**Topup functionality details**:

**PHP extension (below extension should be enabled in your system in order to use this functionality):**

mod\_rewrite  
php\_intl  
php\_curl

**File/functionality:**

1. Index.php:

* Sample user interface with add balance and get balance form
* On submit of form, call appropriate function from topup handler.

1. .htaccess:  
   - File for handling rewrite route for url so that any url will point to index.php file only with provided query string parameters.
2. TopupConstants.php

* Added multiple constant used throughout the functionality.

1. TopupHandler.php:

* This is the main file (heart) of the application which is responsible for handling an API and related output.
* Below are function details

|  |  |  |
| --- | --- | --- |
| **Function name** | **Arguments** | **What function do** |
| callApi | **$apiName** (String) - API action name  **$apiParametersString** (String) - Query string sending to API call | Third party API curl call for topup API and send XML response of legacy APIs |
| getBalance | **$simNumber** (number) SIM number for get balance | Third party API call and handling response for getBalance API.convert legacy API XML to array and return it. |
| addBalance | **$simNumber** (Number) SIM number for get balance  **$currency** (String) Currency short name  **$amount** (Float) Amount for add balance | Third party API call and handling response for addBalance API.  - Convert legacy API XML to array and return it.  - Handling all possible test-cases, do appropriate notification or error |
| parseXMLtoArray | **$xmlString** (String) XML response for legacy API | Third party API call and handling response for getBalance API |
| sendSMSNotification | - | Send an SMS notification API call |
| sendEmailNotification | **$errorType** (String) Specific error type based on which email will be send | Send an email notification specific to error - eg. For Syntax error email, we use SYNTAX\_ERROR constant as an $errorType parameter. |