Preparing and consuming lumen gateway services,

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Updated ApiResponser.php for connected microservice lumen project,

<?php

namespace App\Traits;

use Illuminate\Http\Response;

trait ApiResponser

{

    public function successResponse($data, $code = Response::HTTP\_OK)

    {

        return \response()->json($data,$code)->header('Content-Type','application/json');

    }

    public function errorResponse($message, $code)

    {

        return \response()->json([

            'error' => $message,

            'code' => $code

        ],$code);

    }

    public function errorMessage($message, $code)

    {

        return \response()->json($message,$code)->header('Content-Type','application/json');

    }

}

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Step 1: composer require guzzleHttp/guzzle;

Step 2: Main (root) structure er under e config file er under e services.php name e ekta file create kora holo,

Full services.php code, [ config->services.php ]

[ jei jei service er jonno url lagbe, ]

<?php

return [

    'authors' => [

       'base\_uri' => env('AUTHORS\_SERVICE\_BASE\_URL'),

    ],

    'books' => [

        'base\_uri' => env('BOOKS\_SERVICE\_BASE\_URL'),

     ],

];

Step 3 : bootstrap->app.php er moddhe services.php ke register kora holo,

// registering config files

$app->configure('services');

Step 4: app->Traits er under e ConsumesExternalService.php nam e ekta file create kora holo.

Full ConsumesExternalService.php file code,

<?php

namespace App\Traits;

use GuzzleHttp\Client;

trait ConsumesExternalService

{

    public function performRequest($method, $requestUrl, $formParams = [], $headers = [])

    {

        $client = new Client([

            'base\_uri' => $this->baseUri,

        ]);

        $response = $client->request($method, $requestUrl,[

            'form\_params' => $formParams, 'headers' => $headers

        ]);

        return $response->getBody()->getContents();

    }

}

Step 5: config->services.php er moddhe authors and books er jonno base\_uri set kora holo,

<?php

return [

    'authors' => [

       'base\_uri' => env('AUTHORS\_SERVICE\_BASE\_URL'),

    ],

    'books' => [

        'base\_uri' => env('BOOKS\_SERVICE\_BASE\_URL'),

     ],

];

Step 6 : .env er moddhe link url ke set kore dewa holo, ultimately jekhan theke data fetch hobe,

AUTHORS\_SERVICE\_BASE\_URL=localhost:8000

BOOKS\_SERVICE\_BASE\_URL=localhost:8001

Step 7 : app er under e services naam e ekta folder create kora holo and services er under e AuthorService.php nam e ekta file create kora holo, [ AuthorController and authors table er shathe followed ]

app->services->AuthorService.php code,

<?php

namespace App\Services;

use App\Traits\ConsumesExternalService;

class AuthorService

{

    use ConsumesExternalService;

    public $baseUri;

    public function \_\_construct()

    {

        $this->baseUri = config('services.authors.base\_uri');

    }

}

Step 8: nirdharito created controller er moddhe services guloke set kore dewa holo, from AuthorController,

namespace App\Http\Controllers;

use App\Services\AuthorService;

use Illuminate\Http\Request;

use App\Traits\ApiResponser;

class AuthorController extends Controller

{

    use ApiResponser;

    public $authorService;

    public function \_\_construct(AuthorService $authorService)

    {

        $this->authorService = $authorService;

    }

    public function index()

    {

    }

}