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Meet Magento™

Denmark

Develop faster on M2 using code generation tools

Juan Alonso

Senior Developer @ Stämpfli

#MM17DK

About me

- @Jalogut

- Senior Developer at Stämpfli AG

- +5 years working on Magento

- Magento Certified Developer

- Magento Certified Solution Specialist

Agenda

1. Personal experience working with Magento2

2. What are code generation tools?

3. Existing tools for Magento2

4. My own generator

5. Live Demo

6. Other tips

Personal Experience on M2

- Experience -> **lots of copy-pasting**

- One goal -> **avoid copy-pasting**

- Problem -> **many different file formats**

  - Xml definitions

  - Class types and inheritance
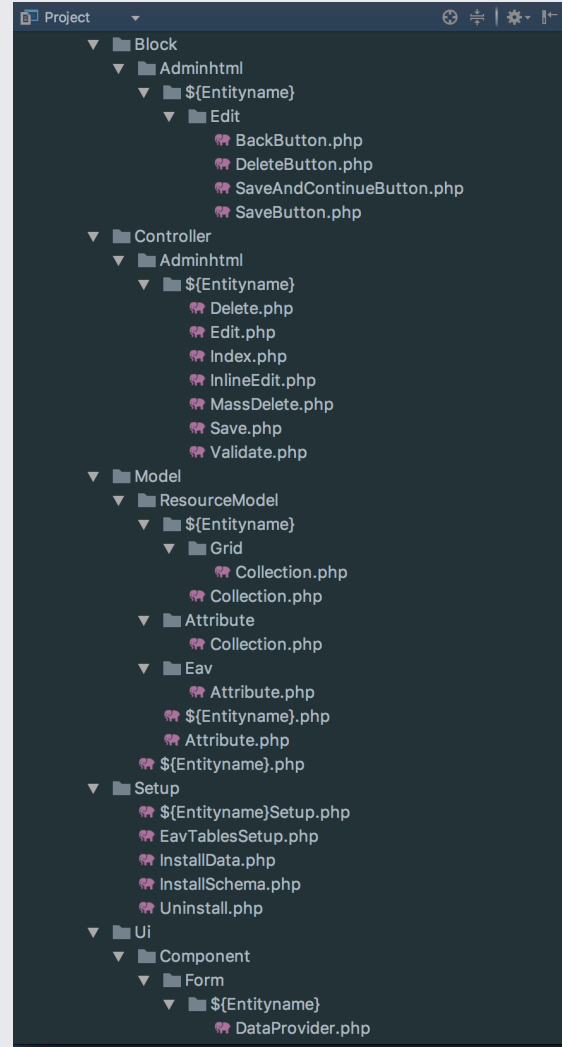
Personal Experience on M2

- Solution -> **PHPStorm Templates**
  - @VinaiKopp Gist
    - https://gist.github.com/Vinai/eb4713bda65fb8b467b1
  - Magento2-phpstorm-templates
    - https://github.com/staempfli/magento2-phpstorm-templates

I was Happy

Personal Experience on M2

- Another Problem -> **CRUD Modules**

  - + 30 files needed

Sad again

So what can I do?

Personal Experience on M2

- Solution -> **Code generation tools**
  - https://www.yireo.com/blog/1816-magento-2-code-generation-tools

What are code generation tools?

- Tools that help developers to create modules more easily

- Automatically generate files with working code

- Skip boring process of creating files that are always the same

- Quick start to have base code of a module or functionality

Existing Tools for M2

- Pestle (Alan Storm): https://github.com/astorm/pestle

- N98-magerun2: https://github.com/netz98/n98-magerun2

- Mage2gen:

  - https://mage2gen.com/

  - https://github.com/krukas/Mage2Gen

- MSP_CodeMonkey (under construction):

  - https://github.com/magespecialist/m2-MSP_CodeMonkey

My own generator

Goals:

- Similar to "PHPStorm live templates" but for multiple files

- Folders & files structure with placeholders

- Easily extensible:

    - Simple and fast to add new templates

    - Encourage other developers to contribute

- Keep it simple

My own generator

magento2-code-generator

- Github repo:

  - https://github.com/staempfli/magento2-code-generator

Live Demo

Live Demo

- Playlist videos:
  - https://www.youtube.com/playlist?list=PLBt8dizedSZCxuqK41vG01_MngJQPRuMj
- CRUD EAV in 5 minutes:
  - https://www.youtube.com/watch?v=f8qBnOIRIs4

Conclusions

- Stop copy-pasting

- Use a code generation tool for Magento 2.

  - It will make your life easier.

  - They are free, your time is not

- If you miss something, just contribute, they are open-source.

Links

- Twitter: @Jalogut

- Commercehero: https://commercehero.io/juan.alonso

- PHPStorm templates:

  - https://github.com/staempfli/magento2-phpstorm-templates

- magento2-code-generator:

  - https://github.com/staempfli/magento2-code-generator

?

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Other tips

- PHPStorm External Tools

  - Preferences > Tools > External Tools

  - Keymap > External Tools > External Tools

- Useful tools:

  - Clear cache: *bin/magento cache:clean*

  - Setup: *bin/magento setup:upgrade*

  - Generation flush: *bin/n98-magerun2 generation:flush*

  - Purge all:

    find var/generation var/cache var/page_cache var/view_preprocessed pub/static -mindepth 1 -maxdepth

    1 -not -name .htaccess -exec rm -r {} +

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