

JAVAFORUM
stuttgart

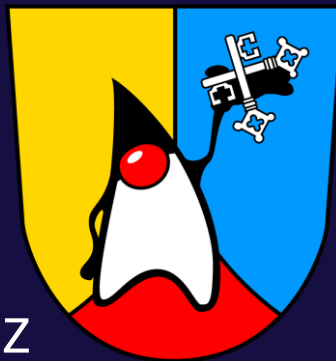
Apache Maven
Survival Guide
"Bring it on!"-Mode
#no-external-tools



Maven

Richard Fichtner

- 15+ years full stack
- XDEV Software
 - <https://xdev.software>
- Rapidclipse committer
 - <https://rapidclipse.com>
- Loves
 - Clean Code
 - OSS
 - JUG Oberpfalz
 - JCON Co-Organisator



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Oracle
Groundbreaker
Ambassador



@RichardFichtner





RAPIDclipse™

THE VISUAL ECLIPSE



Project Management

- Projects
 - NPTest
- Entities
- Data Access
- Business Objects
- User Interface
 - MainUI.java
 - MainView.java
 - MyNewView.java
 - Servlet.java
 - TestView.java
- Themes
 - NPTest
- Resources
 - images

Palette

Idle

Connect Components

Structure

- XdevGridLayout
- XdevBorderLayout
- XdevHorizontalLayout
- XdevVerticalLayout
- XdevFormLayout
- XdevAbsoluteLayout
- XdevPanel
- XdevTabSheet
- XdevAccordion
- XdevVerticalSplitPanel
- XdevHorizontalSplitPanel

Interaction

- XdevButton
- XdevNativeButton
- XdevProgressBar
- XdevLink
- XdevMenuBar

Data Input

- XdevTextField
- XdevTextArea
- XdevPasswordField
- XdevRichTextArea
- XdevPopupDateField
- XdevInlineDateField
- XdevComboBox
- XdevNativeSelect
- XdevListSelect
- XdevTwinColSelect
- XdevOptionGroup
- XdevCheckBox
- XdevSlider
- XdevUpload
- XdevColorPicker

Data Presentation

- XdevLabel
- XdevTable
- XdevTree
- XdevTreeTable
- XdevContainerFilterCompon
- XdevImage

MyNewView.java Xcode

MyNewView GridLayout

My Ticket

Dashboard

Shop

Ticket-System

Support

8810 € TOTAL PROFIT

2541 NEW TICKETS

280 NEW USERS

FEEDS

- New Order #65325
- New Ticket #124587
- New Order #54584
- New User Max

My Profile

Window: NPTest 100%

Toolbox

Constraints

Align: Left, Top, Right, Bottom, Center

Span: -, +

Weight: 10, 0

Width: 100 px %

Height: 100 px %

Quick Settings: [Icons]

Structure

- MyNewView
 - GridLayout
 - HorizontalLayout
 - label13
 - MenuBar
 - menuItem
 - menuItem2
 - VerticalLayout
 - button
 - button2
 - button3

Properties Validation

gridLayout4: XdevGridLayout

Object

Name	Value
Name	gridLayout4
Styles	tile
Visible	<input checked="" type="checkbox"/>
Enabled	<input checked="" type="checkbox"/>
Description	
Icon	null
Immediate	<input type="checkbox"/>
Caption	null

RAPIDclipse

ENTERPRISE RAPID JAVA DEVELOPMENT WITH ECLIPSE

WEB • MOBILE • DESKTOP

DEVELOP CROSS-PLATFORM APPLICATIONS

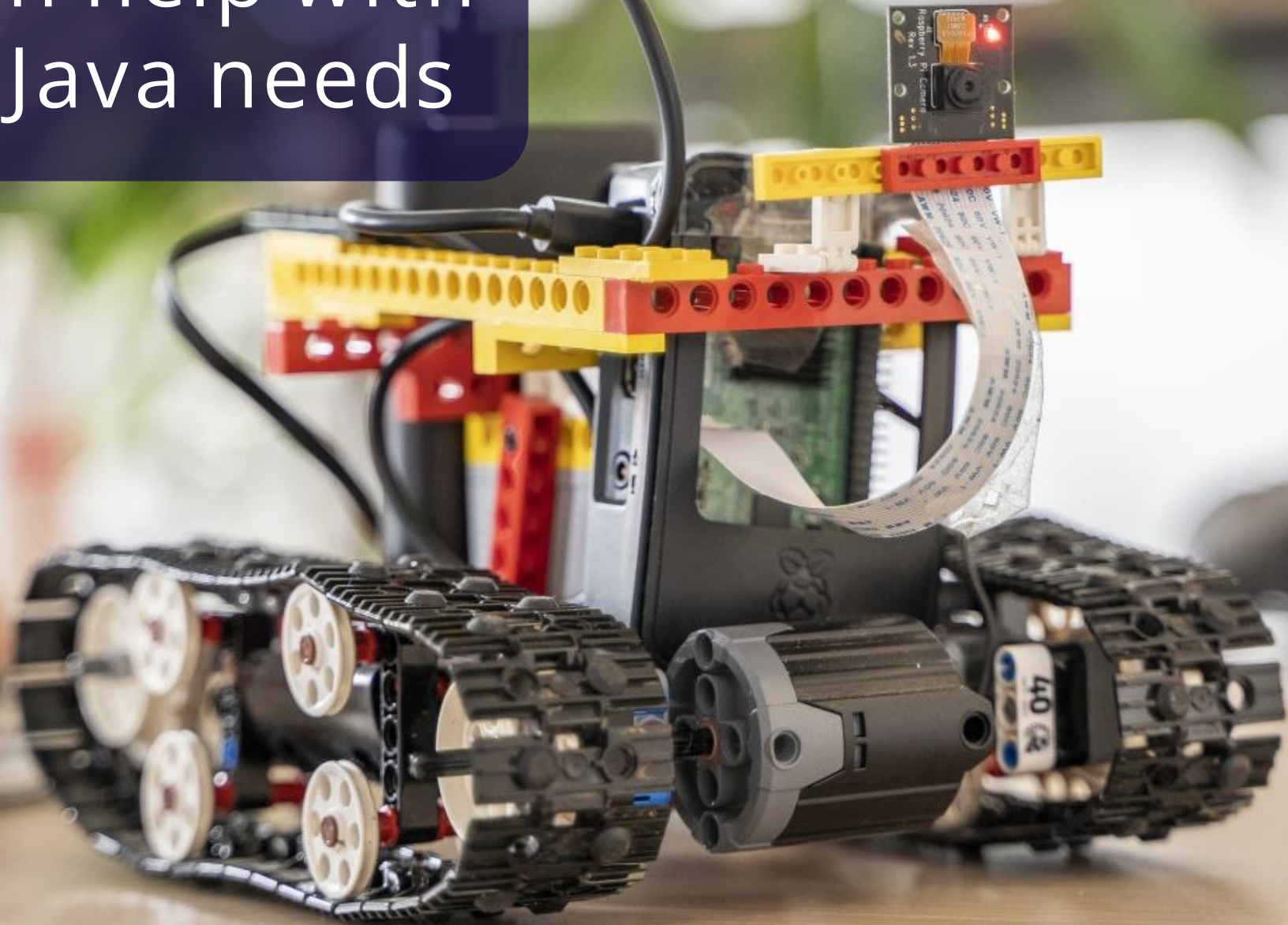
Use the Browser: Chrome, Firefox, Edge, Safari, Opera

Use the Mobile Platform: Android, iOS

Use the Desktop Platform: Windows, Linux, Mac OS

See Also: [setAction\(Action\) Action](#)

we can help with
your Java needs



Agenda

- What is Maven?
 - Minimal basics so you can follow the live coding (5 Slides)
- Live Coding!
 - Let's build a best practice pom.xml
- Q / A



What is
~~Raven~~
Maven?



Resistance is futile

What is Maven?



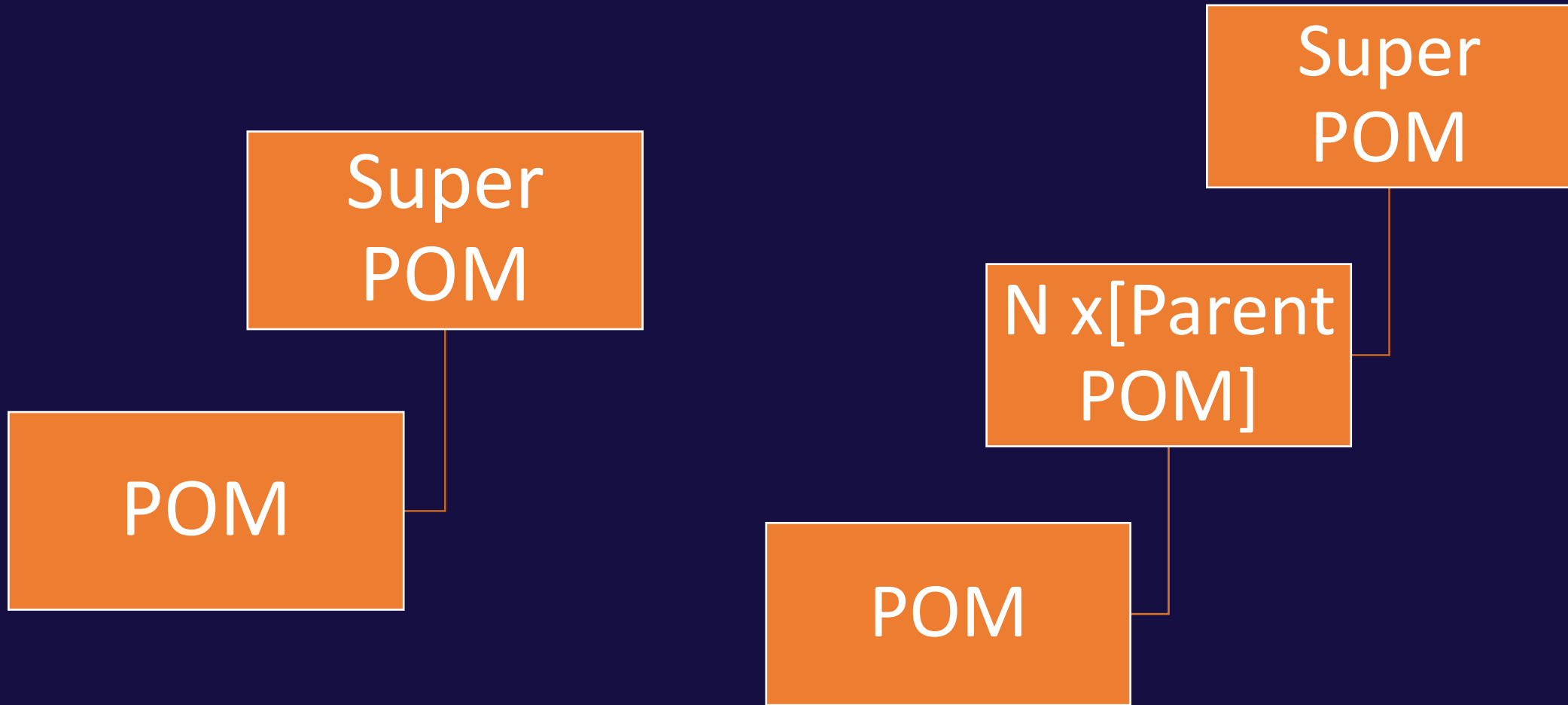
I Am Developer
@iamdeveloper

Found an amazing new build tool, it's called "bash".

Really hope it catches on.

1. Build Tool
2. Dependency management

Super POM – Parent POM – POM



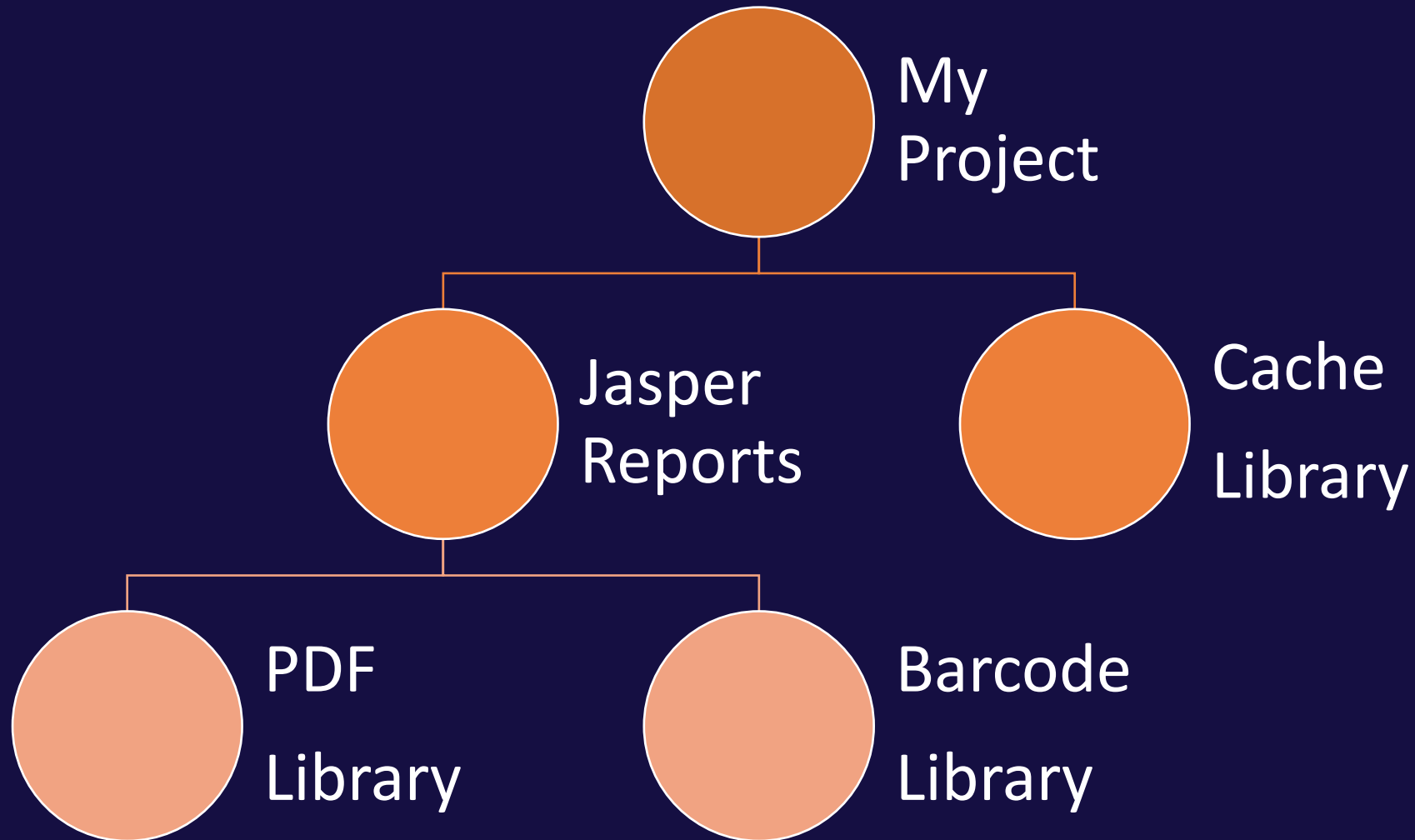
Maven Default Lifecycle Phases 1/2

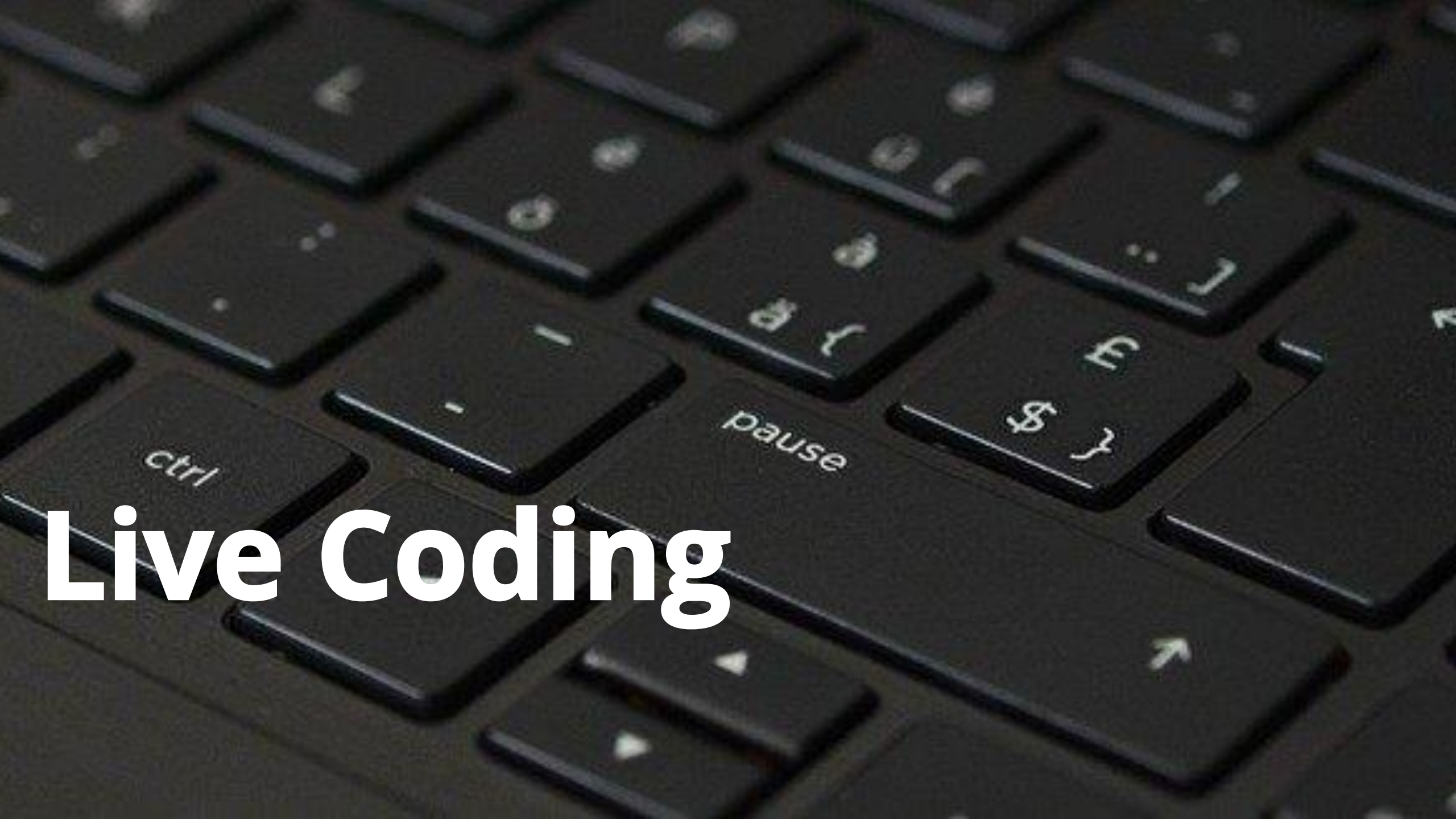
1. validate - validate the project is correct and all necessary information is available
2. compile - compile the source code of the project
3. test - test the compiled source code using a suitable unit testing framework. These tests should not require the code be packaged or deployed
4. package - take the compiled code and package it in its distributable format, such as a JAR.

Maven Default Lifecycle Phases 2/2

5. **verify** - run any checks on results of integration tests to ensure quality criteria are met
6. **install** - install the package into the local repository, for use as a dependency in other projects locally
7. **deploy** - done in the build environment, copies the final package to the remote repository for sharing with other developers and projects.

Dependency management





Live Coding

mvnd - the Maven Daemon

- <https://github.com/mvndaemon/mvnd>
- This project aims at providing faster Maven builds using techniques known from Gradle and Takari.



Jaromir Hamala

@jerrinot

The daemon makes Hazelcast build time to go down from 2 minutes to 1m20s. 🙌🔥🚀

Code

All code / examples from this talk are available at:

[https://github.com/
rfichtner/maven-survival-guide](https://github.com/rfichtner/maven-survival-guide)



<https://maven.apache.org/resource/branding/actioncards.html>

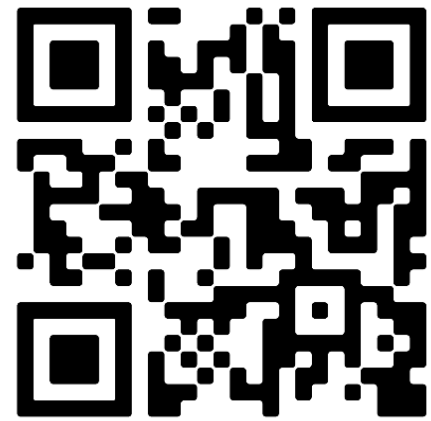
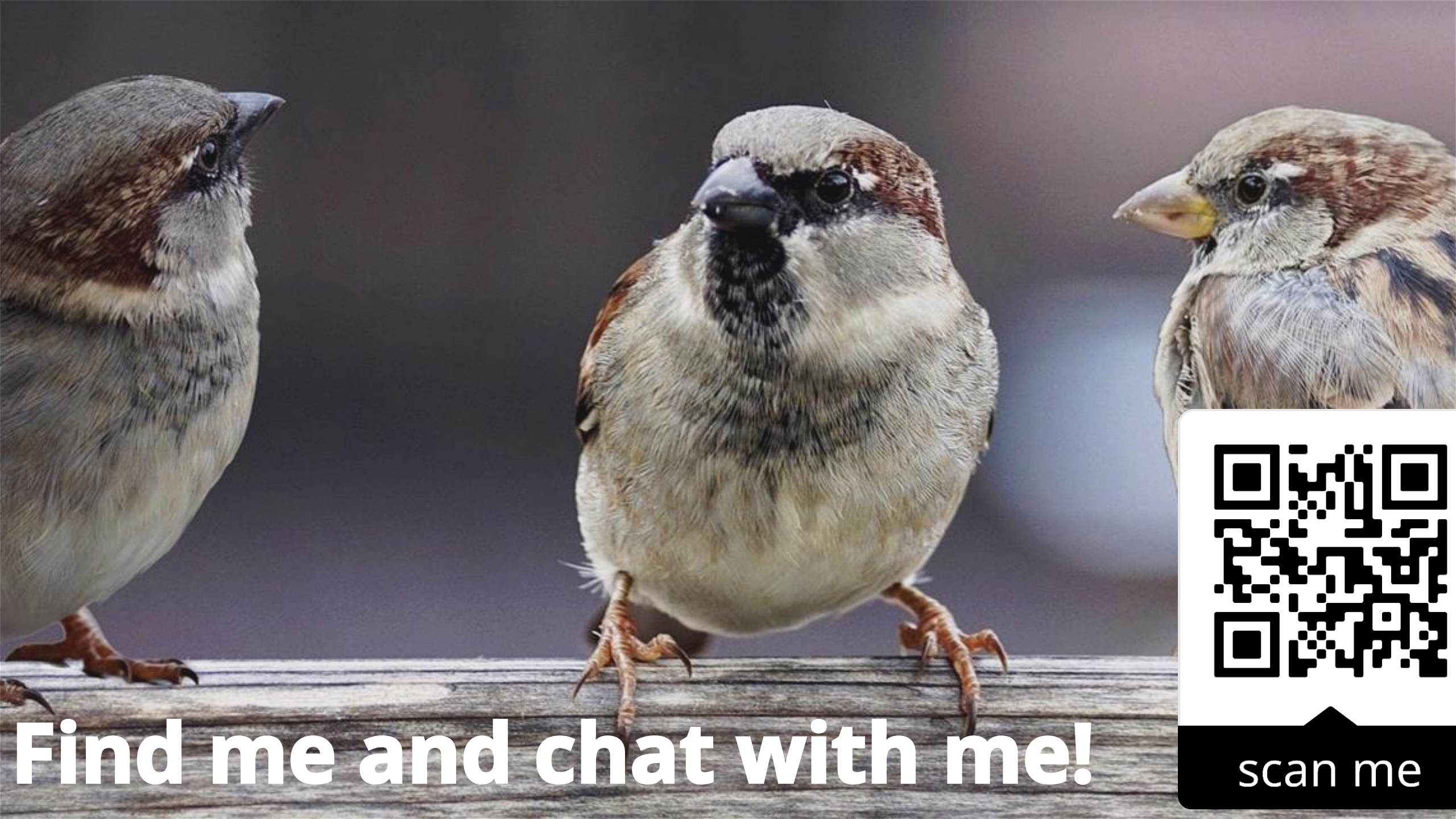




Q & A



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