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# Free iCS Discover's Book Search

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## Description

Free iCS Discovers Google Book Search: This project shows how to use Google Books API, bootstrap with Angular to build a Google Book Search.

## Prerequisites

The developer should have prior knowledge of NodeJs, Building application using Angular, HTML5, CSS, TypeScript and JavaScript. Here are some useful references:

NodeJS: <https://nodejs.org/en/>

Create Angular App: <https://angular.io/tutorial/toh-pt0>

HTML Tutorial: <https://www.w3schools.com/html/>

CSS Tutorial: <https://www.w3schools.com/css/>

JavaScript Tutorial: <https://www.w3schools.com/js/>

TypeScript Tutorial: <https://www.typescripttutorial.net/>

For further details on a demo of this application running on Heroku cloud, please refer to <https://angular-book-search.herokuapp.com/>

## Configure and Run

1. Install NodeJS
2. Download/Obtain the code
3. Open command prompt/console and go to the root directory of the source code (i.e. `.../angular-book-search`)
4. `npm install`
5. `ng serve`
6. Now launch a web browser and go to <http://localhost:4200>

## Presentation Layer (View)

`.../angular-book-search/src/app/book/...`: The directory and its subdirectories contain Book Search & Result Renderer Screen and Related Event Handler Code

## Data Layer (Model)

.../angular-book-search/src/app/services/...: The application uses Google Book Search REST API to retrieve the data. The directory and its subdirectories contain necessary code for rest api calls.

## Possible Customizations

1. Customize the search screen with personal look & feel and other components
2. Customize the search result screen with personal look & feel and other components
3. Add mobile front end using the Web View component for this search via cloud

