Tutorials

> ⚠ DEPRECATED: moved to http://struts.apache.org/getting-started/

Several tutorials are available to help you get started with the framework, from all-purpose "soup to nuts" tutorials to specialty tutorials on portlets and database access.

Primers

- [Bootstrap](#) - few simple steps how to start with Struts 2
- [Struts 2 + Spring 2 + JPA + AJAX](#)
- ⭐ [Struts 2 / Hibernate Tutorial](#)
- ⭐ [Struts 2, Spring 3, JPA 2, Maven Example](#)

Speciality

- [Extending an Application with Custom Plugins](#)
- [CRUD Made Easy](#)
- [Creating java web applications with AngularJS and Struts2](#)
- [4 Easy Steps to create a Java based Web Application with Struts2 and jQuery](#)
- [JasperReports Tutorial](#)
- [Portlet Tutorial](#)
- [Developing a Portlet using Eclipse](#)
- [Struts 2 JUnit Plugin Tutorial](#)

Examples

Several example applications are bundled with the framework, as ready-to-deploy WARs.

Blank	An "empty" application that you can use as the starting point for your own projects.
MailReader	A simple application that demonstrates best practices.
Portlet	An application demonstrating portlet support
Showcase	A sampling of common (and not so common) use cases.
[Other Examples](#)	Simple examples and links to "powered by" sites

For the complete source code to the applications, see the source code [distribution](#).

Errata?

> ✅ To suggest a change or a correction to any part of the documentation, log in and leave a comment on the appropriate page. We are always looking for [help with the documentation!](#)

Next: [Guides](#)