```
/***
    USAGE:

    ListTopicSubpages(topic_page, pages, categories)
        Generates a list of subpages for a given topic page

    PARAMETERS:

    topic_page : page
        Root topic page for which to display sublist

    pages : list
        List of all topic pages the guide covers. Expected to be tagged
with tutorial, reference, troubleshooting or topic.

    (optional) categories : list of maps
        Array of items such as [{category: 'tutorial'},
{category:'reference'}] containing the fields to search for and display.

***/

var topic_page = $topic_page ?? $0;
var pages = $pages ?? $1;
var categories = $categories ?? $2 ?? [
    {category: 'topic'},
    {category: 'tutorial'},
    {category: 'reference'},
    {category: 'troubleshooting'}
];

var subpages = [p foreach var p in pages where p.parent.id ==
topic_page.id];

var pages_in_category = {};
var has_subpages = false;
foreach (var c in categories) {
    let pages_in_category = pages_in_category .. {
        (c.category): [p foreach var p in subpages where p[c.category]]
    };

    if (#pages_in_category[c.category]) {
        let has_subpages = true;
    }
}

if (!has_subpages) {
    return;
}
<div class="noindex">
```

```
<div class="mt-idf-subtopic-container">
foreach (var c in categories) {
    if (#pages_in_category[c.category]) {
        <ul id=('mt-idf-topic-' .. topic_page.id .. '-' .. c.category ..
'-details')
            class=('mt-idf-topic-' .. topic_page.id .. '-details')>
           foreach (var p in pages_in_category[c.category]) {
              <li>
                web.link(p.uri, p.title);
                <span class="mt-idf-category">'(' ..
wiki.localize('MindTouch.IDF.guide.category.' .. c.category) .. ')'</span>
             </li>
           }
        </ul>
    }
}
</div>
</div>
```