



IT 4403 ADVANCED MOBILE AND WEB APPLICATIONS STUDY GUIDE

MODULE 6: GOOGLE BOOKS APIS

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OVERVIEW AND LEARNING OUTCOMES

In this module, we are going to focus on the Google Books API. We are going to use this API as an example case to have some intensive practice and see how a real-world Web API is implemented and consumed. After completing this module, you will be able to:

1. Test drive major web APIs including Microsoft Azure, and Google APIs
2. Use Google Books APIs to search books, get book details of a single book.
3. Use Google Books APIs to get books from public bookshelves.
4. Use Google Books Preview API

This module is related to course level learning outcomes 3 and 5.

TASK LIST

1. Thoroughly read the documentations and guides provided by Google on Google Books API.
2. Review the lecture notes and some examples given by the instructor. Try it yourself to rewrite the examples compare your code to the examples provided.
3. Lab 5: no submission; practice until you feel comfortable and confident to being milestone #2.
4. This module concludes milestone 2 (module 4 and 5), with an additional week, you should also:
 - a. Complete quiz #2
 - b. Complete individual project milestone #2

LEARNING MATERIALS

1. Core learning materials
 - a. Google Books API official site: <https://developers.google.com/books/>
 - b. Books API v1 guide:
 - i. Overview: <https://developers.google.com/books/docs/overview>
 - ii. https://developers.google.com/books/docs/v1/getting_started
 - iii. <https://developers.google.com/books/docs/v1/using>
 - iv. https://developers.google.com/books/docs/viewer/developers_guide
2. References
 - a. <https://developers.google.com/books/docs/v1/reference/volumes>
 - b. <https://developers.google.com/books/docs/v1/reference/bookshelves>
 - c. More on the left menu
3. Lecture notes (Google Books API.pdf) with examples
4. Lab 5 google books.pdf
5. More resources
 - a. Libraries and samples: <https://developers.google.com/books/docs/v1/libraries>