```
/***
    USAGE:

    ListChanges(page, limit)
        create a list of recent changes for the given page

    PARAMETERS:

    (optional) page : num/str
        page for which to retrieve changes; defaults to current page

    (optional) limit : num
        maximum number of changes to show; defaults to 50

    (optional) depth : str
        depth to traverse; defaults to 0

***/

var source_page = $0 ?? $page ?? page.id;
var limit = $1 ?? $limit ?? 50;
var depth = $2 ?? $depth ?? 0;

var feedUri = wiki.getpage(source_page).feed & {limit: limit, format:
'rawdaily', depth: depth};
var changes = wiki.api(feedUri)['change'];

var dates = {};
var ordered_dates = [];
var dateFormat = 'yyyyMMdd';

// collect dates into day-by-day aggregate
foreach (var c in changes) {
    var changeDate = date.parse(xml.text(c, 'rc_timestamp'),
'yyyyMMddHHmmss');
    var dateTitle = date.format(changeDate, dateFormat);

    if (!dates[dateTitle]) {
        let dates = dates .. {(dateTitle): []};
        let ordered_dates = ordered_dates .. [dateTitle];
    }

    let dates = dates .. {(dateTitle): dates[dateTitle] .. [c]};
}

if (#changes > 0) {
    <div class="noindex">
    <ul class="recentchanges">
    foreach (var dateTitle in ordered_dates) {
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    let dateChanges = dates[dateTitle];

    // convert to user-friendly format
    let sectionDate = date.parse(dateTitle, dateFormat);

    <li class="recentchanges-datetitle">
        Template('MindTouch/Controls/DateTime', {date:sectionDate,
format: 'date'});
    </li>

    foreach (var c in dateChanges) {
        var pageId =  xml.num(c, 'rc_cur_id');
        var page = wiki.getPage(pageId);
        var username = xml.text(c, 'rc_user_name');
        var user = wiki.getuser(username);
        var changeDate = date.parse(xml.text(c, 'rc_timestamp'),
'yyyyMMddHHmmss');
        var pageExists = xml.num(c, 'rc_page_exists');
        var pageTitle = xml.text(c, 'rc_title');

        <li>
            pageExists ? web.link(page.uri, page.title) : pageTitle;
            <div class="recentchanges-details">
                wiki.localize('MindTouch.Templates.ListChanges.updated.by')
.. ' ';

                user ? <a href=(user.uri)>username</a> : username;
                ' ';

wiki.localize('MindTouch.Templates.ListChanges.updated.at') .. ' ';
                <span class="recentchanges-date">Template('MindTouch/
Controls/DateTime', {date:changeDate, format:'time'})</span>
                ': ';
                <span class="recentchanges-change">xml.text(c,
'rc_comment');</span>
            </div>
        </li>
        }
    }
    </ul>
    </div>
}


ul.recentchanges {
   padding: 0px;
   margin: 0px 0px 0px 10px;
}

ul.recentchanges li {
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   margin-left: 20px;
   padding-bottom: 10px;
}

ul.recentchanges .recentchanges-datetitle {
   font-size: 18px;
   font-weight: bold;
   margin: 25px 0px 5px 0px;
   padding-bottom: 5px;
   border-bottom: 1px solid #eaeaea;
}
```