Java Web Fundamentals

INTRODUCTION

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Introduction

Overview

Why do you need to understand Servlets and JSPs?

Tools used during this course

Creating web applications

What's in the rest of the course

Java Web Programming

Java web typically made up of Servlets and Java Server Pages

- Many frameworks, e.g. Struts build on top of these specifications

- There are other aspects such as Filters and Listeners

Maven

```
<project>
    <groupId>com.mantiso</groupId>
    <artifactId>mvnblog</artifactId>
    <version>1.0-SNAPSHOT</version>
    <packaging>war</packaging>
</project>
```
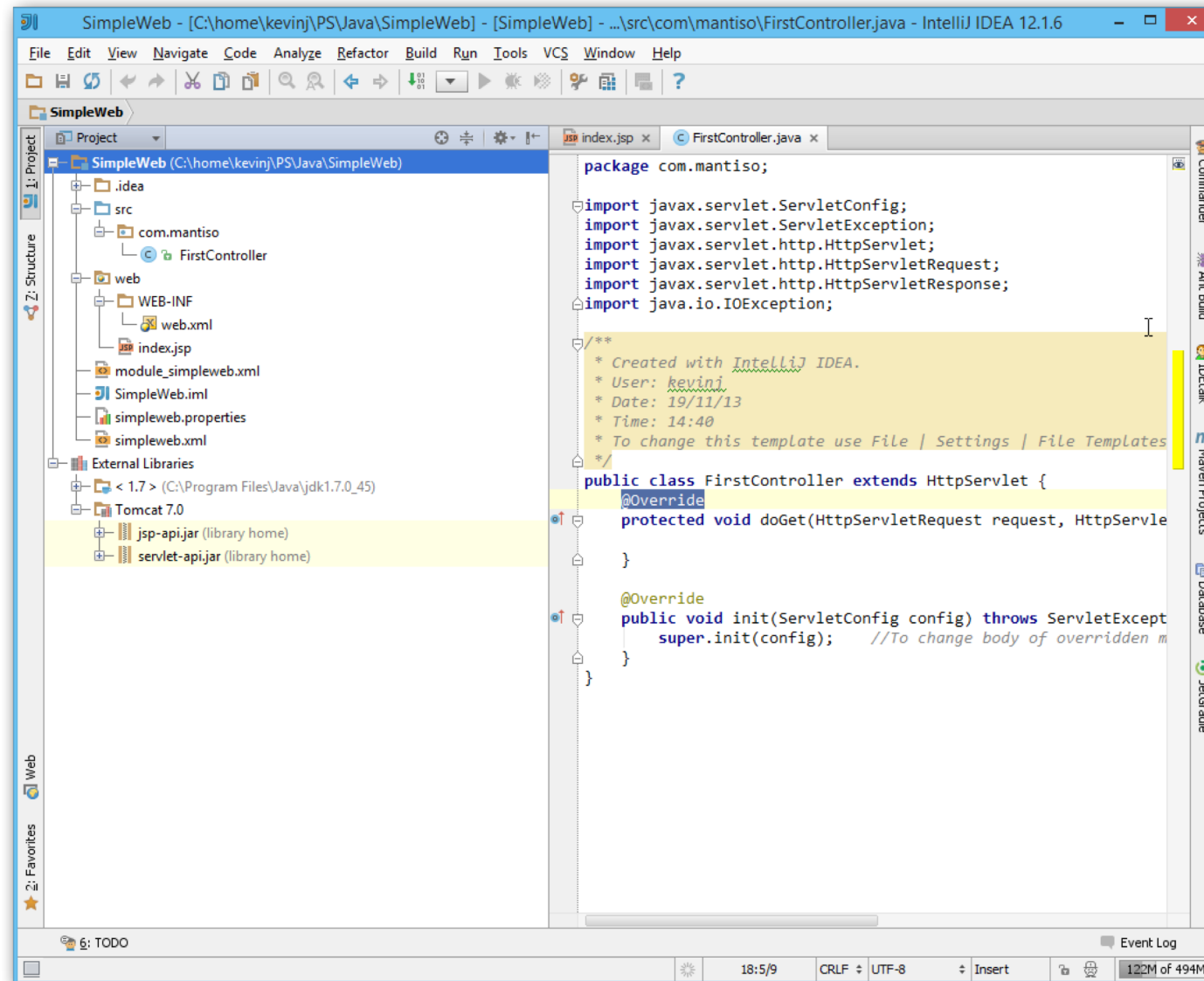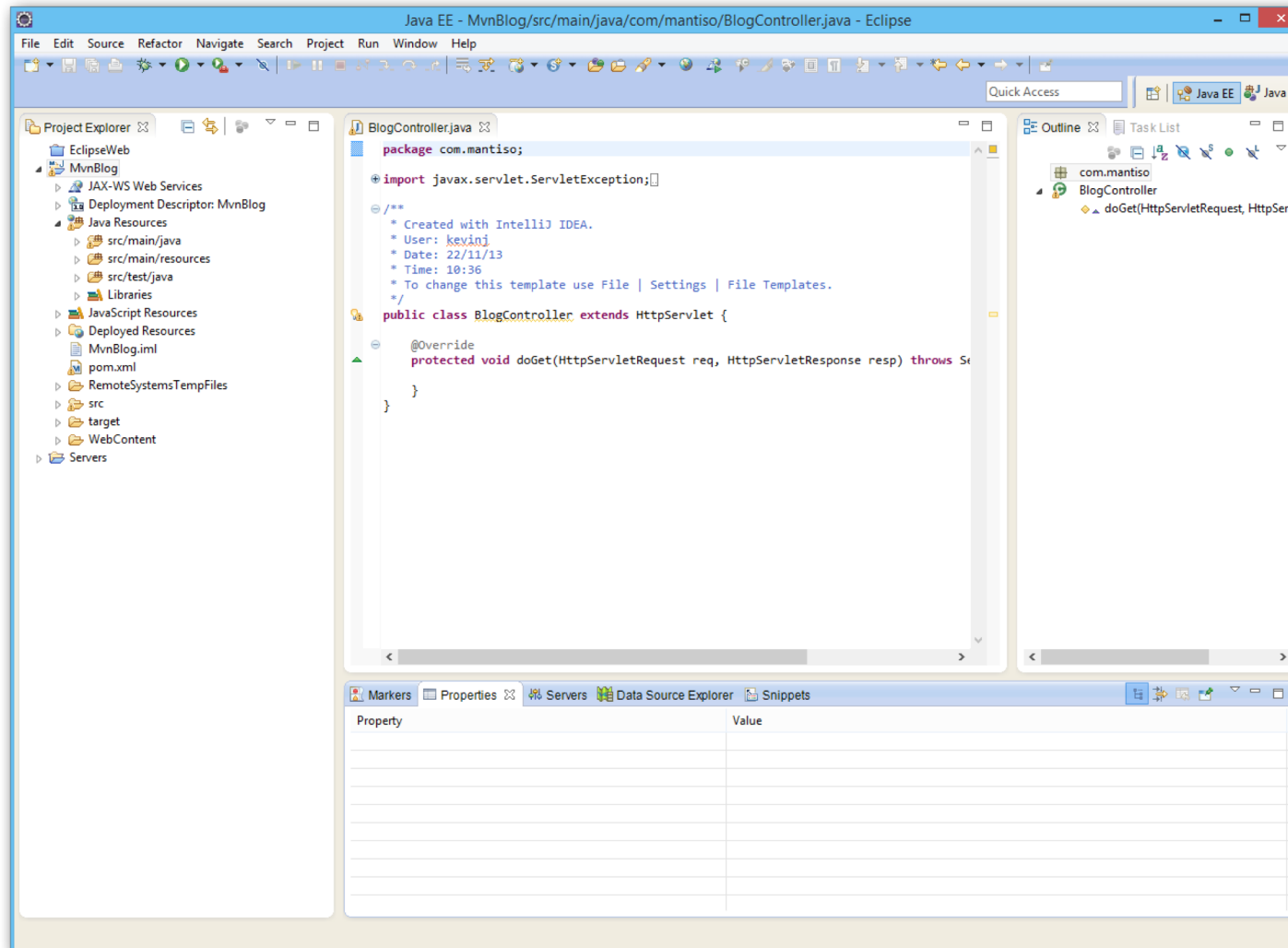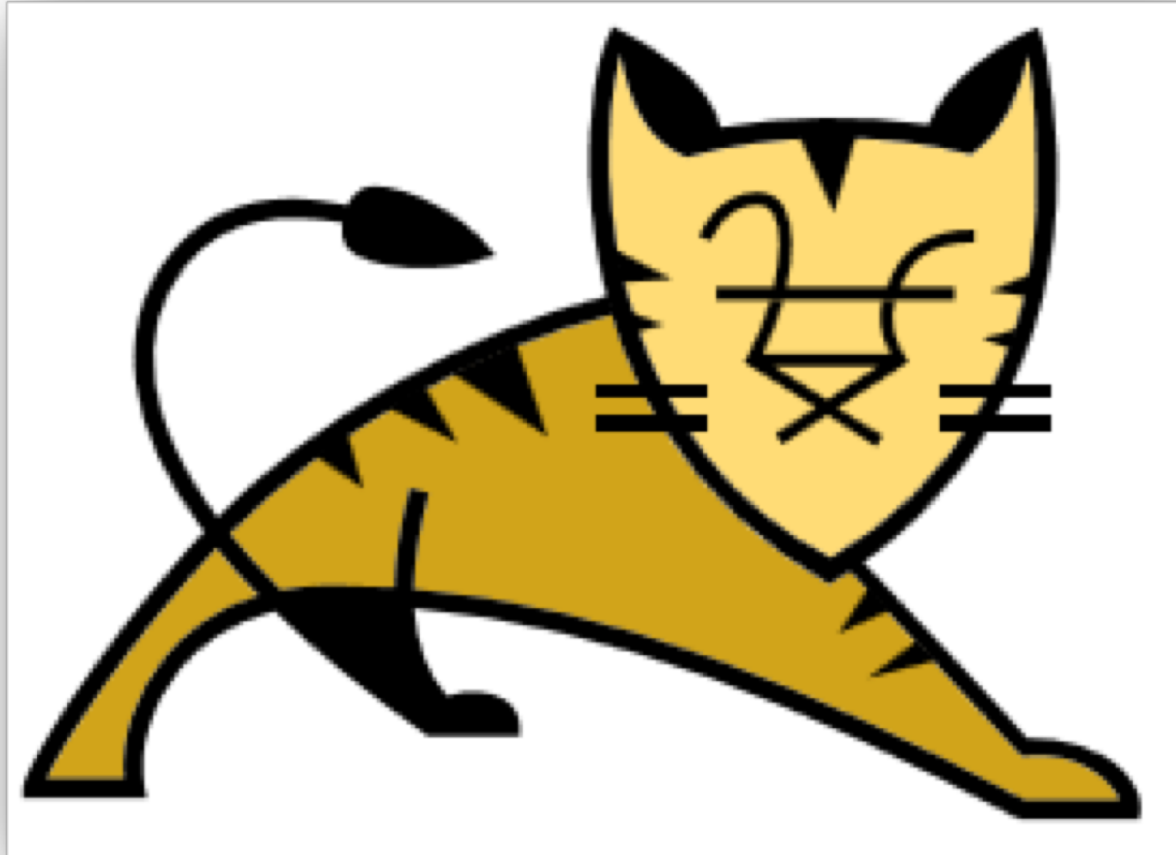
IDE – IntelliJ Idea

IDE-Eclipse

Web Server

Deploying to a Web Server

Unit of deployment is called a 'web application'

➡ – A web application is a deployable unit of content and configuration

➡ – Request routed to application using **URL base**

➡ – Web applications may contain static content

➡ – Web applications may contain dynamically generated content
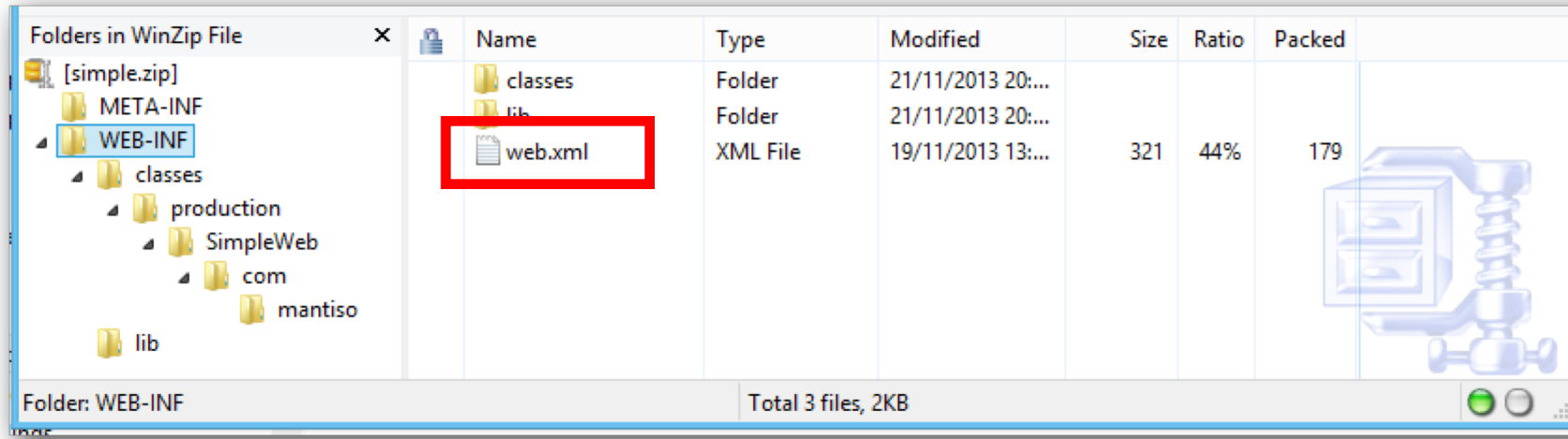
http://someserver/myapp/endpoint

Deployment

Java web applications have a standard structure

- Applications can be deployed by simply copying files

Can also deploy as a .war file

- Web Archive

What's in the Rest of the Course

Servlets

JSP

Expression Language

Java Standard Tag Library

Filters

Listeners

Asynchronous Programming

What's Next