Old_Zend_Service_Rakuten

<ac:macro ac:name="note"><ac:parameter ac:name="title">Outdated</ac:parameter><ac:rich-text-body>
This proposal is outdated, not ready for review.
please see, Zend_Service_Rakuten Proposal </ac:rich-text-body></ac:macro>

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Zend Framework: Zend_Service_Rakuten Component Proposal

Proposed Component Name	Zend_Service_Rakuten
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Service_Rakuten
Proposers	Shingo Terui
Revision	0.1 - 1 March 2007: Started proposal process. (wiki revision: 7)

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1. Overview

Zend_Service_Rakuten is a Zend Framework interface to use the "Rakuten Web service" API that Rakuten Inc is providing.

2. References

following links are API references written with Japanese.

- Rakuten Web Service
- Rakuten item search API
- Rakuten genre search API
- Rakuten item code search API
- Rakuten book search API
- Rakuten CD search API
- Rakuten DVD search API
- Rakuten catalog search API
- Rakuten-Travel hotel detail search API
- Rakuten-Travel vacant hotel search API
- Rakuten-Travel area code API

3. Component Requirements, Constraints, and Acceptance Criteria

- Implements all available "Rakuten Web Service" API calls with consistent naming conventions.
- Returns server responses as lightweight data objects.

4. Dependencies on Other Framework Components

- Zend_Rest_Client
- Zend_Service_Exception
- Zend_Exception

5. Theory of Operation

Returns server response as lightweight objects.

6. Milestones / Tasks

- Milestone 1: Class development and write proposal
- Milestone 2: Unit tests and debugging
- Milestone 3: Documentation

7. Class Index

- Zend_Service_Rakuten
- Zend_Service_Rakuten_ResultSet
- Zend_Service_Rakuten_Exception

8. Use Cases

UC-01

Retrieve an item including the key word "Baby".

```
require_once 'Zend/Service/Rakuten.php';
$rakuten = new Zend_Service_Rakuten(YOUR_DEVELOPER_ID);
$results = $rakuten->keyword('baby')->hits(10)->search('ItemSearch');
foreach ($results as $item) {
  echo $item->itemName . ': ' . $item->itemPrice . ' yen.<br />';
}
```

9. Class Skeletons

```
class Zend_Service_Rakuten
{
    /**
     * Constants referring to RWS response schema types
     */
    const SCHEMA_REST = 'rest';
    const SCHEMA_JSON = 'json';

 /**
  * RWS version number
  *
  * @var string
  */
    protected $rws_version = '1.4';

    /**
     * RWS schema type
     *
     * @var string
     */
    protected $rws_schema = 'rest';

    /**
     * RWS request parameters
     *
     * @var array
     */
    protected $parameters = array();

    /**
     * Class constructor
     *
     * @param string $developerId hex number of chars.
     * @param string $rws_version example: "1.4"
     * @throws Zend_Service_Rakuten_Exception
     */
    public function __construct($developerId, $rws_version = null);

    /**
     * set API parameter
     *
     * @param string $method example: "keyword", "hits" ...
     * @param array $arguments
     * @return Zend_Service_Rakuten
     * @throws Zend_Service_Rakuten_Exception
     */
    public function __call($method, $arguments);

    /**
     * set RWS schema.
     *
     * @param string $schema "rest" or "json"
     * @return Zend_Service_Rakuten
     * @throws Zend_Service_Rakuten_Exception
     */
    public function schema($schema);

    /**
     * connect to RWS API and retrieve response data.
     *
     * @param string $operation RWS API operation name
     * @param array $parameters
     * @return Zend_Service_Rakuten_ResultSet
```

```
     * @throws Zend_Service_Rakuten_Exception
     */
    public function search($operation, $parameters = null);
}

class Zend_Service_Rakuten_ResultSet
{
}
```

```
class Zend_Service_Rakuten_Exception extends Zend_Service_Exception
{
}
```

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