Implementing data-display tags in FBML

Example 6-27 shows examples of using Facebook data through FBML. <fb:profile-pic> takes uid, size, and title attributes and combines these to produce output HTML based on internal data and according to Facebook's standard. In this case, the output is a profile picture with the specified user's name, linked to that user's profile page, shown only if that content is visible to the viewing user. This function lives within the FBMLImplementation class as well.

EXAMPLE 6-27. Implementation of the fb:profile-pic tag

```
// <fb:profile-pic>: example of data-display tag
public function fb_profile_pic($node) {
  // profile-pic is certainly disallowed if images are disallowed
  $this->check('images');

  $viewing_user = $this->get_env('user');
  $uid = $node->attr_int('uid', 0, true);
  if (!is_user_id($uid))
    throw new FBMLRenderException('Invalid uid for fb:profile_pic ('.$uid .')');

  $size = $node->attr('size', "thumb");
  $size = $this->validate_image_size($size);

  if (can_see($viewing_user, $uid, 'user', 'pic')) {
    // this wraps user_get_info, which consumes the user's 'pic' data field
    $img_src = get_profile_image_src($uid, $size);
  } else {
    return '';
  }
  $attrs['src'] = $img_src;
  if (!isset($attrs['title'])) {
    // we can include the user name information here too.
    // again, this function would wrap internal user_get_info
    $attrs['title'] = id_get_name($id);
  }

  return $this->_html_renderer->render_html_singleton_tag('img', $attrs);
}
```

Data-execution tags in FBML

The recursive nature of FBML parsing makes possible the <fb:if-can-see> tag, an example of FBML actually controlling *execution*, like an if statement in standard imperative control flow. Another method within the FBMLImplementation class, it is detailed in Example 6-28.

EXAMPLE 6-28. Implementation of the fb:if-can-see tag

```
// <fb:if-can-see>: example of data-execution tag
public function fb_if_can_see($node) {
  global $legal_what_values; // the legal attr values (profile, friends, wall, etc.)
  $uid = $node->attr_int('uid', 0, true);
  $what = $node->attr_raw('what', 'search'); // default is 'search' visibility
  if (!isset($legal_what_values[$what]))
```