



(Cal)endar Base

TYPO3 developer days

April 26-29, 2007

Dietikon, Switzerland

Examples on: <http://www.typo3-calendar.org/1642.0.html>



Agenda



- Introduction
- Structure: MVC
- Tutorial 1 - Importer Service
- Tutorial 2 - My View
- Tutorial 3 - Module Marker
- Open discussion



About



- **Mario Matzulla**
- **29 years**
- **Schauren, Germany**
- **Java-Programmer, Freelancer**
- **TYPO3 since 2003**
- **Ext: cal**



Ext: cal



- Standard Views:
 - Day, Week, Month, Year, List, Event, Location, Organizer, Search, XML, ICS
- Event-subscription/monitoring & reminder
- Fe-editing



Future Plans



- lib / div
- Personalize
- Attendee (seminars)
- AJAX Interface
- Room-Management

iCal



www.ietf.org/rfc/rfc2445.txt



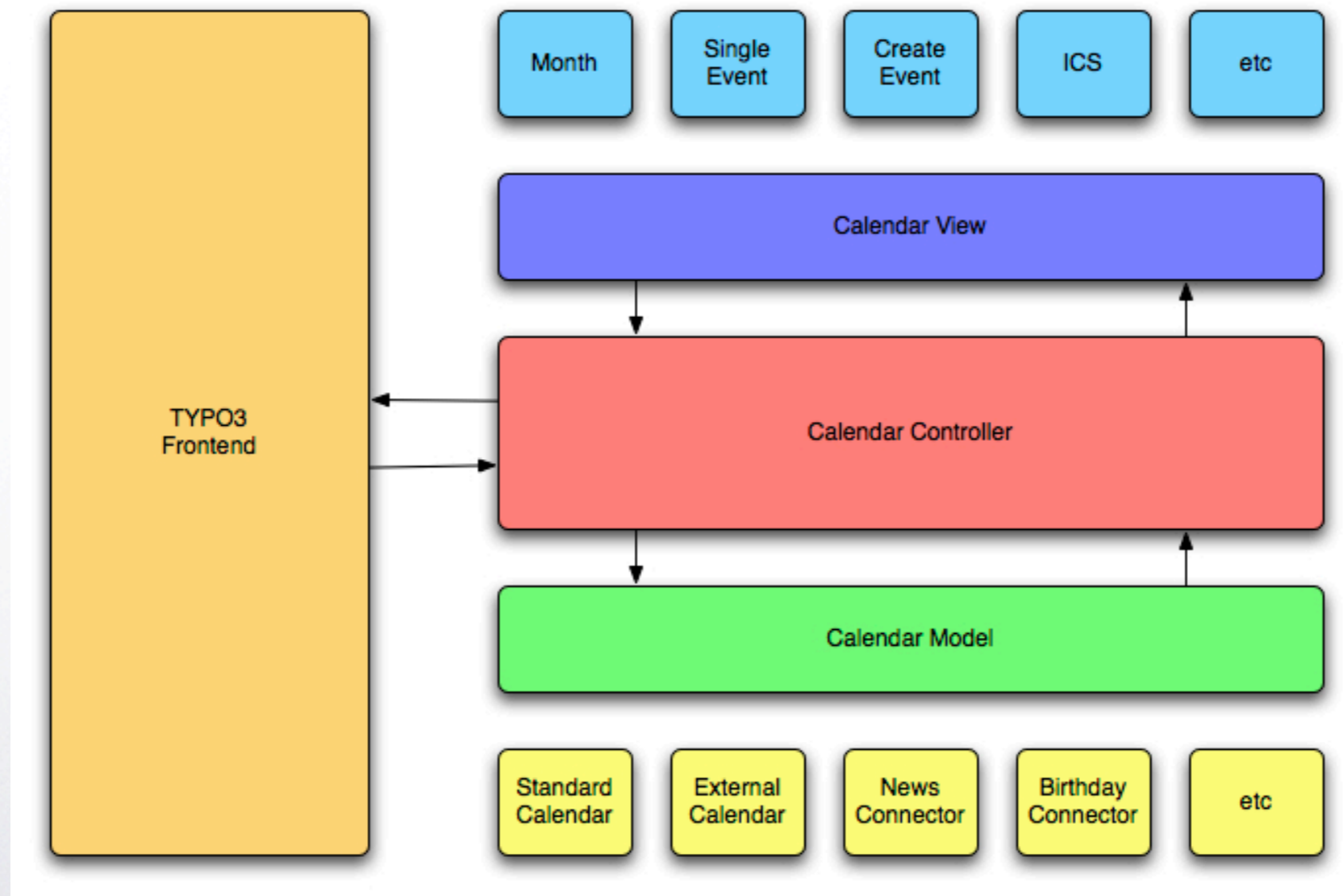
Model-View-Controller



- Model
 - „representation of the information“
- View
 - „Renders the model into [...] a user interface element.“
- Controller
 - „Processes and responds to events“

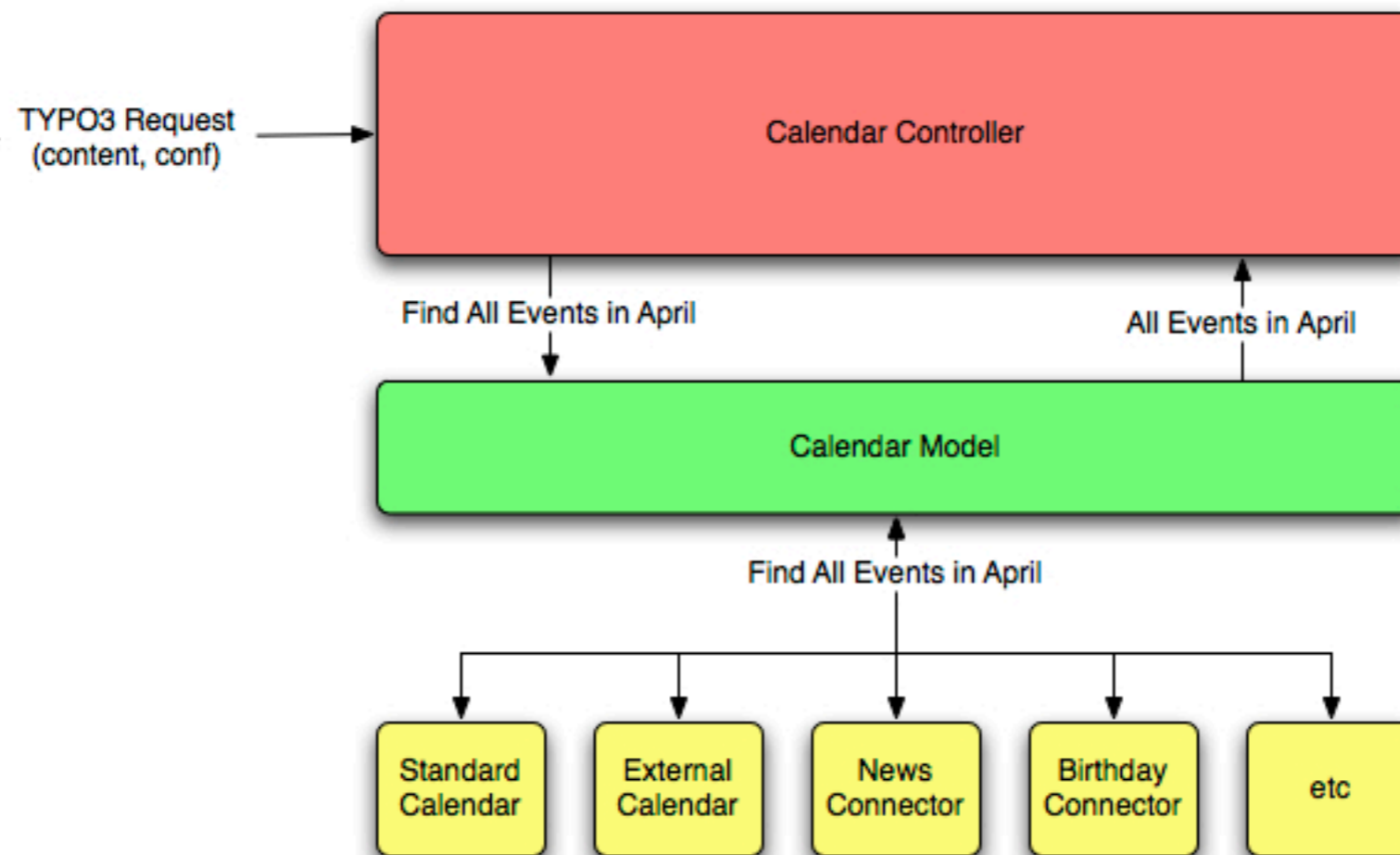


Under the hood....



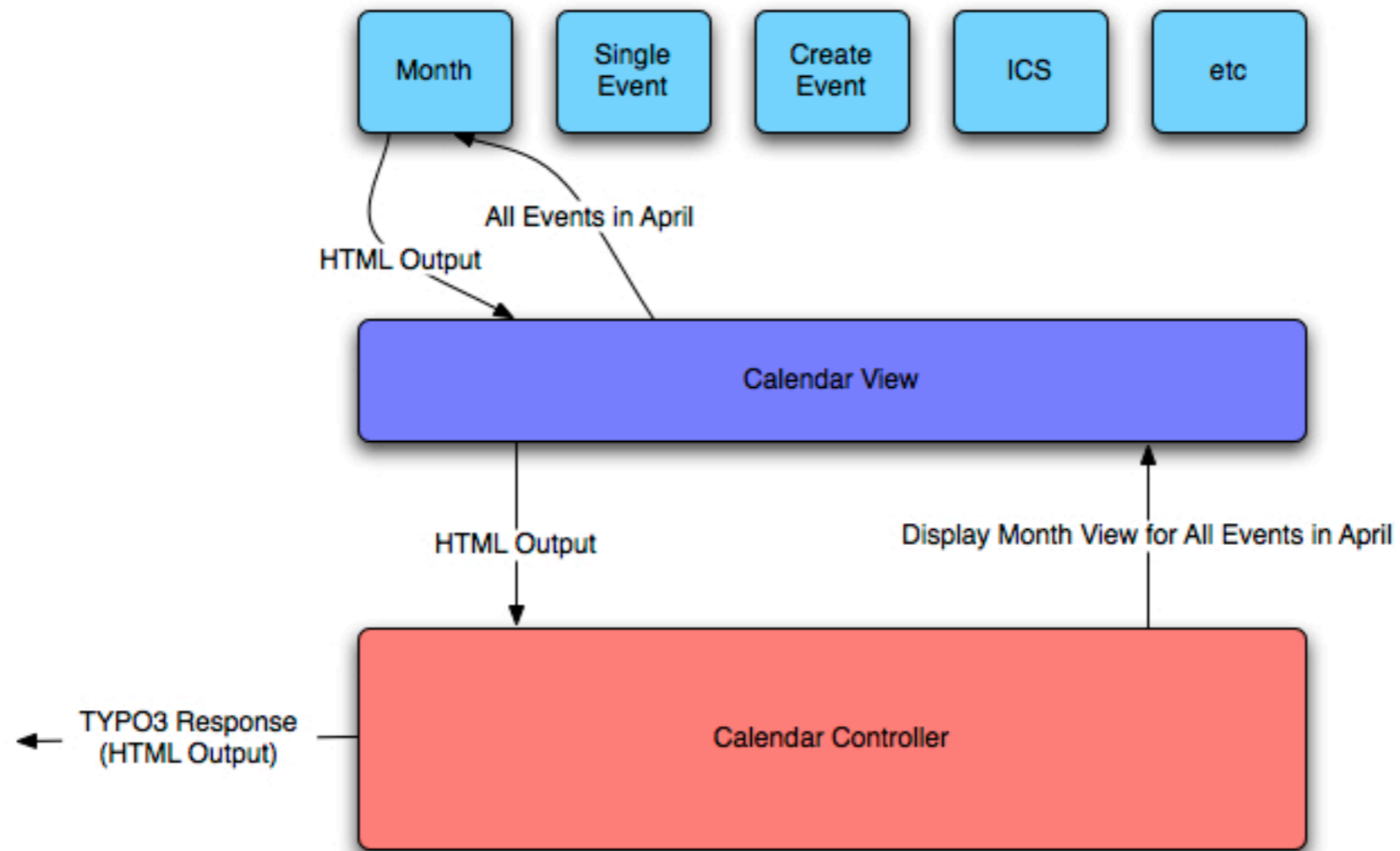


Model



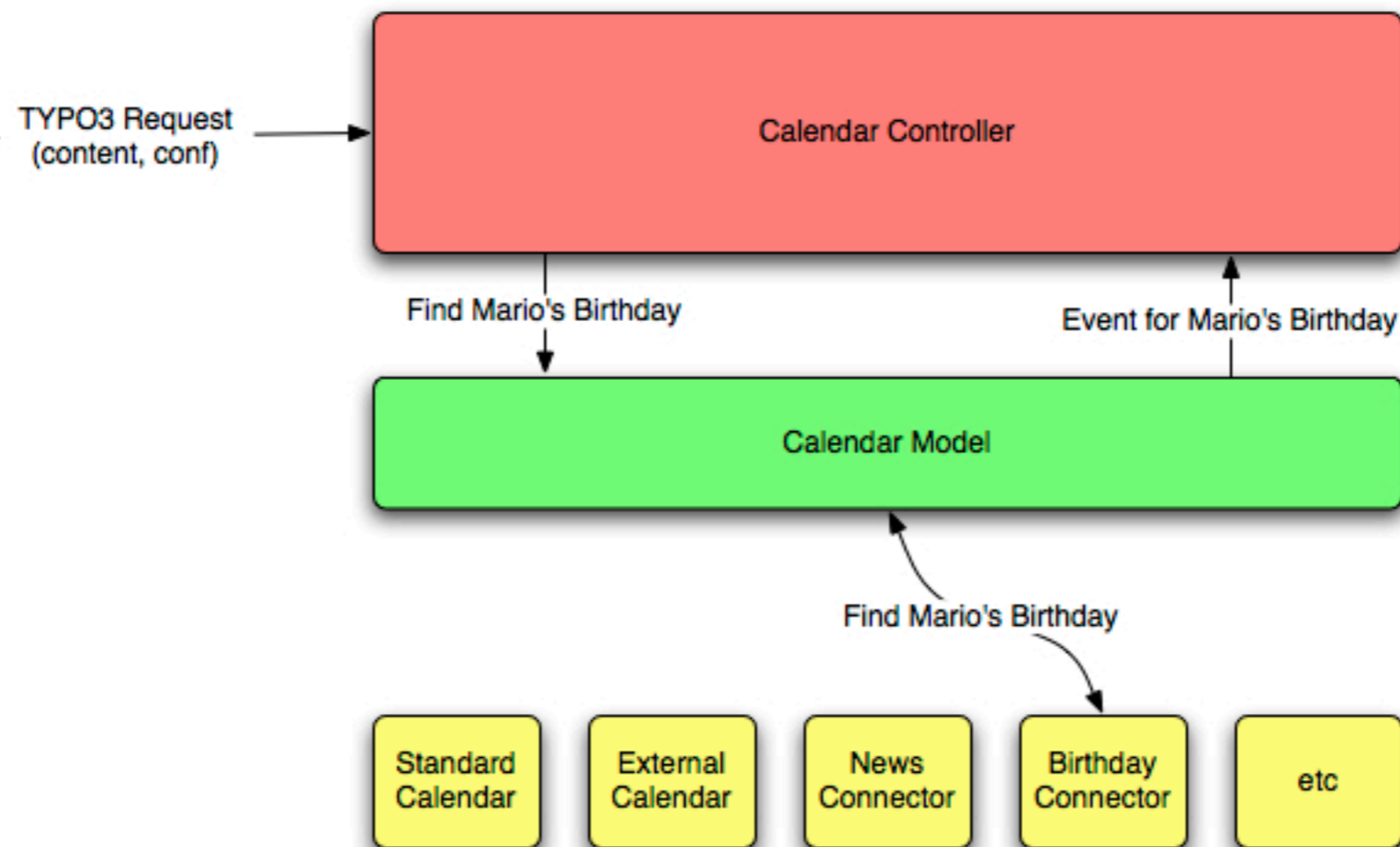


View



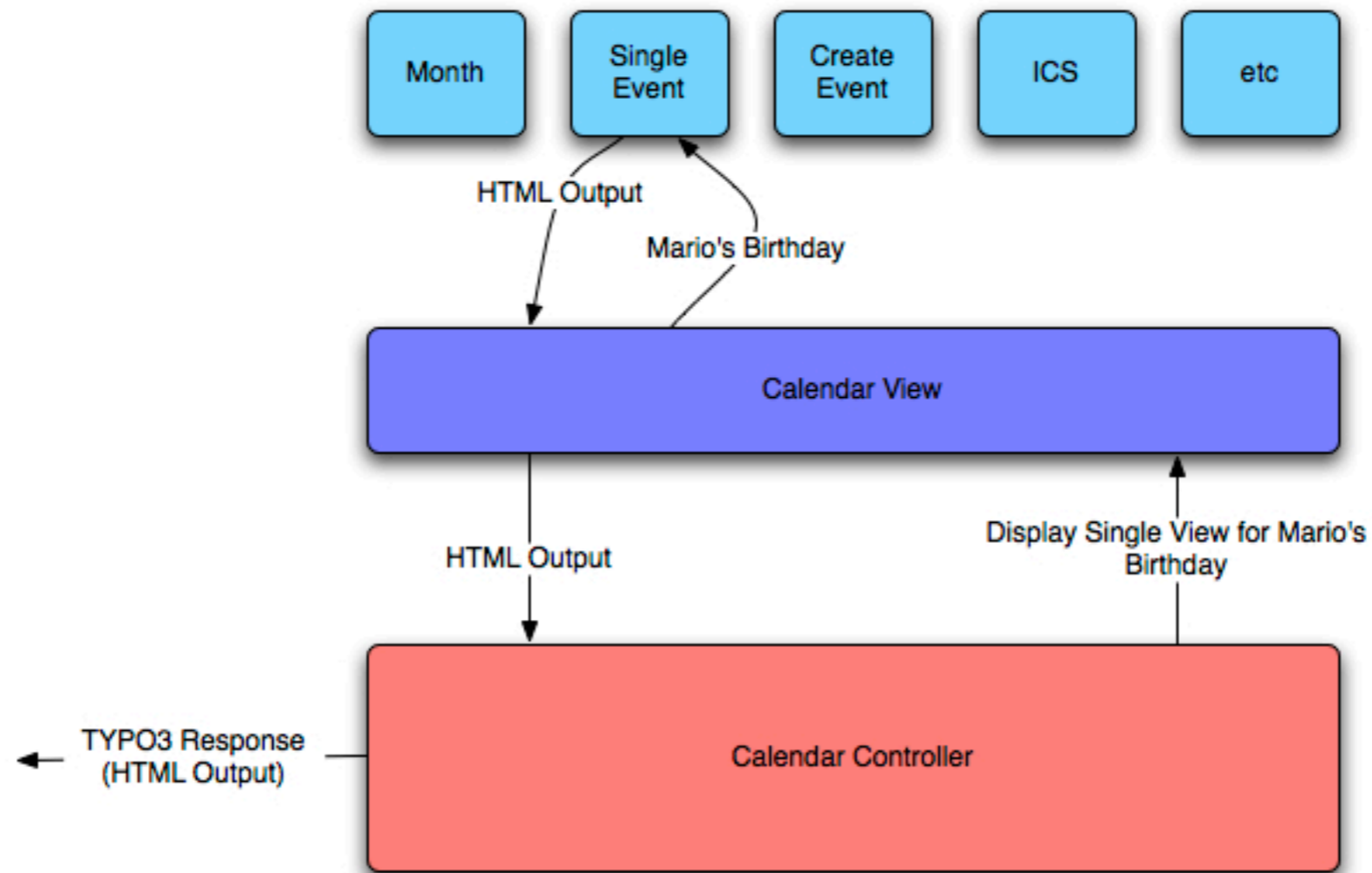


Model





View





T.I - Importer Service



- General Recipe:
 - A table containing a date/time representative (timestamp)
 - A model encapsulating a table row information
 - A service connecting the model with cal
 - An ext-developer mixing everything



T.I - Birthday Service



- Instructions: Fe-User Birthdays
- Table: fe_users
- Field: date_of_birth
- Class: tx_cal_birthday_model extends tx_cal_phpicalendar_model
- Service: tx_cal_birthday_service extends tx_cal_event_service
- Configuration: ext_localconf.php



T.2 - My View



- **General Recipe:**
 - A service overwriting an existing view
 - An ext-developer configuring it the correct way



T.2 - HolidayView



- Instructions: Holiday View
- Service: `tx_cal_birthday_service` extends `tx_cal_event_service`
- Configuration: `ext_localconf.php`



T.3 - Module Marker



- keyword `MODULE__` :
- `###MODULE__TEST###`
- cal will try to instantiate a service with the name:TEST and type: module
- Calls: `$module->start($this)`
- Expects: HTML



T.3 - Module: LocationLoader



- `phpicalendar_event.tpl` template
- Includes another Template with location info:
- Instead of `###LOCATION###` ->
`###MODULE__LOCATIONLOADER###`