



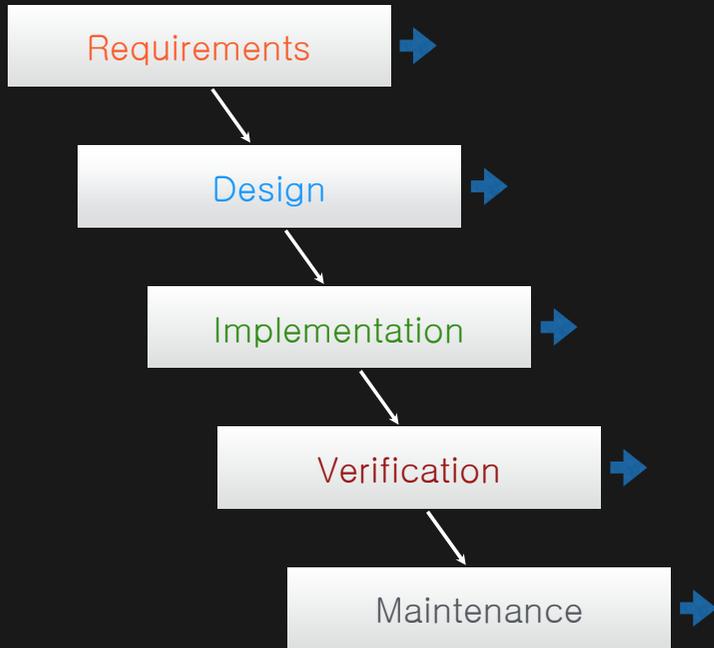
AXBOOT
HTML5 & JAVA WEB APPLICATION
FULL STACK FRAMEWORK

Team AXISJ Thomas Jang, Brant Hwang

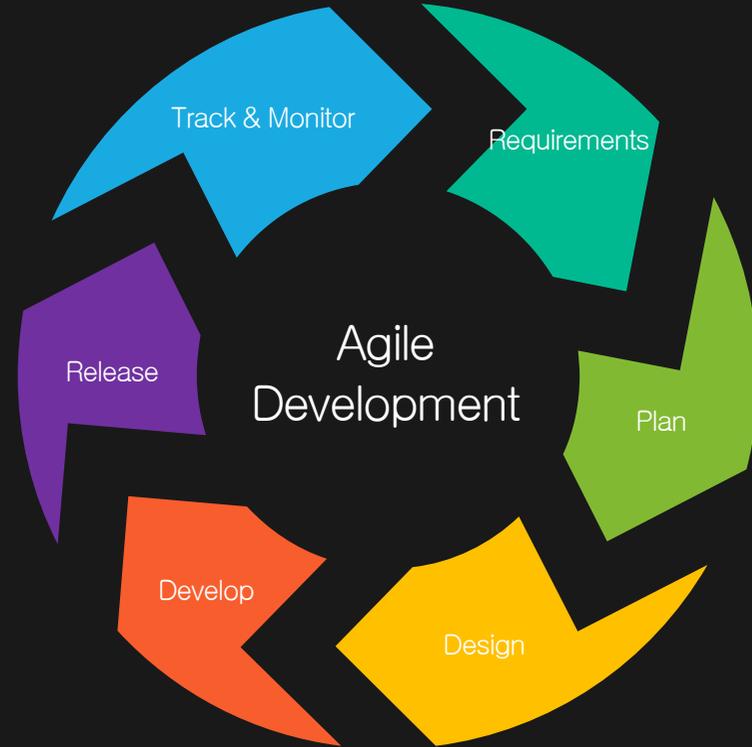
2016

WEB APPLICATION
DEVELOPMENT

Development Trend



Waterfall

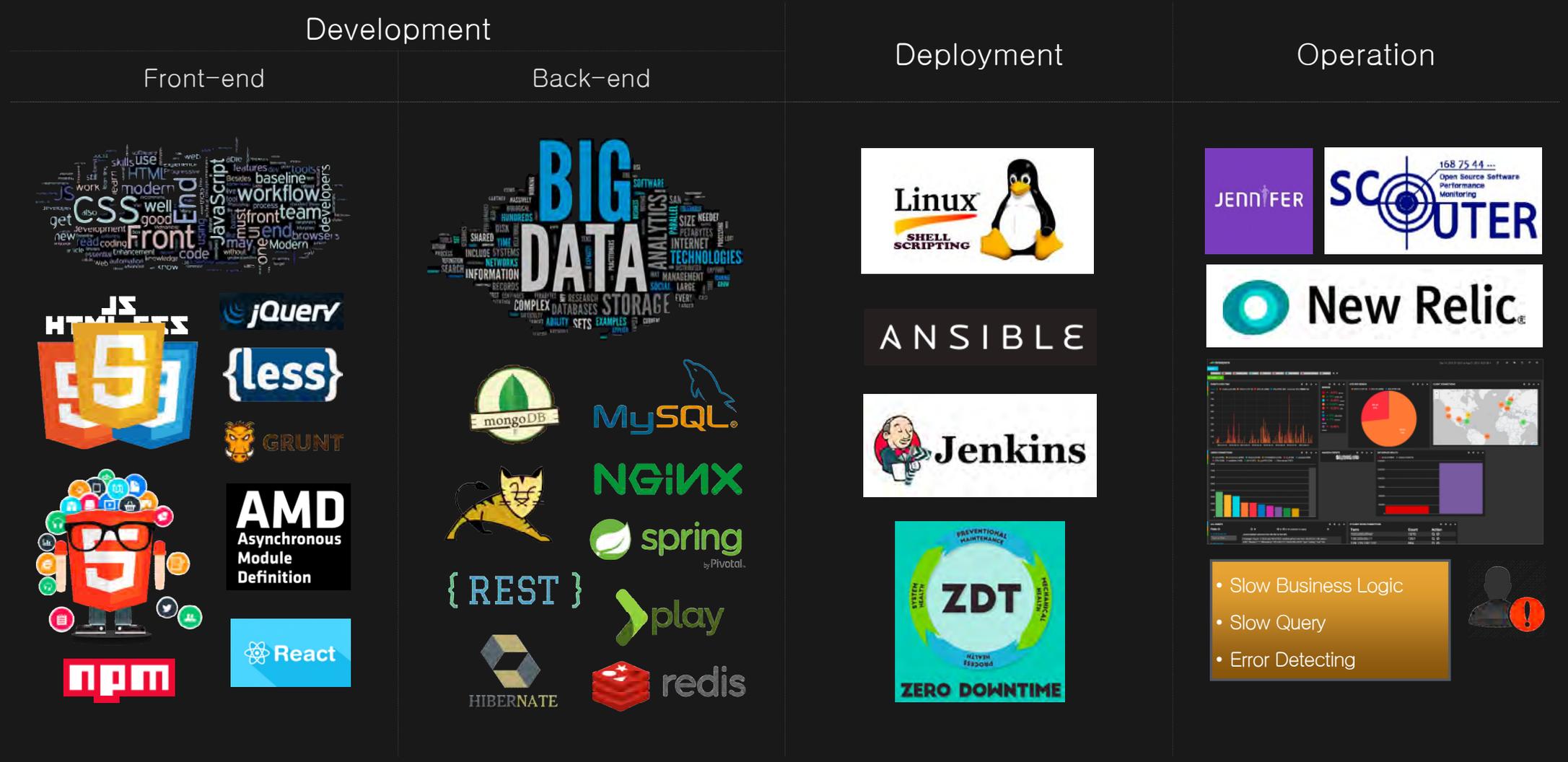


Repeat & Repeat

Web Development Stack



Web Application Lifecycle



AXBoot Framework

Development

Deployment

Operation

Front-end

Back-end

Front-end development tools and frameworks including CSS, jQuery, LESS, and AMD (Asynchronous Module Definition).

Back-end development tools and frameworks including MongoDB, MySQL, NGINX, Spring, and REST.

Linux SHELL SCRIPTING

SCOUTER 168 75 44 ... Open Source Software Performance Monitoring



AXBOOT
HTML5 & JAVA WEB APPLICATION
FULL STACK FRAMEWORK

New Relic

npm

React

HIBERNATE

redis

ZDT ZERO DOWNTIME

- Slow Business Logic
- Slow Query
- Error Detecting



Easy to Start , Easy to Development

AXBoot Initializr

—

AXBoot Admin Pack

▶ 초기화/프로그램생성

Beautiful UI , Beautiful Theme

AXBoot UI Framework



▶ UI 소개무비클립

▶ 테마변경 데모

Remove Repeatable Noise

- Cent OS 7.0
- EPEL
- Development Tools
- Python
- Java
- Tomcat
- Logrotate
- NGINX
- OpenSSL
- NGINX Virtual Host
- Tomcat Catalina Base



Java / Maven / Ansible

▶ AXBoot CI

Intelligence Operation Environment

AXBoot Slow Query Detector

—

AXBoot Logging System

시스템관리

- 공통코드 관리
- 프로그램 관리
- 메뉴관리
- 사용자 관리
- 에러로그 조회
- 매뉴얼 관리

레이아웃 샘플

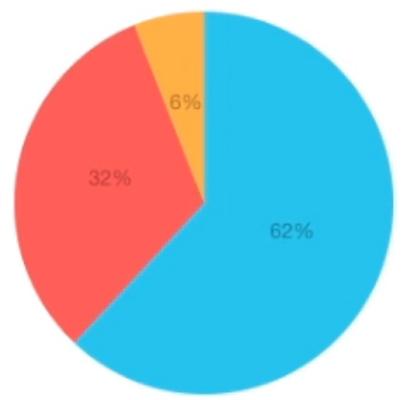
API

홈

DASH BOARD

Email Statistics

Last Campaign Performance

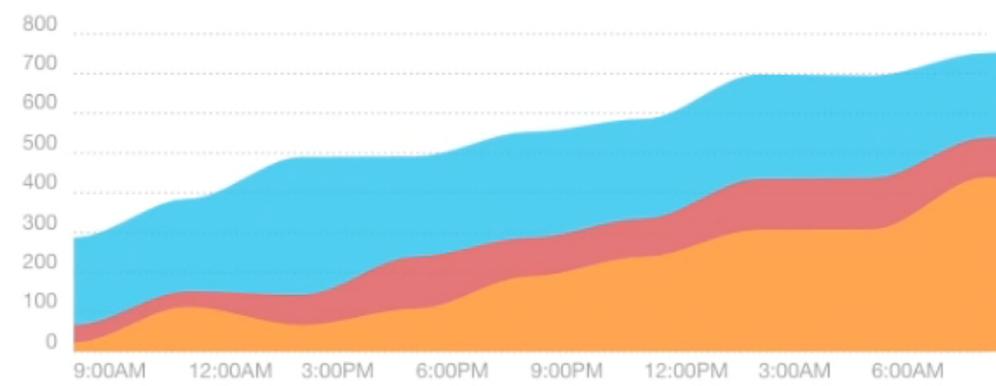


Open Bounce Unsubscribe

Campaign sent 2 days ago

Users Behavior

24 Hours performance



Open Click Click Second Time

Updated 3 minutes ago

Features



Full Stack Framework

AXBoot is the framework that provides A to Z Web Development solutions.

- **HTML5 Components**

17+ HTML5 components and layout system.

- **CRUD Scaffolding**

Fastest RESTful CRUD scaffolding using JPA & Spring Framework



Various Layout Beautiful Theme

- **Various Layout**

provides 10 most popular layouts used on Web UI. Grid, Selector, and form are built into the layout section, and when a user develops UI based on a given sample format, UI could be completed in as quickly as 10 minutes.

- **Theme**

Theme selection allows a user to change look and feel, as well as allowing the user to fine tune specifics of the UI.



Developer-friendly

- **Pure UI Component**

No need to add any other dependency to design the Web UI.

- **Open Architecture**

Adapt the platform to your needs with unrestricted access to low level code, wide use of the open inheritance pattern and the unique Extensions feature.

- **No Restricted Development**

Environment, User-Friendly IDE Application can be used

Features



Productive

- **Easy to Start**

AXBoot Initializr provides a complete form of Application Source Set and a user can start the server by importing a downloaded IDE then using `spring-boot:run` command.

- **Fast CRUD Implementation**

A user can easily materialize CRUD Logic with CRUD scaffolding tool.

- **Quick to Master**

AXBoot provides high quality documentation along with Korean version documents for Korean developers.



Enterprise Ready

- **Scalable**

Easy to Expand in parallel and processing large scale traffic with fine-tuning database pooling, data caching option and resource optimization.

- **Smart Error Detecting**

An up-to-date slow business logic and slow query can be detected and aggregated in Error Log, while aggregated data can be send through email, texting, messenger, Webhook and, etc.

- **Reference**

Incheon Airport POS Concession System (Over 1 million times used per day, 25TPS), DAELIM Corporation Global Logistics Management System, and JTNET Van Administration System



Maintainable

- **Separation of concern**

There is clear separation between View and API. HTTP and JSON(RESTful API) are used for transmission, ensuring effective coding expansion and maintenance.

- **Layered Architecture**

By utilizing MVC's Layer Architecture, role and logic have been cleared defined from layer to layer. That allows a user to expand and fix an error through coding quickly.

- **Support Dev&Ops**

Zero Downtime Deployment has been made possible through Customized Jenkins and Ansible which is fully compatible with AXBoot. This allows the system to quicken the code lifecycle which makes high number of distribution possible.

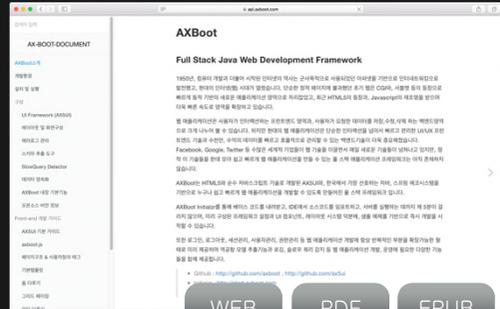
Documentation

AXBoot Official Site



www.axboot.com

AXBoot A-Z Guide



WEB PDF EPUB

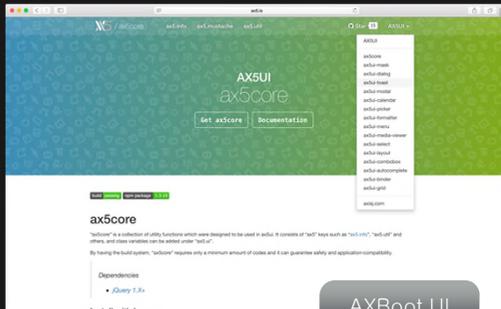
api.axboot.com

AXBoot Demo Site



demo.axboot.com

UI Framework Demo & Guide



AXBoot UI

ui.axboot.com

AXBoot Tech Blog



Developer Community

blog.axboot.com

AXBoot User Group



facebook.com/groups/axboot/

Github Commit Histories

6,946

3,590

Thomas
thomasJang

Overview Repositories 45 Stars 243 Followers 43 Following 47

Pinned repositories

- ax5ui/ax5ui-kernel**
Javascript UI Framework - AX5UI - Kernel Module
JavaScript ★ 73 ▼ 18
- axboot/ax-boot-framework**
Spring boot & AX5UI based Full Stack Java Web Application Framework (Java Framework, UI Framework, JavaScript UI, SpringBoot Framework, Spring Boot Admin, AdminLTE, Web Framework, UI Library)
JavaScript ★ 26 ▼ 7
- ax5ui/ax5docs**
ax5ui website - http://ax5.io/
HTML ★ 16 ▼ 9
- axisj/axisj**
javascript UI library
CSS ★ 305 ▼ 82

6,946 contributions in the last year

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct

Mon
Wed
Fri

Learn how we count contributions. Less More

Contribution activity Jump to: 2016

November 2016 2015 2014

Created 281 commits in 24 repositories

ax5ui/ax5ui-kernel 33 commits

Brant
brant-hwang

Overview Repositories 37 Stars 117 Followers 21 Following 2

Popular repositories

- spring-boot-social-example**
Spring Boot based Social + Security + Session Sign-up & Sign-in Example (spring social security, spring boot social security, spring boot social security session)
CSS ★ 45 ▼ 29
- spring-cloud-aws-example**
Spring Boot based Amazon S3 Example (Spring Boot, Spring Cloud AWS, S3)
CSS ★ 39 ▼ 21
- spring-logback-slack-notification-example**
SpringBoot Error Notification Example with Logback and Slack
Java ★ 20 ▼ 12
- spring-boot-jdbc-proxy-example**
Spring Boot based Detecting SlowQuery & Query Statistics Example using DBCP2 Proxy
Java ★ 10 ▼ 6
- springboot-postgresql94-hibernate5-example**
SpringBoot PostgreSQL (JSON/JSONB) Hibernate (JPA) Examples
Java ★ 6 ▼ 6
- get-git-private-repo-latest-release-zip**
Downloading Github Private Repository Latest Release Archive
★ 3 ▼ 1

3,590 contributions in the last year

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct

Mon
Wed
Fri

Learn how we count contributions. Less More

AXBoot Developer Community

82,049 Views

Home about me development Spring GO AXBoot

AXBoot Developer Community

@Valid 애너테이션을 컬렉션 타입 @RequestBody에 사용하기

Spring Controller @RequestBody에 @Valid를 사용할 경우, 단일 Object 타입일 때는 Validator가 잘 동작하지만, Collection 타입으로 감싸져 있을 경우에는 Validator가 동작을 하지 못합니다. 원인을 찾아보기 위해 디버깅으로 클래스들을 추적해보니, RequestResponseBodyMethodProcessor -> AbstractMessageConverterMethodArgumentResolver -> DataBinder (validate)로 이어지는데, AbstractMessageConverterMethodArgumentResolver의 validate()에서 @Valid 애너테이션이 있는지 확인한 후, 애너테이션이 있을 경우 DataBinder의 validate()를 호출하여 유효성 검사를 하게되더군요. [crayon-581960ba06f7d343702725/] DataBinder의 validate()를 살펴보면, JSR303 구현체 (targetValidator)의 validate()를 호출하도록 되어있고, 유효성 검사 결과를 기반으로 유효성이 위반된 내역이 있을 경우 예외 메시지를 처리할 수 있도록 processConstraintViolations 메서드를 호출하게 됩니다. [crayon-581960ba06f8d522708879/] HibernateValidator를 사용할 경우, --

Continue Reading

Spring MethodArgumentNotValidException (@Valid 예외처리)

@Valid 애너테이션으로 데이터를 검증하고, 해당 데이터에 예외가 있을 경우 예외 메시지를 JSON으로 처리하는 ExceptionHandler 처리 방법입니다. 1. 검증할 필드에 Annotation을 추가합니다. [crayon-581960ba07d5a649435289/] 2. 컨트롤러에 @Valid 애너테이션을 추가합니다. [crayon-581960ba07d95449215194/] 3. MethodArgumentNotValidException ExceptionHandler를 추가합니다. (SuperClass나, ControllerAdvice 에 추가 합니다.) [crayon-581960ba07d9c040623563/] 4. Validation이 실패하면 JSON으로 다음과 같이 응답합니다.

Continue Reading

RevelFramework - 4) GORM + MySQL 5.7 JSON Column Marshalling

MySQL 5.7 부터는 PostgreSQL처럼 컬럼타입으로 JSON을 사용할 수 있습니다. 규모가 크지 않은 소기업 단계라면 굳이 RDBMS와 NoSQL을 나누지 않고도 JSON 컬럼을 적절히 사용해서 아주 멋진 데이터 저장소를 만들 수 있다고 생각해서 JSON 컬럼을 많이 활용하는 편입니다. 해당 컬럼에 인덱스가 필요한가? 해당 컬럼이 검색성 컬럼인가, 조인이 필요한가? 해당 컬럼이 WHERE 절에 자주 등장하는가? 저는 위 3가지에 해당되지 않으면 연만해서는 데이터를 JSON 컬럼에 저장합니다. 데이터베이스의 의미보다 메타정보(참고용 정보)로서 화면에서 쓰이는 정보성 역할이 더 크다고 생각하기 때문에, 경험상 추후 확장성을 고려해 JSON으로 --

Continue Reading

사이트 통계

Days Weeks Months

Views today	Best overall day	All-time views	All-time comments
1013	12월 11일, 2015	82,049	69

Country

Country	Views
South Korea	10,263
United States	226
Japan	188
Australia	42
Canada	35
India	25
United Kingdom	17
Germany	16
Vietnam	15

View All

Month	Views	Visitors
Dec	11,114	6,170
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		

Views	Visitors	Likes	Comments
11,114	6,170	0	12

Open Source Activities



2013 Daum Devon



승실대 정보기술 세미나



2016 KOSS Hackathon Winner



기술서적 번역



오프라인 교육 모임



2014 슈퍼개발자K 우승



엑시제이 사용자교육



오픈소스 개발자 생존기



오프라인 교육모임



오프라인 교육모임



튜토리얼 강좌

Thank You

감사합니다