# Application Development frameworks

When developing a web application, we can follow several different routes during development:

* The web application can be built from scratch (E.g. with HTML and CSS)
* We can utilize a web framework (E.g. Spring MVC, JSF, Vaadin, google app engine)
* We can use a content management system (E.g Wordpress, Drupal)

From Scratch

Web Framework

Content management System

If we develop an application from scratch, we will have a lot of control over how we build the application and what functions that we put in. However, making an application this way will take considerably more time than if we make use of a web framework or CMS.

Using a content management system will significantly speed up the development, with some systems giving the option to generate a functioning website in only several clicks. These systems are typically much more limited in the possible applications that you can develop on it in comparison to working from scratch or using web frameworks.

A web framework gives us a multitude of pre-made tools and systems to work with, which makes it easier and faster to build a working system. It still retains a significant amount of freedom to develop as we like in comparison to CMS.