

Overview

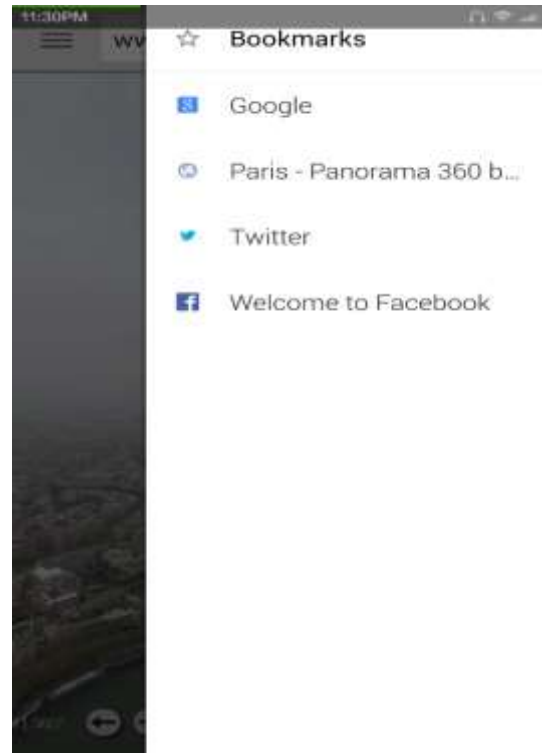
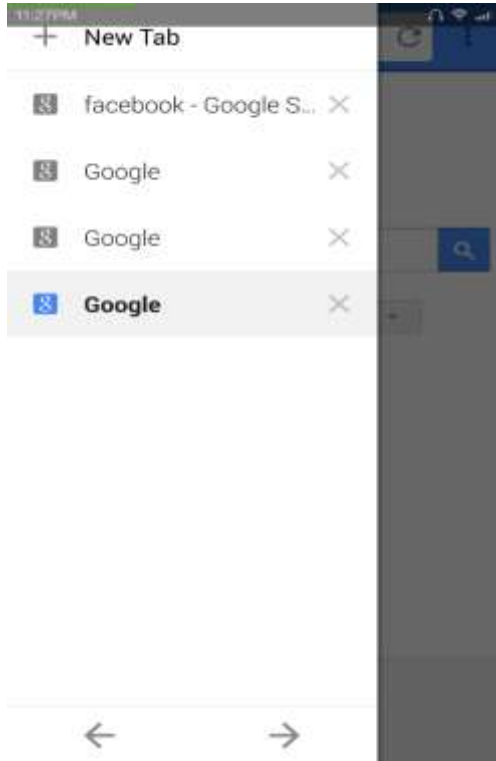
The main theme of this project is to build an Android application that helps the users to find easy way to browse internet with integrated features. The features provided by the Multipurpose Android Application are as follows:

- Mail Services.
- Image Processing.
- GPS.
- Firewall.
- Ad Block.

The proposed system's objectives are to overcome all the limitations and drawbacks of the existing system. The Multipurpose Browser application is user-friendly android application. The main objective of the application is its simplicity of design and ease of implementation that shows and helps to browse easily along with the named features. The interface will be very user-friendly.

Home Screen

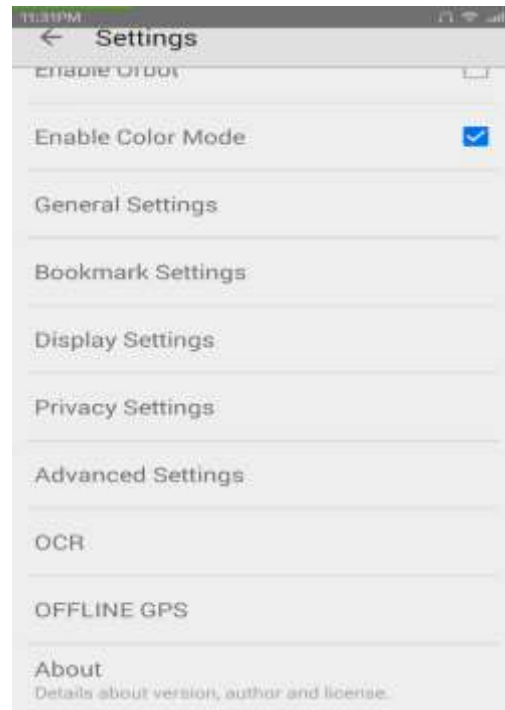
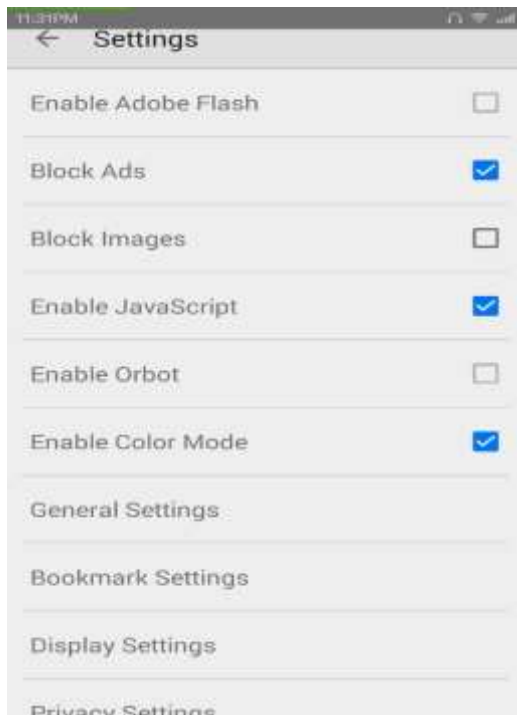




As we can clearly see from the above images the first picture is how the browser looks like it also gives the opening view of the browser and the two pictures are the left and the right dropdown menus of the browser.

The left side pane shows number of tabs opened in the browser and we can delete if we don't want those new tab and in the left pane we can bookmark our favorite websites for the easy access.

Settings Option:



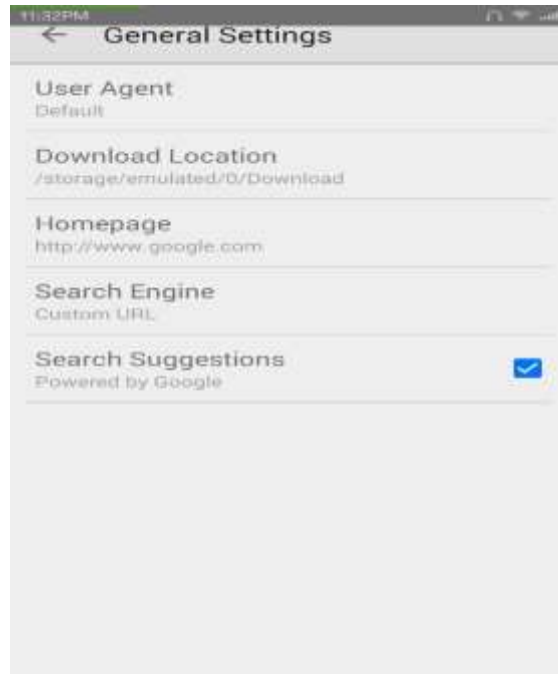
On the right side pane from the top dropdown menu we can find the settings tab from where we can get the dropdown list as shown above in the screenshots. The multi features of this browser can be seen from the list of options above.

Enable Adobe Flash: This option helps us to play some of the flash videos which cannot be played directly we can enable this by checking in that option.

Block Ads and Images: By checking on this option it blocks some of the ads and unrelated popup images this option truly acts like a popup blocker.

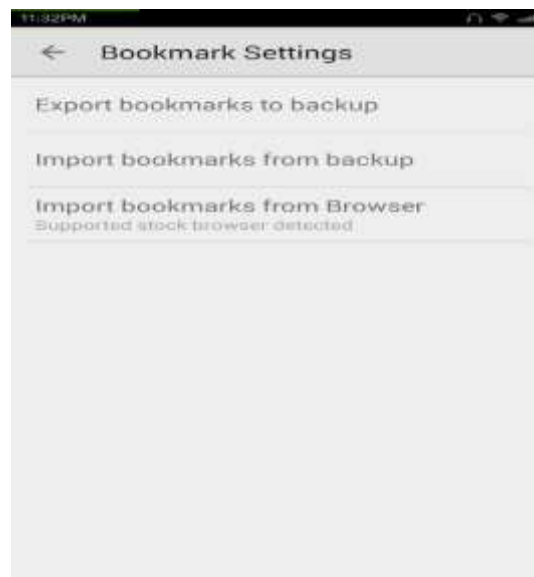
Javascript and Orbot: These two are the security features in the browser it is sometimes necessary not to enable the javascript for security breaches and similarly orbot is one of the security in this browser.

General Settings:



In this specified settings we can all the general information where the downloaded content and some search suggestions unableing etc options are available.

Bookmark Settings:



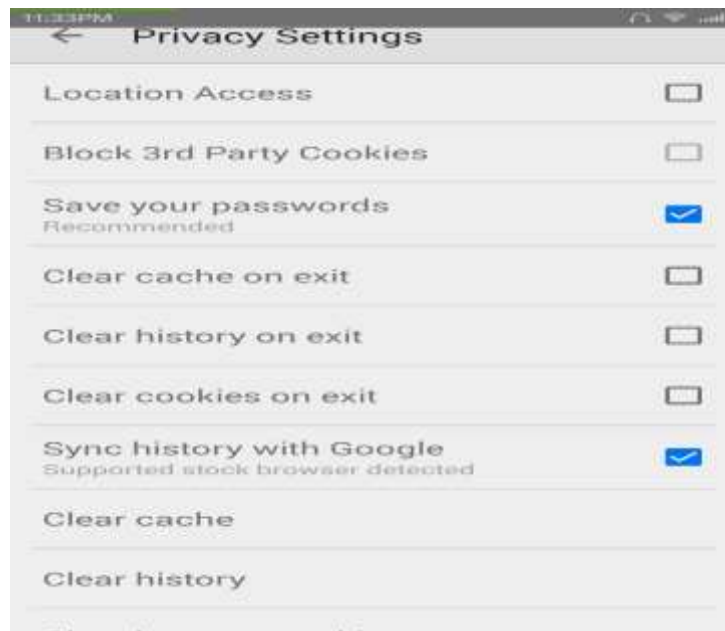
In this settings we can backup the bookmarks that we have done and also at the same time we can import them from the backup and the from the browser.

Display Settings:



In the display settings we can use the options for our view or for the user view as for the full screen mode the size of the text etc for the way we want the browser to look.

Privacy Settings:



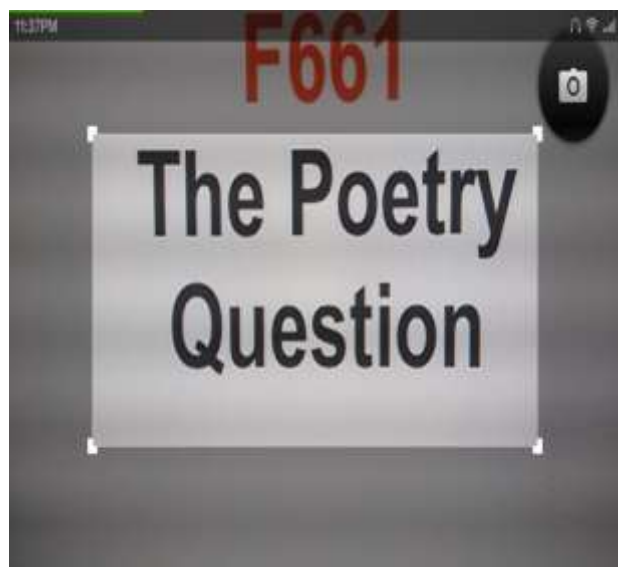
One of the most important feature is the privacy where we allow the access for the other application and others such as clearing up the cache,history etc which is foremost in any browser.

OCR

This is an optical character recognition feature.

Recognition then proceeds as a two-pass process.

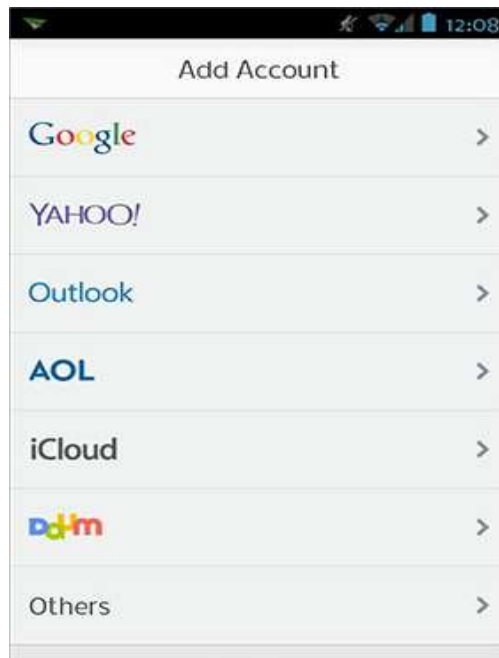
In the first pass, an attempt is made to recognize each word in turn. Each word that is satisfactory is passed to an adaptive classifier as training data. The adaptive classifier then gets a chance to more accurately recognize text lower down the page. Since the adaptive classifier may have learned something useful too late to make a contribution near the top of the page, a second pass is run over the page, in which words that were not recognized well enough are recognized again.



We can use the OCR for some reference and search in the browser instead of typing word to word in the search bar.

Integrated Mail View:

The application supports Gmail, Yahoo, iCloud, Hotmail, Outlook and hosted email servers for domains.



GPS

By using the global Positioning system we can triangulate the users position and the user can track his position wherever which can be used in case of emergencies and also easy the search process in some cases.