

26.01.18



POLITECNICO
DI MILANO

Group Members

Angelo Falci
Julián Gallego

Course

Design and Implementation of Mobile Applications

Oleggo is a smart assistant for all readers that provides help during the entire experience of reading, from taking notes of a book while reading, understanding & applying its contents. Through the interaction of an app with external services, Oleggo creates a library of books, an archive of notes, quotes and new words.

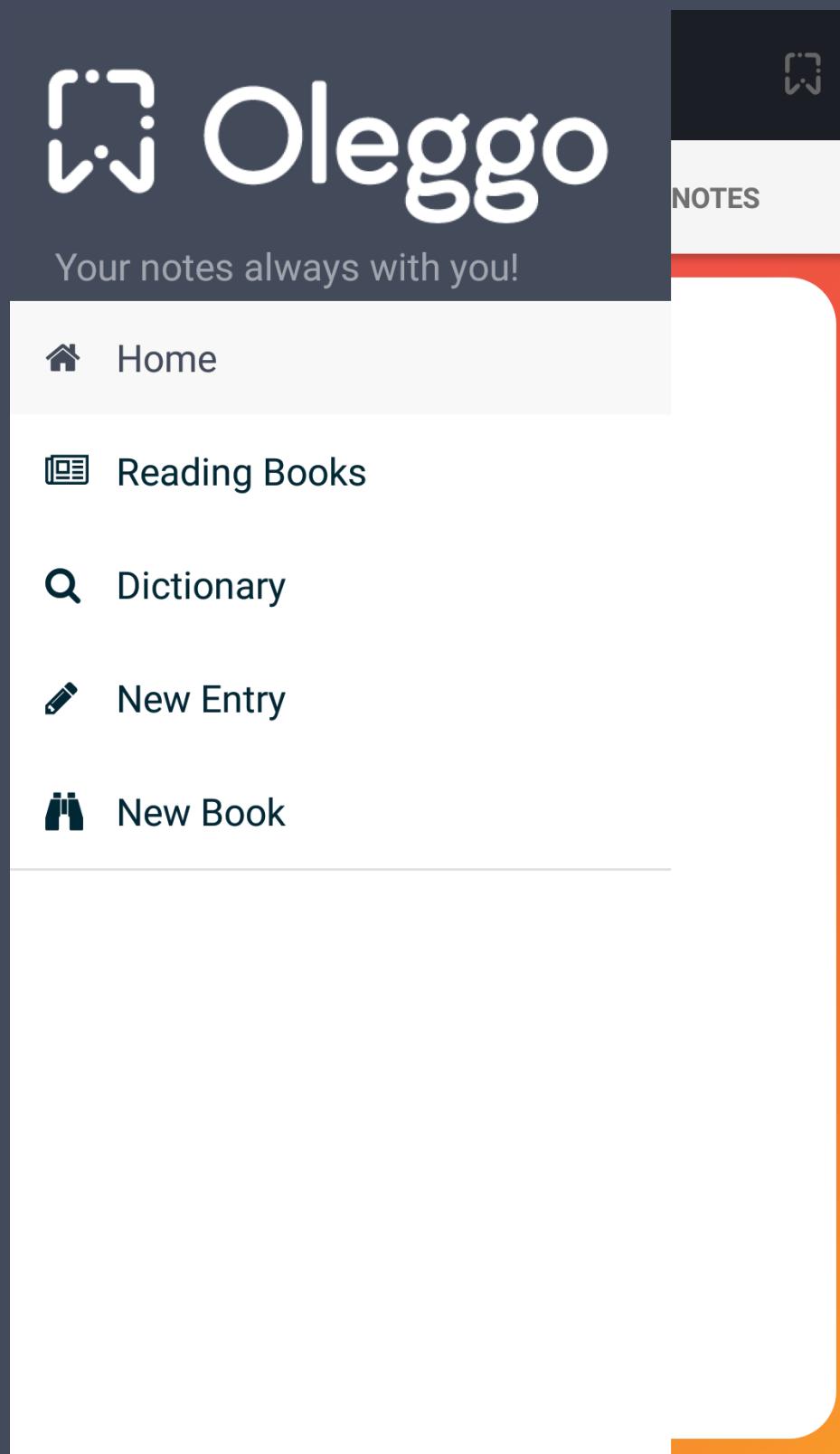


Why use Oleggo?

- Mainly because you can have always with you your notes and a handy dictionary for each book you read.
- Because you can insert notes and search the meaning of the words in a fast way using the speech recognition.
- Moreover for each book you are reading you can save and update a bookmark.



How to use Oleggo?

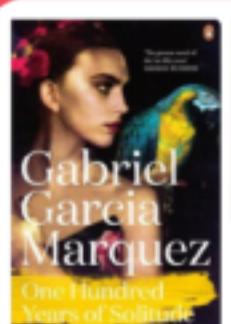


The application is very intuitive to use:

- The side menu at the left of the screen allows to navigate quickly between the different pages.

- The buttons on each screen were designed to have meaningful words or icons to describe its functions.





Gabriel Garcia Marquez
One Hundred Years of Solitude

One Hundred Years of Solitude
by Gabriel Garcia Marquez



Harry Potter and the Deathly Hallows (Book 7)
by J. K. Rowling



L'arte di viaggiare : il manuale degli esploratori inglesi dell'Ottocento secondo le indicazioni della Royal Geographical Society



THE DA VINCI CODE
by Dan Brown



2 Notes 3 Dictionary

Harry Potter and the Deathly Hallows (Book 7)

J. K. Rowling



13%

784 pages

Add Notes

Enter the word or note



Tap to talk

ADD NOTE

GET DEFINITION

Add New Books

Insert ISBN

SEARCH ISBN



Scan Book barcode

Oleggo

LIBRARY

FAVORITE NOTES

Mon Jan 22 2018 10:12

Harry is brave

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page 100



Mon Jan 22 2018 10:13

There have been too many mistakes where Harry Potter is concerned

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page 120



Main Functions

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Brave
Strong in the face of fear; courageous.

Mage
fantasy A magician, wizard or sorcerer.

Oleggo

NOTES **INFO** **DICTIONARY**

Harry Potter and the Deathly Hallows (Book 7)
J. K. Rowling

13%  784 pages



Oleggo

NOTES **INFO** **DICTIONARY**

Harry Potter and the Deathly Hallows (Book 7)
J. K. Rowling

I am on page: 105

13%  784 pages

Dictionary

I HAVE FINISHED THE BOOK (Book 7)

UPDATE PROGRESS

Harry Potter and the Deathly Hallows (Book 7)
J. K. Rowling

13%  784 pages

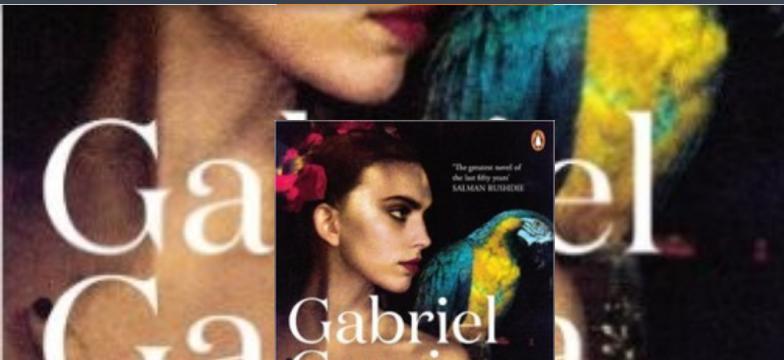


Oleggo

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2 Notes 3 Dictionary



NOTES **INFO** **DICTIONARY**

Mon Jan 22 2018 10:13
There have been too many mistakes where Harry Potter is concerned

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page 120



Mon Jan 22 2018 10:15
ripping part of his soul, and that is just by making one horocrux

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page 154



Mon Jan 22 2018 10:15
Expelliarmus is a useful spell, Harry

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page



Mon Jan 22 2018 10:16
Yes, Voldemort is playing a clever game

Harry Potter and the Deathly Hallows (Book 7), J. K. Rowling, page





Book Detail

Manage your content by organising your own books. Activate a book for reading, check your quotes or dictionary and update your progress.

The Oleggo mobile application interface is shown. At the top, there's a navigation bar with a menu icon, the app name "Oleggo", and a search icon. Below the navigation is a header with "LIBRARY" and "FAVORITE NOTES" tabs.

LIBRARY:

- One Hundred Years of Solitude by Gabriel García Marquez
- Harry Potter and the Deathly Hallows (Book 7) by J. K. Rowling
- The Da Vinci Code by Dan Brown
- The Lord of the Rings by J.R.R. Tolkien

FAVORITE NOTES:

- L'arte di viaggiare : il manuale degli esploratori inglesi dell'Ottocento secondo le indicazioni della Royal Geographical Society by a cura di Graziella Martina
- frei geist ... gut leben am Rande des Systems by Manfred Grelinger

At the bottom, there's a footer with the Oleggo logo and the tagline "Your notes always with you!". It includes a "NOTES" tab and a list of navigation items:

- Home
- Reading Books
- Dictionary
- New Entry
- New Book

Add New Books

Insert ISBN

SEARCH ISBN

Scan Book barcode

Add New Books



New book



ISBN code



New book

Oleggo



Oleggo



LIBRARY

FAVORITE NOTES

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Dictionary



Write the word to search

**Brave***Strong in the face of fear; courageous.***Good***of people***Mage***fantasy A magician, wizard or sorcerer.***World***with "the" Human collective existence; existence in general.*

Add Notes and Words

Add Notes

Enter the word or note

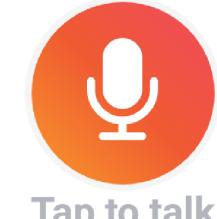
Enter the page of the book (optionally)

Tap to talk

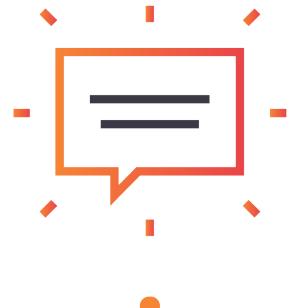
ADD NOTE GET DEFINITION



New entry



Tap to talk

 Record word
or note Add Note or
get definition

Oleggo

Plugins and External Services



User
↓



App



Internet



APIs to look for information about books using ISBN.



API to search the meaning of a word.



Plugin for using the camera as barcode scanner.

Plugin for speech recognition.

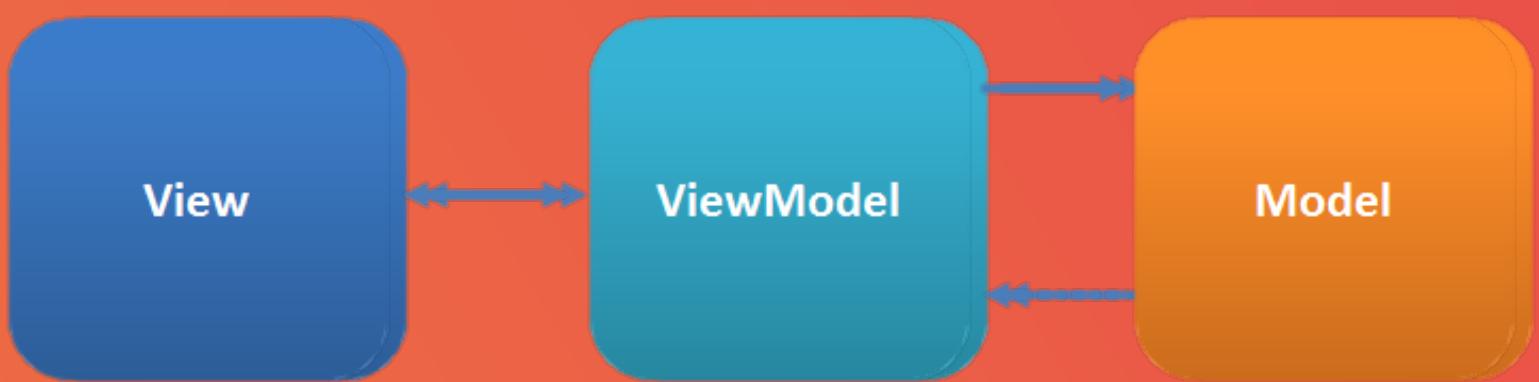
Plugin for SQLite.

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Architecture

The calls to the services that may require an extensive time to compute are done in an asynchronous way using a system object called "promise".

- **Database query**
- **ISBN search**
- **Word definition**
- **Speech recognition**



In this way eventual slowdowns caused by these operations won't influence the application UI .



— From *Olé*, the exclamation of praise of the artist & Leggo, I read —