

## SYSC 4806 – Lab 4: Simple Spring MVC AddressBook App

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In this lab we are finally ready to build a simple Spring MVC AddressBook App! If you haven't completed Part II of Lab 3 yet, first go do that, because you're going to use it for what is to follow.

Next, you need to provide controllers that allow a user to create an addressbook, and add/remove buddies. No GUI required: you should be able to interact with your app using `curl` or some other command line tool. In that case your controllers should be REST controllers consuming and producing JSON-formatted data. Otherwise (if you insist!) you can provide a rudimentary GUI using Thymeleaf or other templating view to render a form or list the buddies.

The following brief Spring tutorials will be helpful. There's quite a bit of redundancy between them, so you should be able to go through them very quickly. Also, there may be more than way to achieve things!

- [Serving Web Content with Spring MVC](#)
- [Building a RESTful Web Service](#)
- [Accessing JPA Data with REST](#)
- [Handling Form Submission](#)

Optional for this week: if you're all done, feel free to test your app now! [This more comprehensive tutorial](#) shows how to write simple unit tests and integration tests for your Spring MVC app. Just go directly to the section called "Add Unit Tests".

When you're done, show your work to the TA.