

WREM

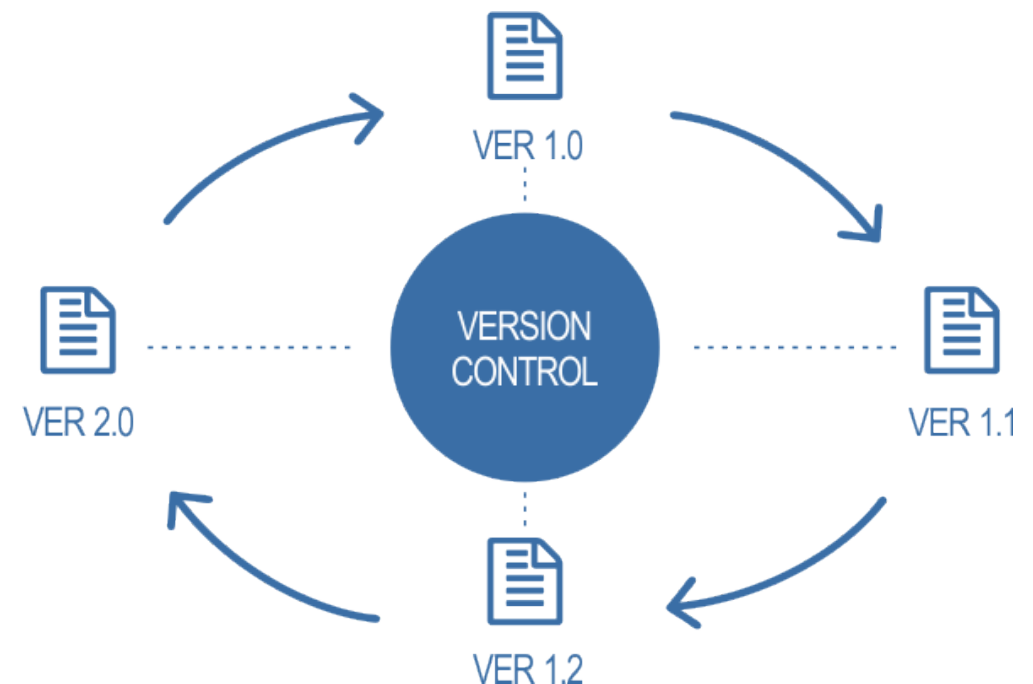
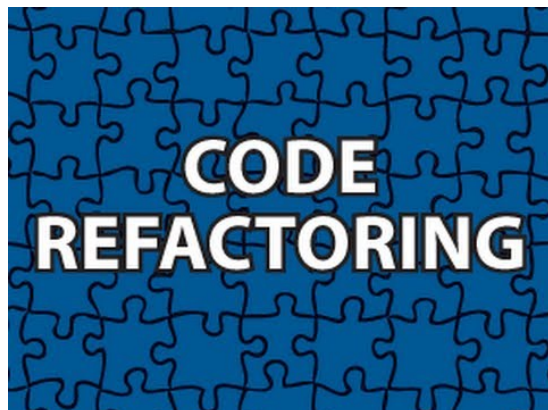
Sistema web de gestión documental para proyectos
informáticos

El problema



El problema (II)

- Herramientas **CASE** (**C**omputer **A**ided **S**oftware **E**ngineering).
- Ayudan a aumentar productividad en el desarrollo.



La antesala: REM

- **REM** (**RE**quirements **M**anagement)
- Herramienta **CARE** (**C**omputer-**A**ided **R**equirements **E**ngineering)
- Creador: **Amador Durán Toro** en 2000
- Genera documentación Métrica V3
- Usada por alumnos de la Universidad de Sevilla.



REM: Características

- **Aplicación escritorio** nativa para Windows
- Genera **HTML**
- Almacenamiento local en **MS Access**
- Plantillas y estilos **personalizables**
- **21** tipos de objetos diferentes



REM: Interfaz

The screenshot displays the REM 1.2.2 software interface, titled "REM 1.2.2 - [E-Commerce.rem]". The interface includes a menu bar (File, Edit, View, Tools, Window, Help) and a toolbar with various icons. On the left, a tree view shows the project structure under "3.3 Functional requirements", with "3.3.2 System use cases" expanded to show "[UC-001] Buy something" and "[UC-002] Deliver order". The main area is divided into two panes. The left pane, labeled "Ordinary sequence", shows a use case diagram for "[UC-001] Buy something" with steps 1 through 9, including a decision point for identification status. The right pane shows a sequence diagram with 8 steps, detailing the interactions between the Actor Customer (ACT-0001) and the system. The status bar at the bottom indicates "Document loaded in 0.56 second: HTML on" and "NUM".

Step	Action
1	Actor <u>Customer (ACT-0001)</u> requests the system for buying some <u>product</u>
2	The system requests the <u>customer</u> for identification
3	Actor <u>Customer (ACT-0001)</u> identifies himself or herself
4	If the identification is OK, the system shows a list of <u>products</u> to buy
5	Actor <u>Customer (ACT-0001)</u> chooses some <u>products</u> to buy
6	The system asks the <u>customer</u> for confirmation
7	Actor <u>Customer (ACT-0001)</u> confirms his or her order
8	The system informs that the <u>sale</u> has been successful

REM: Carencias

- **Sólo disponible para Windows.**
¿Y los demás SO?
- **Trabajo en local.**
¿En serio? ¿En 2017?



Solución: $W \rightarrow \text{REM}$

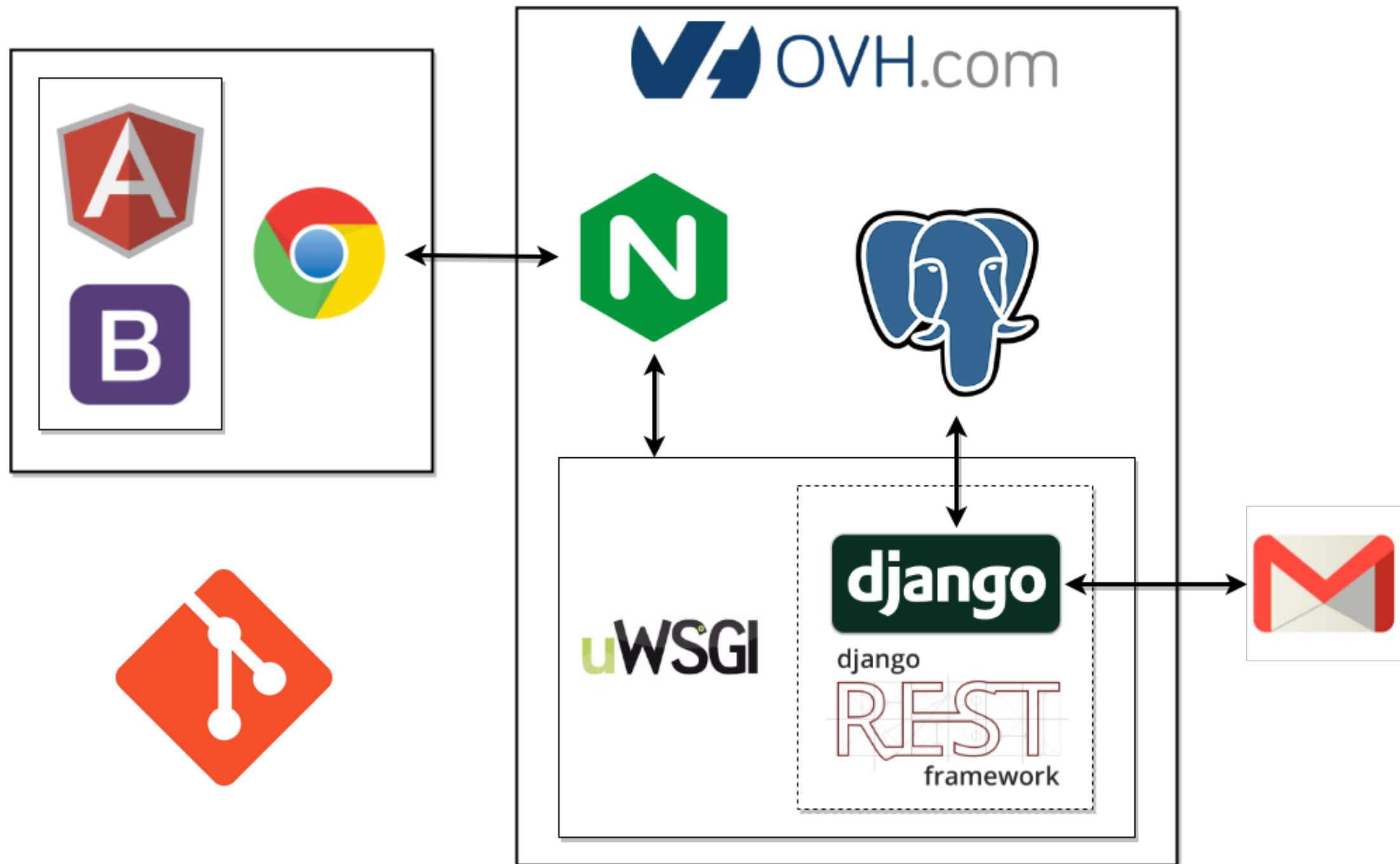
- Aplicación Web. **Multiplataforma**
- Usuarios y grupos. **Trabajo colaborativo**
- Mismos objetos que REM



WREM: Estructura



WREM: Arquitectura



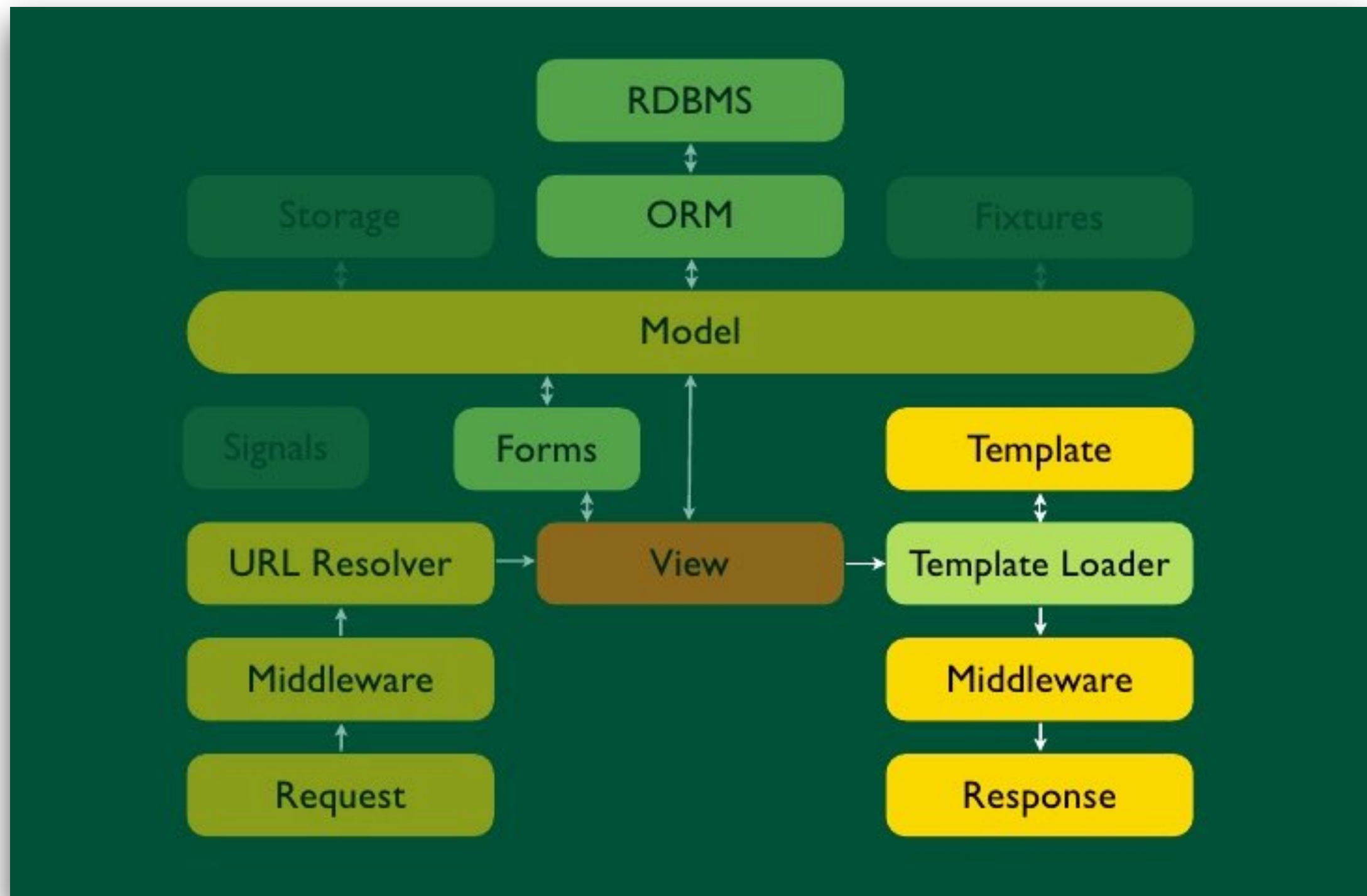
WREM: Demo en producción



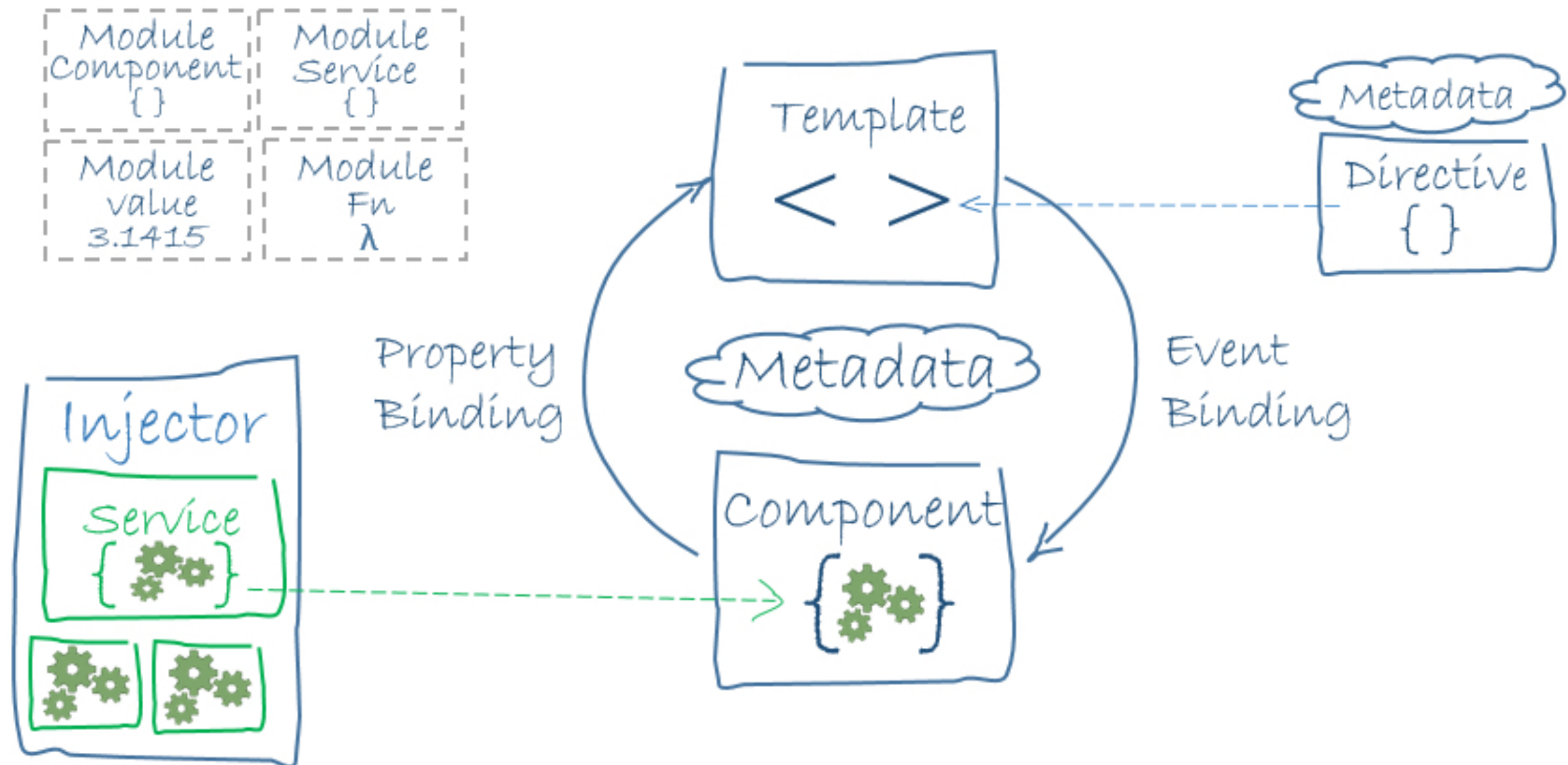
Ruegos y preguntas



Anexo: Arquitectura Django



Anexo: Arquitectura Angular



Fin



That's all Folks!