



Project Proposal

Google books web api browser

Android Application Development | March 29, 2020

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# Description

I plan on using Google Books Web API Browser with a Database, Navigation Drawer, Notifications and ListViews. The user will be able to select a Home button and About button from Navigation Drawer. On clicking Home button from Navigation drawer, it would allow user to search Books using book title and/or author of the book. And, “About button” will explain about Google Books Web API.

A screenshot of a cell phone

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Figure 1 Navigation Drawer showing Home and About Button

# ListView Prototype

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Figure 2 ListViews Prototype of Books Listing

ListViews Prototype in Figure 2 show how the book will be listed when user clicks on “Search Related Books” in Figure 1. Each book instance will have Small Thumbnail Image, Book Title, Book Author, Publisher and Publication date. And, on clicking either one of them it would open Book Details page which Figure 3.

# Book Details Prototype

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Figure 3 Book Details Page with Notify Button

Book Details page will contain Book’s Cover photo, Title, Author, Publisher, Date of publication and Description of the book. There is a “Notify button” in the Figure which on clicked will send a notification with Book Title. And on clicking notification it would open respected Book Details Page.

# Breadth and API requirements

Application uses

* Web based service to access content
* 3 separate activities
* Activity using multiple fragments
* TextField
* EditText
* Buttons
* LinearLayout

Features used

* Loading an image from the Website
* Navigation Drawer
* Notification
* ListView