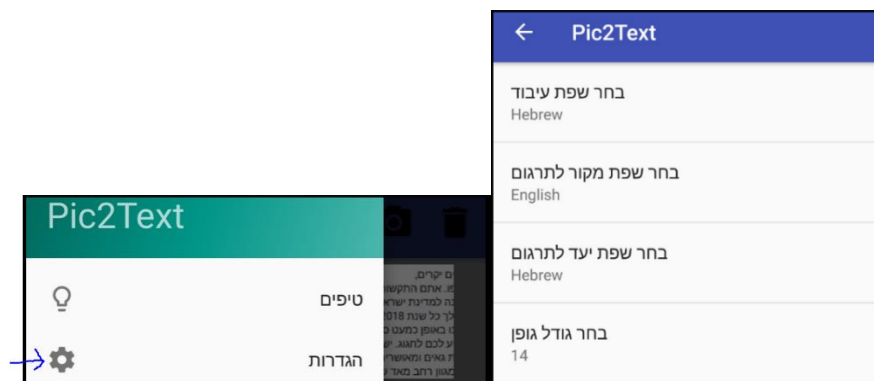
5. Open the side menu using menu button (menu will appear):



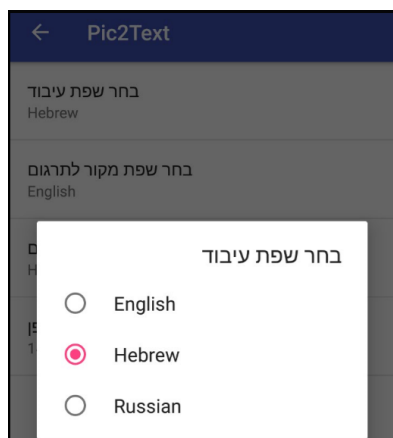
a. Pressing the tips button will open the Tips window of the app:



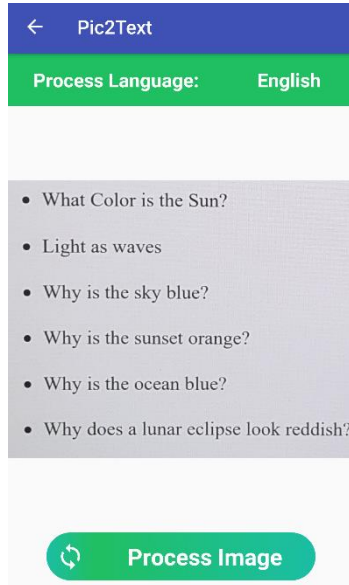
b. Pressing the settings button will open the Settings window:



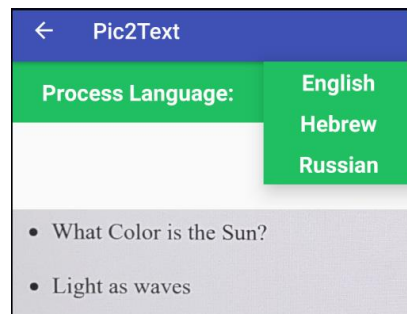
6. Pressing on any option will open a window with choices for each option.



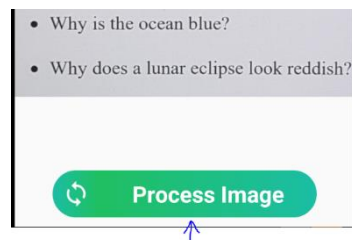
7. After importing a picture (step 2) or taking photo with camera (step 3) the application will show the import screen where you can see the cropped picture:



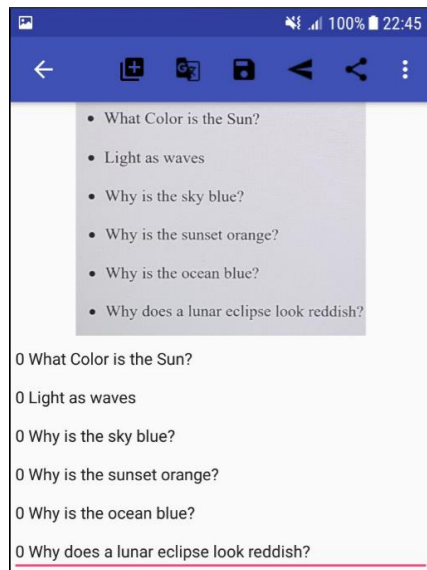
- a. Pressing on the language will show menu with languages to process the image taken:



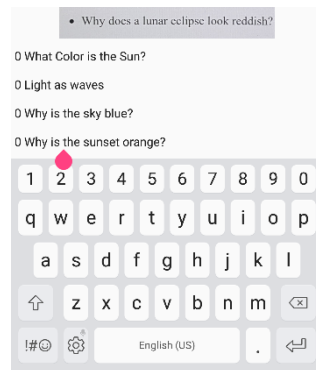
- b. Pressing on the “Process Image” button will start the text importing process and show the processed output:



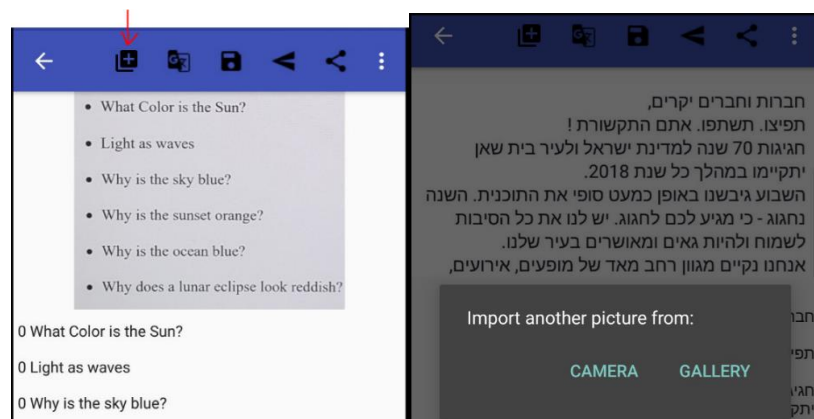
8. In the processed window there will be text shown processed from the image:



a. Pressing on the text will open a keyboard and the text is editable:



b. Pressing the “continuous processin” button will show a message to choose what which source will the next image come from:



- c. Pressing the “Google Translate” button will pass the text to the Google Translate App if installed, otherwise it will open the browser with the text.

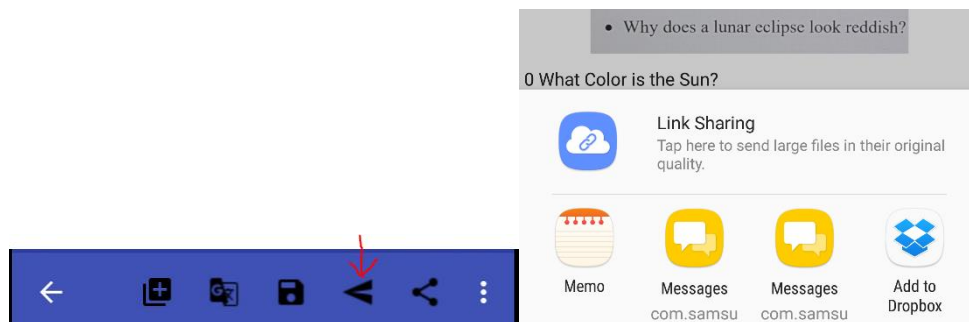


Translate language source and destination are set in the option menu.

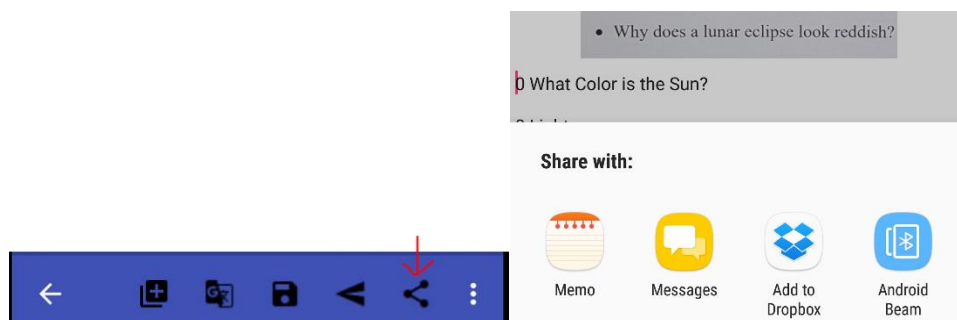
- d. Pressing the “Save” button will save the text as sendable txt file.



- e. Pressing the “Send as File” button will open the Apps that accept txt files.



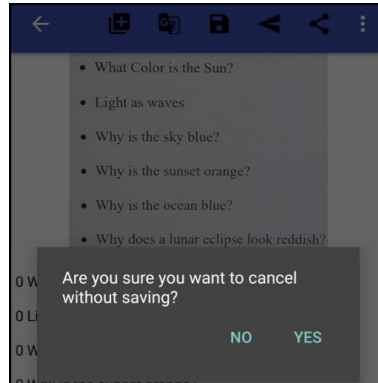
- f. Pressing the “Share text” button will open the Apps that accept pure text sharing.



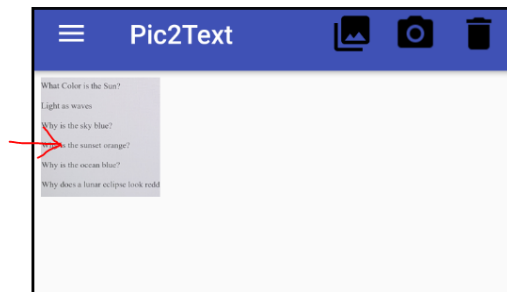
- g. Pressing on the “Menu” button will show a deleting option to delete the existing file.



- h. Pressing on the “return button” or physical return button will return and update the file if its already saved in the App.
- i. If the file not saved yet, warning message will appear.



9. Short press on any file in the Main screen will open the text editing window.



Note: Long press on any Icon button will show buttons purpose.