

# Drupal Module Development

- Hooks
- Alter Existing Forms
- Create Pages
- Database Interaction
- Alter Nodes
- Move Views into a Module
- Theme Your Module

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- PHP Developer for 8 years
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# Hooks

- To extend Drupal, a module need simply implement a hook
- Common Hooks:
  - `hook_form_alter()`
  - `hook_menu()`
  - `hook_block()`
  - `hook_nodeapi()`
- <http://api.drupal.org/api/group/hooks/5>

# Alter Existing Forms

`hook_form_alter()`

- add a default value
- add a whole new field
- [http://api.drupal.org/api/function/hook\\_form\\_alter/5](http://api.drupal.org/api/function/hook_form_alter/5)

# Add a Page

hook\_menu()

- \$may\_cache for static URLs
- !\$may\_cache for dynamic URLs
- basic page
- page with arguments
- [http://api.drupal.org/api/function/hook\\_menu/5](http://api.drupal.org/api/function/hook_menu/5)

# Database Interaction

- `.install` to alter schema
  - `hook_nodeapi()` to manipulate data
  - `db_query()`
  - use modifiers: `%d`, `%s`
- 
- <http://api.drupal.org/api/group/database/5>

# Views in Modules

`views_default_views()`

- export view
- place in separate file
  
- <http://drupal.org/handbook/modules/views/api>

# Theme Your Module

- `theme()`
- `new tpl.php`
- [http://api.drupal.org/api/function/\\_phptemplate\\_callback/5](http://api.drupal.org/api/function/_phptemplate_callback/5)