

# AngularJS, MVC, Bootstrap with Microsoft Web Api and Entity Framework

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# What are the technologies?

AngularJS - a structural framework for dynamic web apps. It lets you use HTML as your template language and lets you extend HTML's syntax to express your application's components clearly and succinctly. Angular's data binding and dependency injection eliminate much of the code you would otherwise have to write.

Bootstrap - a free and open-source collection of tools for creating websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.

# What are the technologies?

Underscore JS - provides over 100 functions that support both your favorite workaday functional helpers: map, filter, invoke — as well as more specialized goodies: function binding, javascript templating, creating quick indexes, deep equality testing, and so on.

Toastr - a Javascript library for Gnome / Growl type non-blocking notifications. jQuery is required.

# What are the technologies?

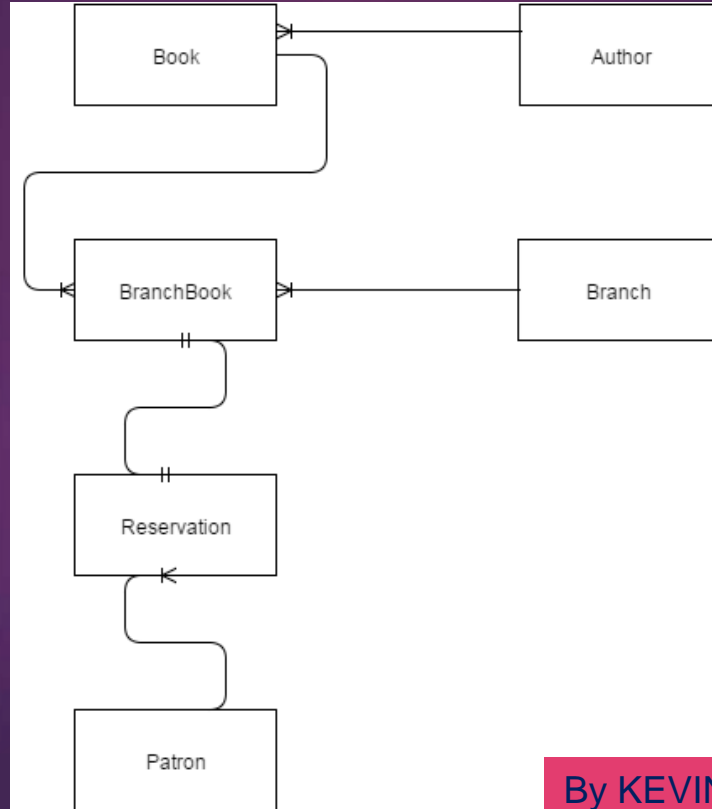
- Microsoft Web Api - a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.
- Microsoft Entity Framework - an object-relational mapper that enables .NET developers to work with relational data using domain-specific objects. It eliminates the need for most of the data-access code that developers usually need to write.

# What are we building?

-A Library Reservation system with following features:

- 1) Search books
- 2) Reserve books from a specific branch
- 3) View existing Reservations
- 4) Delete existing Reservation

# Relational Structure



# Visual Studio

-We will be developing in the Microsoft Visual Studio IDE, they offer a free version called Community Edition: <https://www.visualstudio.com/products/visual-studio-community-vs>