main.rb

*require* 'sinatra' *#Equivalent to the source code in JS, HTML etc.  
require* 'sinatra/reloader'  
*require* 'httparty'  
*require* 'sqlite3'  
  
*class* Book  
 *include* HTTParty  
 *def* retrieve\_book(title)  
 books = HTTParty.*get*("https://www.googleapis.com/books/v1/volumes?q=title#{title}")  
 resHash = JSON.parse(books.body)  
 title = resHash["items"][0]["volumeInfo"]["title"]  
 image\_url = resHash["items"][0]["volumeInfo"]["imageLinks"]["thumbnail"]  
 {title: title, image\_url: image\_url} *#object with hashed values  
 end  
end  
  
get* '/book\_title' *do  
 erb* :home  
*end*post '/retrieve\_book' *do* get\_book = Book.new  
 @book = get\_book.retrieve\_book(params[:title])  
 *erb* :fetch\_result  
*end  
  
get* '/' *do* db = SQLite3::Database.new("bookshelf.db")  
 db.results\_as\_hash = *true* @book = db.execute("INSERT \* into bookshelf")  
 db.close  
 *erb* :fetch\_result  
*end*

home.erb

<form *method*="post" *action*="/retrieve\_book">  
 Book Title: <input *type*="text" *name*="title" *placeholder*="Enter Book Title">  
  
 <button *type*="submit">Find Book</button>  
</form>

fetch\_result.erb

<ul>  
 <li>Title: <%= @book[:title] %> </li>  
 <li><img *src*="<%= @book[:image\_url] %>"> </li>  
</ul>

layout.erb

<!DOCTYPE *html*>  
<html *lang*="en">  
<head>  
 <meta *charset*="UTF-8">  
 <link *rel*="stylesheet" *href*="/master.css">  
 <link *rel*="stylesheet" *href*="/style.css">  
 <title>Using Sinatra to Fetch Books</title>  
</head>  
<body>  
 <nav>  
 <ul>  
 <li><a *href*="/book\_title">Home</a></li>  
 </ul>  
 </nav>  
​  
 <%= *yield* %>  
  
</body>  
</html>