

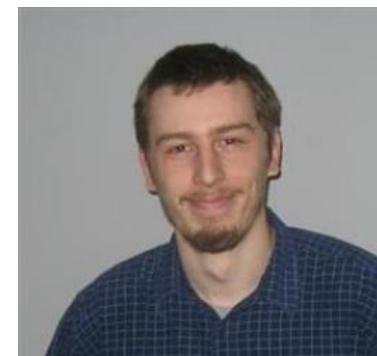


Center for Career Development

by LINKgroup

JOLE
(Java Oracle Linux Enthusiast)

Nino Magazinović
nino.magazinovic@gmail.com





by LINKgroup
Center for Career Development

Java - ultimativni priručnik

od (nepoznatog) početnika do (poznatog) profesionalca

Nino Magazinović
nino.magazinovic@gmail.com





ŽENA MAJKA KRALJICA



KUMA BABA CAR



TRAŽE PREDZVANJE

TRAŽE UVIJEK NEŠTO NOVO

TRAŽE ...



MANJE SE ŽIVI, VIŠE SE RADI

NOVO DOBA



LAŽNA UVJERENJA

ŽIVOTNO RAZOČARENJE

KRIVI PROFESORI

KRIVA DRŽAVA

SVI KRIVI...

BOLEST, STAROST I NEIMAŠTINA

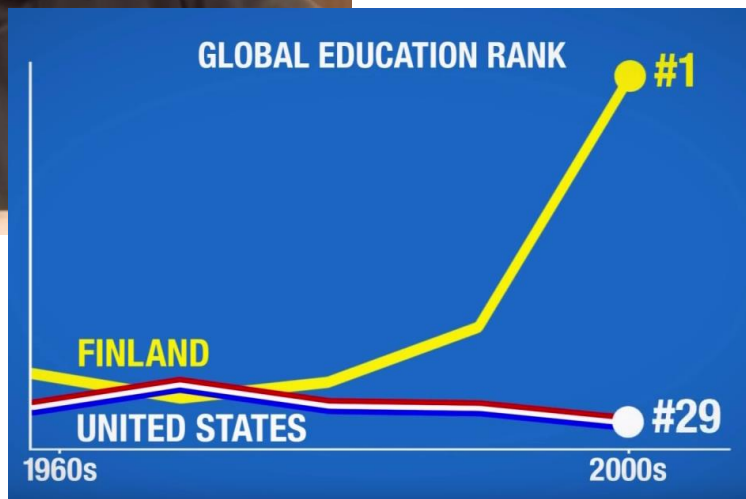


„Prvo se dobro isplačes, baš dobro, ko dete, ...”

Film: „Čekaj me, ja sigurno neću doći”



GDJE JE KLJUČ USPJEHA



Michael Moore dokumentarac: "Where to Invade Next"



Temelji svakog uspjeha

mentor

sloboda/mir

uzivanje/ljubav



- Put i usmjerenje
- Rasterećenje
- Nadahnuće



Center for Career Development

by LINKgroup



Jamie Oliver



Miroljub Petrović



Michael Moore



Arun Gupta



Adam Bien



Yong Mook Kim



Antonio Goncalves



Lars Vogel



Geertjan Wielenga



Miško Hevery



Dan Wahlin



John Papa



Shawn Wildermuth



Todd Motto



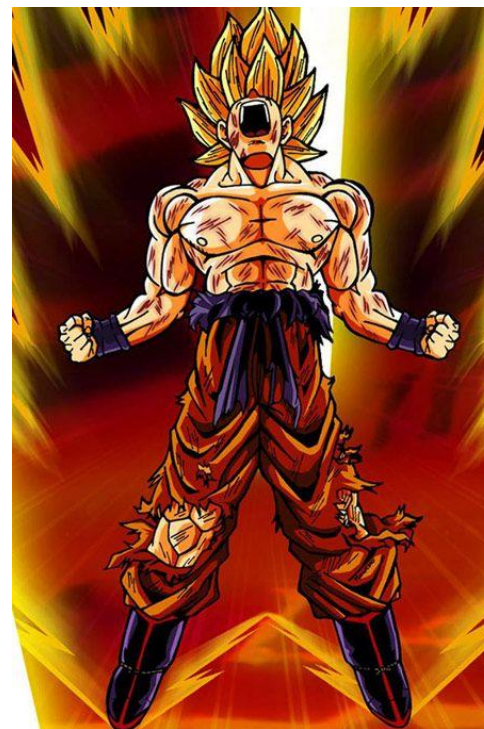
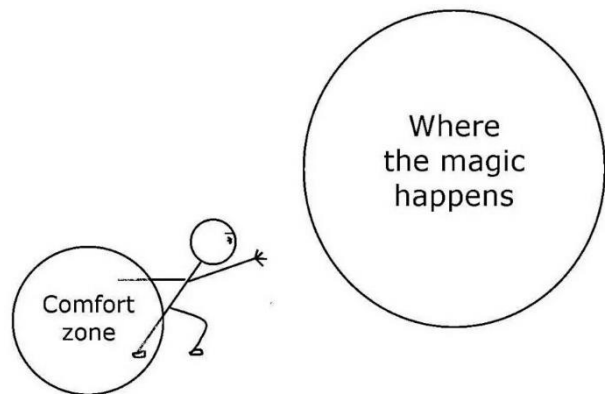
Josh Morony



Nic Raboy



IZ JESENI U PROLJEĆE



SLOBODA I UŽIVANJE

BUDITE NAJJAČA VERZIJA SEBE



STATISTIKA I REALNOST



- 97% of Enterprise Desktops Run Java
- 89% of Desktops (or Computers) in the U.S. Run Java
- 9 Million Java Developers Worldwide
- #1 Choice for Developers
- #1 Development Platform
- 3 Billion Mobile Phones Run Java
- 100% of Blu-ray Disc Players Ship with Java
- 5 Billion Java Cards in Use
- 125 million TV devices run Java
- 5 of the Top 5 Original Equipment Manufacturers Ship Java ME

Izvor: <https://java.com/en/about>

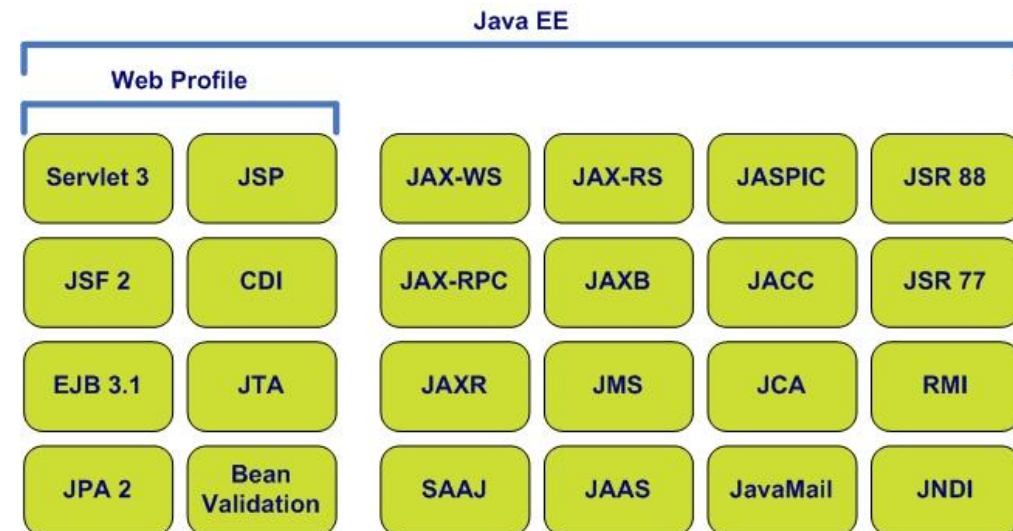
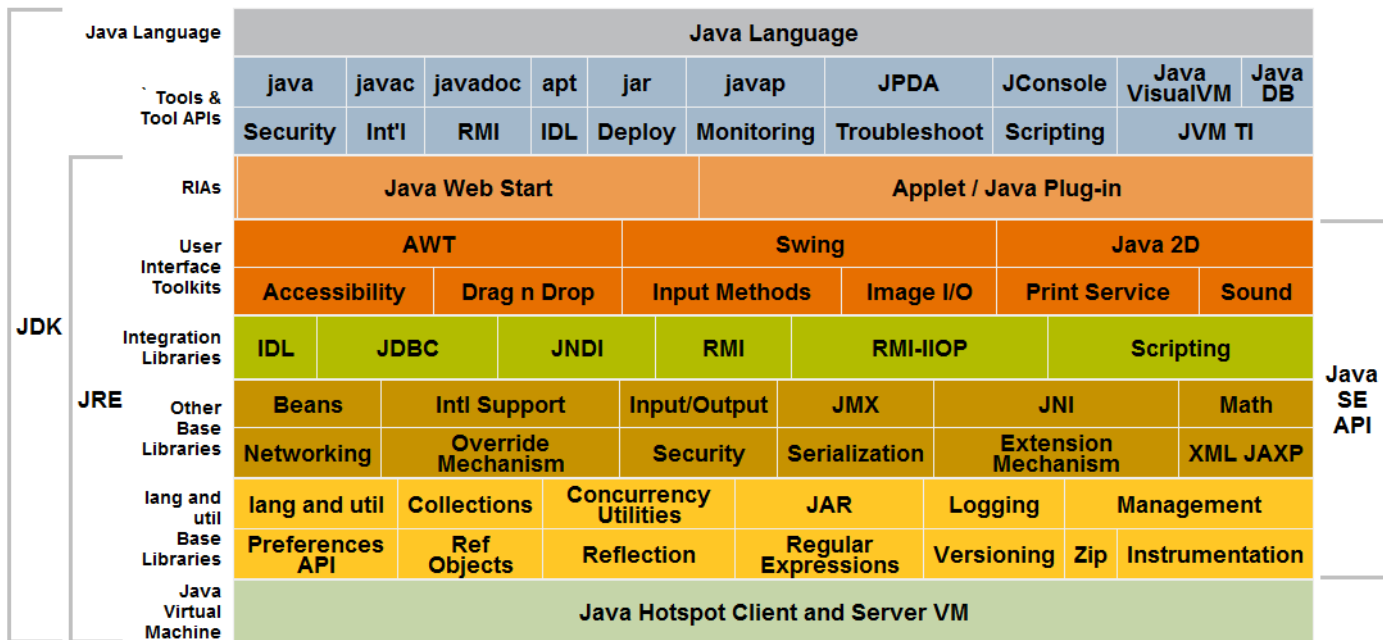
Jun 2016	Jun 2015	Change	Programming Language	Ratings	Change
1	1		Java	20.794%	+2.97%
2	2		C	12.376%	-4.41%
3	3		C++	6.199%	-1.56%
4	6	▲	Python	3.900%	-0.10%
5	4	▼	C#	3.786%	-1.27%
6	8	▲	PHP	3.227%	+0.36%
7	9	▲	JavaScript	2.583%	+0.29%
8	12	▲	Perl	2.395%	+0.64%
9	7	▼	Visual Basic .NET	2.353%	-0.82%
10	16	▲	Ruby	2.336%	+0.98%

Izvor: http://www.tiobe.com/tiobe_index



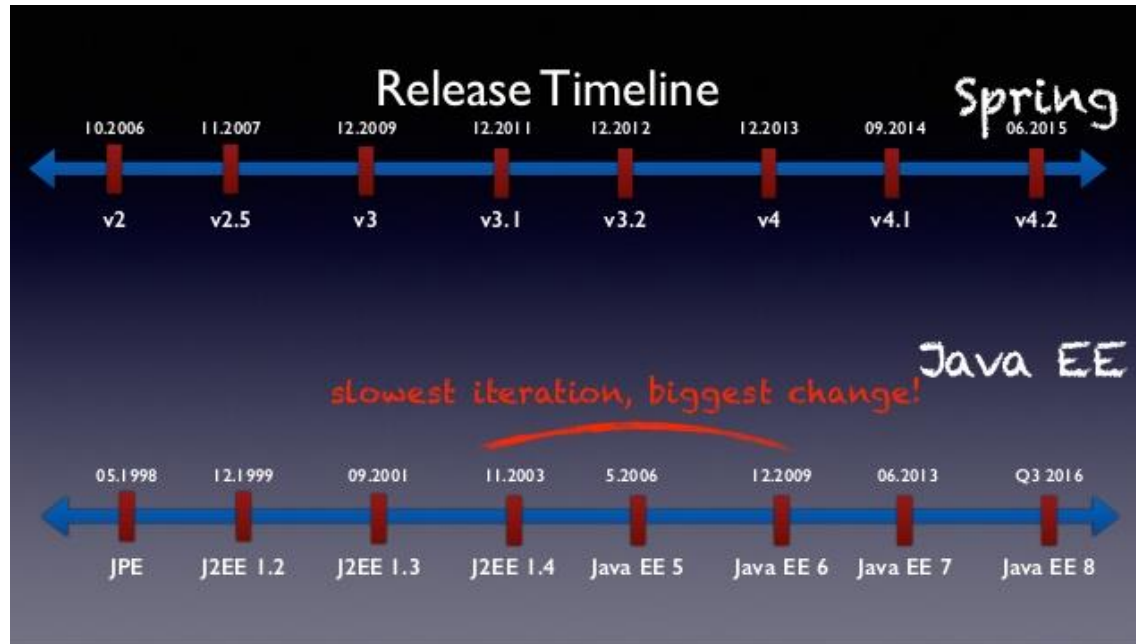
Java Standard Edition

Java Enterprise Edition





JavaEE ili Spring Framework



CONVENTION OVER CONFIGURATION

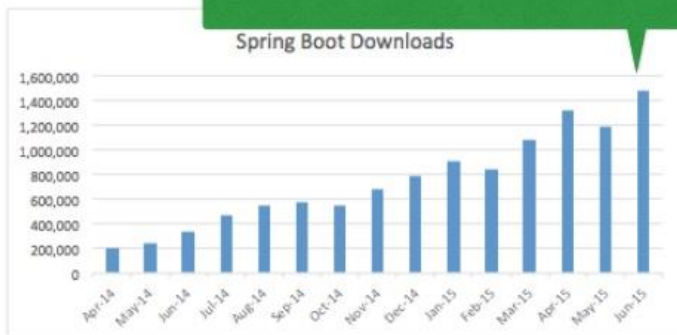




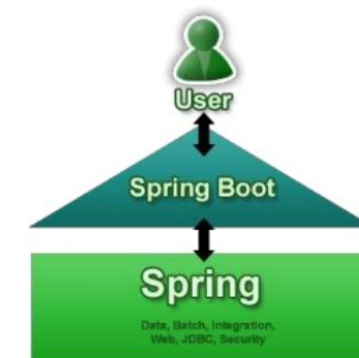
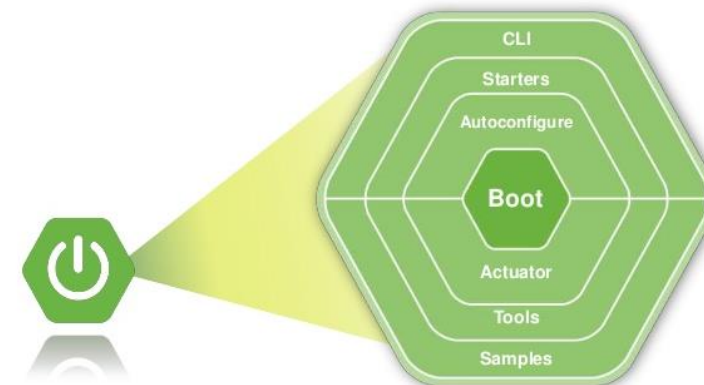
SPRING BOOT

Sp

1.4 M Downloads
a month!!!



- Spring aplikacije sa ugrađenim serverom
- Automatizirana konfiguracija modula standardnim postavkama
- Security
- Monitoriranje i administracija sistema



Izvor: <https://blog.pivotal.io/pivotal-cloud-foundry/features/mapping-the-cloud-native-journey>



Center for Career Development

by LINKgroup

RAZVOJ APLIKACIJE



1. Skinuti i instalirati Java JDK 8
<http://www.oracle.com/technetwork/pt/java/javase/downloads/index.html>
2. Skinuti i instalirati Netbeans 8.1 (sa Java EE package)
<https://netbeans.org/downloads/>

Java SE Downloads

Java Platform (JDK) 8u91 / 8u92

NetBeans with JDK 8

Java Platform, Standard Edition

Java SE 8u91 / 8u92
Java SE 8u91 includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Java SE 8u92 is a patch-set update, including all of 8u91 plus additional features (described in the release notes).
[Learn more](#)

- Installation Instructions
- Release Notes
- Oracle License
- Java SE Products
- Third Party Licenses
- Certified System Configurations
- Readme Files
 - JDK ReadMe
 - JRE ReadMe

JDK DOWNLOAD

Server JRE DOWNLOAD

JRE DOWNLOAD

NetBeans IDE Download Bundles

Supported technologies *	Java SE	Java EE	HTML5/JavaScript	PHP	C/C++	All
NetBeans Platform SDK	•	•				•
Java SE	•	•				•
Java FX	•	•				•
Java EE		•				•
Java ME						•
HTML5/JavaScript		•	•	•		•
PHP			•	•		•
C/C++					•	•
Groovy						•
Java Card™ 3 Connected						•
Bundled servers						
GlassFish Server Open Source Edition 4.1.1		•				•
Apache Tomcat 8.0.27		•				•

Download buttons: Download, Download, Download x86, Download x86, Download x86, Download, Download x64, Download x64, Download x64, Download

Free, 95 MB Free, 192 MB Free, 104 - 107 MB Free, 104 - 107 MB Free, 106 - 110 MB Free, 215 MB



3. Otvoriti stranicu <http://start.spring.io/> za automatski generiranje projekta
4. Označiti Web kao dependencies
5. Generate Project i spasiti i raspakovat zip projekt
6. Otvoriti generirani projekt u Netbeans
7. Pokrenuti Clean and Build
8. Pokrenuti Run
9. Otvoriti stranicu <http://localhost:8080/>

Generate a with Spring Boot

Project Metadata

Artifact coordinates

Group

Artifact

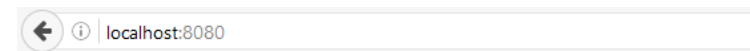
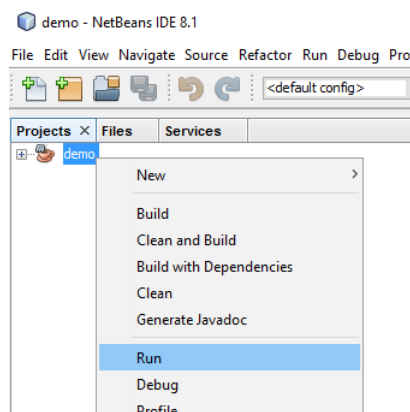
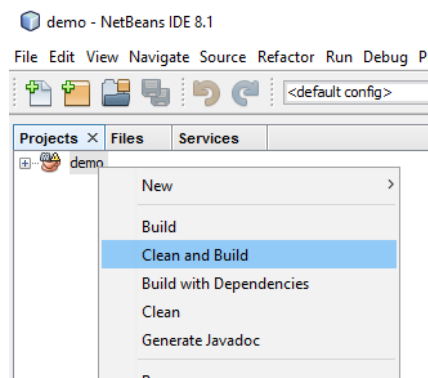
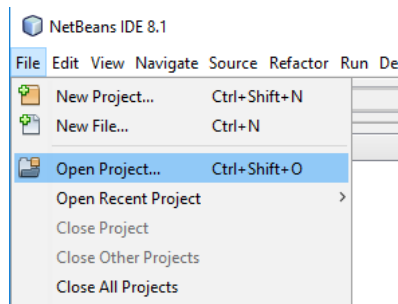
Dependencies

Add Spring Boot Starters and dependencies to your application

Search for dependencies

Selected Dependencies

Don't know what to look for? Want more options? [Switch to the full version.](#)



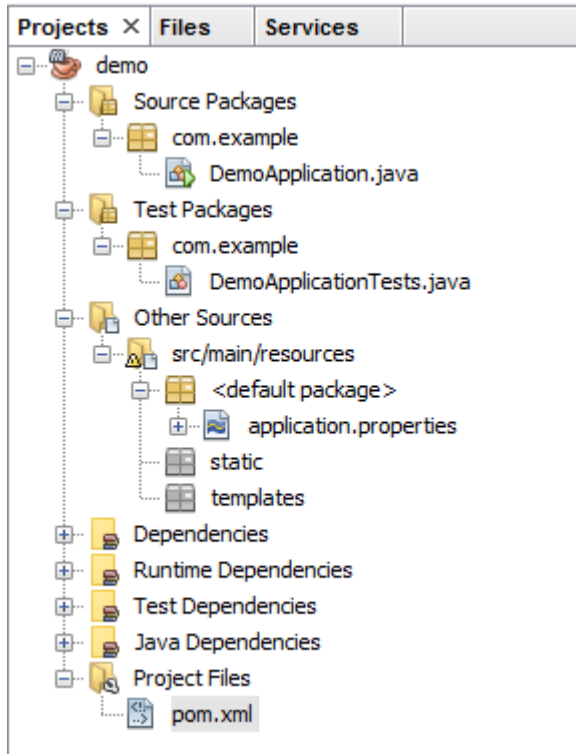
Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Thu Jun 01 10:03:42 CEST 2016
There was an unexpected error (type=Not Found, status=404).
No message available



Spring boot konfiguracija:



```
1 package com.example;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class DemoApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(DemoApplication.class, args);
11     }
12 }
```

Maven dependencies:

```
26 <dependencies>
27 <dependency>
28     <groupId>org.springframework.boot</groupId>
29     <artifactId>spring-boot-starter-web</artifactId>
30 </dependency>
31
32 <dependency>
33     <groupId>org.springframework.boot</groupId>
34     <artifactId>spring-boot-starter-test</artifactId>
35     <scope>test</scope>
36 </dependency>
37 </dependencies>
```




Spring Guides

Izvor raznih detaljno opisanih primjera spring aplikacija:

- <https://spring.io/guides>
- <https://spring.io/blog>

Probati primjer sa Spring REST

<https://spring.io/guides/gs/rest-service/>

Probati primjer sa Spring MVC

<https://spring.io/guides/gs/serving-web-content/>

Guides

Whatever you're building, these guides are designed to get you productive as quickly as possible – using the latest Spring project releases and techniques as recommended by the [Spring team](#).

Have a suggestion for a new guide? Let us know at [@springcentral](#).



Getting Started Guides

Designed to be completed in 15-30 minutes, these guides provide quick, hands-on instructions for building the "Hello World" of any development task with Spring. In most cases, the only prerequisites are a JDK and a text editor.

Building a RESTful Web Service

Learn how to create a RESTful web service with Spring.

Scheduling Tasks

Learn how to schedule tasks with Spring.

Detecting a Device

Learn how to use Spring to detect the type of device that is accessing your web site.

Consuming a RESTful Web Service

Learn how to retrieve web page data with Spring's RestTemplate.

Building Java Projects with Gradle

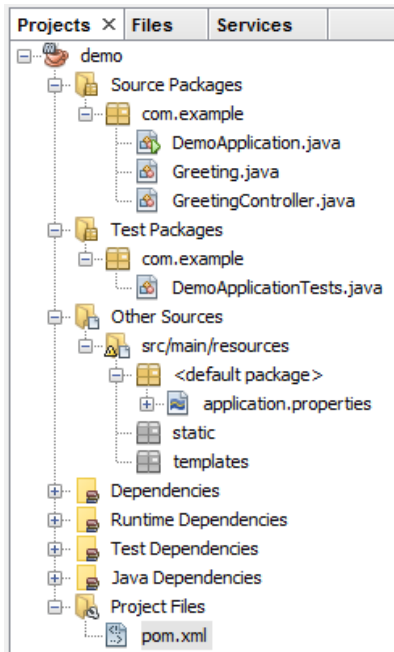
Learn how to build a Java project with Gradle.

Building Java Projects with Maven

Learn how to build a Java project with Maven.



REST API



POJO:

```
1 package com.example;
2
3 public class Greeting {
4
5     private final long id;
6     private final String content;
7
8     public Greeting(long id, String content) {
9         this.id = id;
10        this.content = content;
11    }
12
13    public long getId() {
14        return id;
15    }
16
17    public String getContent() {
18        return content;
19    }
20 }
```

```
localhost:8080/greeting
{"id":2,"content":"Hello, World!"}
```

REST controller:

```
1 package com.example;
2
3 import java.util.concurrent.atomic.AtomicLong;
4 import org.springframework.web.bind.annotation.RequestMapping;
5 import org.springframework.web.bind.annotation.RequestParam;
6 import org.springframework.web.bind.annotation.RestController;
7
8 @RestController
9 public class GreetingController {
10
11     private static final String TEMPLATE = "Hello, %s!";
12     private final AtomicLong counter = new AtomicLong();
13
14     @RequestMapping("/greeting")
15     public Greeting greeting(@RequestParam(value="name", defaultValue="World") String name) {
16         return new Greeting(counter.incrementAndGet(), String.format(TEMPLATE, name));
17     }
18 }
```

```
localhost:8080/greeting?name=Spring
{"id":9,"content":"Hello, Spring!"}
```



TRENDOVI U WEB RAZVOJU

- Angularjs (Javascript MVC framework)
- Bootstrap (CSS framework)
- Mobile First razvoj
- REST API

Probati primjer Spring REST i Angularjs

<https://spring.io/guides/gs/consuming-rest-angularjs/>



JHIPSTER



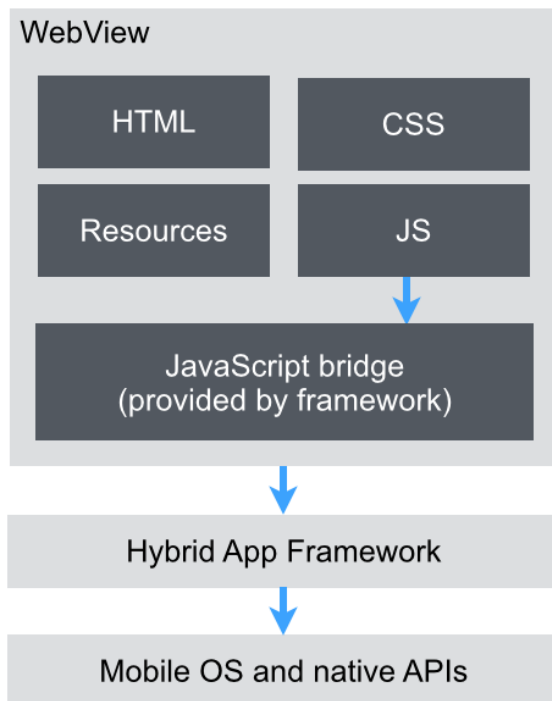
Spoj spring boot, angularjs i bootstrap.
Za brzi i kvalitetan razvoj web rjesenje.

<https://jhipster.github.io/video-tutorial/>



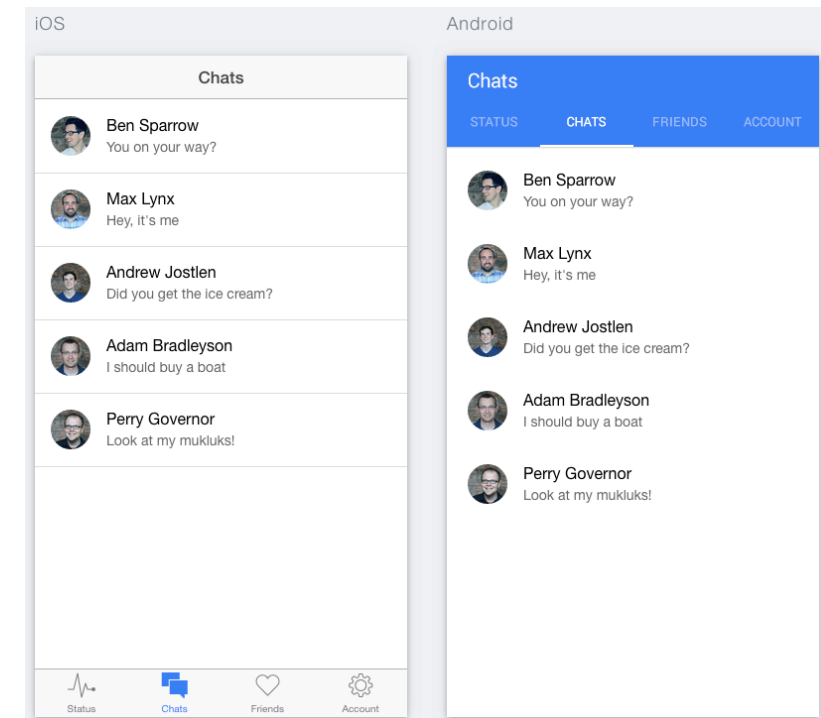
HIBRIDNE MOBILNE APLIKACIJE

Cordova



- Razvoj aplikacija za Android, iOS i Windows
- Iskoristite svoje znanje CSS i Angularjs

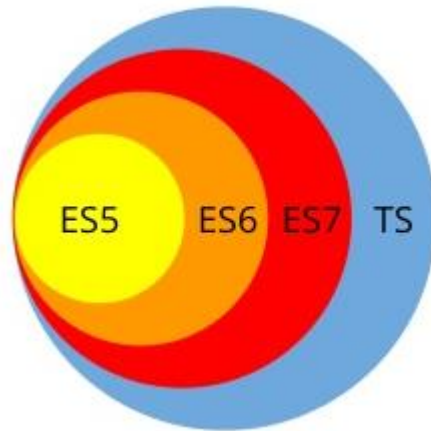
Ionic aplikacija





BUDUĆNOST

- Angular2 (<https://angular.io/>)
- Ionic2 (<http://ionicframework.com/docs/v2/>)



TYPESCRIPT == JAVA

```
import {MenuController, IonicApp} from 'ionic-angular';
import {LoginPage} from 'login';
import {SignupPage} from 'signup';

@App({
  ...
})
class MyApp {

  private rootPage = LoginPage;
  private loginPage = LoginPage;
  private signupPage = SignupPage;

  constructor(
    private app: IonicApp,
    private menu: MenuController) {}

  openPage(page) {
    // Reset the nav controller to have just this page
    // we wouldn't want the back button to show in this scenario
    this.rootPage = page;

    // close the menu when clicking a link from the menu
    this.menu.close();
  }
}
```

Javascript sintaksa konstantno evoluirala (ES5, ES6, ES7). Java sintaksa netaknuta od svog postojanja.



Center for Career Development

by LINKgroup

Reference:

<https://spring.io/guides>

<https://spring.io/blog>

<http://www.mkyong.com/>

<http://www.vogella.com/>

<http://www.baeldung.com/>

<http://www.leveluplunch.com/>

<http://shazsterblog.blogspot.ba/>

<http://websystique.com/>

<https://www.pluralsight.com/>



Center for Career Development

by LINKgroup

ŽELIM VAM UGODAN DAN