Testing part 1:
Intro to Testing

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What is SimpleTest?

- PHP Testing Framework
- Integrated as a contributed module in D5 + D6
- Integrated in core for Drupal 7
- Implements Automated Testing
Why Automated Testing?

- Define exactly what the code should do
  - Easier development
  - Easier to refactor code
  - Less debugging
  - Less mistakes
  - More fun
Why Automated Testing?

- Document Bugs

```php
$xss = '<script>alert("xss")</script>';

$edit = array(
    'title' => $xss,
);

$node = $this->drupalCreateNode($edit);

$this->drupalGet('node/' . $node->nid . '/edit');
$this->assertNoRaw($xss, t('Harmful tags are escaped.'));
```
Why Automated Testing?

- Document Bugs
  - Prevent regressions
  - Quality Assurance
  - Better Software
Why Automated Testing?
Why Automated Testing?

Hungarian Pancake
so... how does it work?

- .test files
- Contain test classes
- Test classes extend the SimpleTest class
- Use Helper methods to:
  - Simulate user actions
  - Check behavior
No, really... how does it work?

Let me show you...
Awesome Testing Party!

- Tomorrow, 9am in the Life Room
- Hungarian Pancakes!
- Hands-on experience!
- Contribute to Drupal!
- Work with awesome people!