

**Research topic:** There will be two servers (ex. rmghealthcarebd and acquaintbd.net). RMG-Health care server is the mother server and all other server is the child server. When any user login into the child server, then - date, time and website name will be sent into the mother servers text file ( the file which is located into the public folder).

## Research steps:

- Create a new laravel project by command into the git bash. Command is:
  - " laravel new ProjectName".
- Now install guzzle http request package in both server (mother and child):
  - "composer require guzzlehttp/guzzle"
- Upload new created project in the mother server and configure it by: Uploading database. In this database user login information (which comes from child server) will be uploaded.

- ❖ When user click on login button in **child server**, the request sent into LoginController,
  - Now paste it into that controllers - method:

```
$client = new \GuzzleHttp\Client();  
  
$response = $client->request('GET',  
'https://rmghealthcarebd.com/MainServer/user/log/create/acquaintbd.net');
```

- NB: "acquaintbd.net" is the server URL. You can customize it. Only this part will go to mother server and you can see it into mother server text file.

- ❖ Now go to **mother server**:

- Copy-route:

```
// user log  
Route::get('/refresh/log', [ResearchAndDevelopmentController::class, 'refreshLog']);  
Route::get('/log', [ResearchAndDevelopmentController::class, 'log']);
```

```
Route::get('/user/log/view', [ResearchAndDevelopmentController::class,
'logView'])->name('user.log.view');
Route::get('/user/log/create/{app_url}', [ResearchAndDevelopmentController::class,
'logCreate']);
```

- Copy-controller:

```
public function log()
{
    $client = new \GuzzleHttp\Client();
    $get_response = $client->request('GET',
'https://rmghealthcarebd.com/MainServer/user/log/view');
    $datas = json_decode($get_response->getBody(), true);

    return view('user_log', compact('datas'));
}
```

```
public function logCreate(Request $request)
{
    $app_url = $request->app_url;
    // $data = $request->all();
    // return $data;
    UserLoginLog::create([
        'date' => date('Y-m-d'),
        'time' => date('H:i:s'),
        'user' => $app_url,
    ]);
}
```

```
public function logView()
{
    $data = UserLoginLog::all();
    return $data;
}
```

```
public function refreshLog()
{
    $client = new \GuzzleHttp\Client();
    $response = $client->request('GET',
'https://rmghealthcarebd.com/MainServer/user/log/create');
```

```

        return back();
    }

```

- Copy-resources:

```

<!DOCTYPE html>
<html>

<head>
    <title>User Log</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>

<body>
    @php
        use Carbon\Carbon;
    @endphp
    <div class="container">
        <div class="">
            <h3 class="mb-3 text-center">User Log </h3>
        </div>
        <div class="d-flex justify-content-between my-2">
            <!--<a href="{{ url('/refresh/log') }}" class="mt-2 ms-2">Refresh</a-->
            <a href="testing_file.text" target="_blank" class="mt-2 ms-2">view text file</a>
        </div>
        <div class="row">
            <table class="table table-bordered datatable">
                <thead>
                    <tr>
                        <th>#</th>
                        <th>Date</th>
                        <th>Time</th>
                        <th>Website</th>
                    </tr>
                </thead>
                <tbody>
                    {{-- @dd($datas); --}}
                    @php
                        $string_data = 'SL - date    time    website'. "\n";
                    @endphp

```

```

@forelse ($datas as $key=>$data)
    <tr>
        <td>{{ ++$key }}</td>
        <td>{{ $data['date'] }}</td>
        <td>{{ $data['time'] }}</td>
        <td>{{ $data['user'] }}</td>
    </tr>

    @php
        $string_data .= implode(", [$key]) . ' - ' . implode(", [$data['date']]") . ' ' .
        implode(", [$data['time']]") . ' ' . implode(", [$data['user']]") . " \n";
    @endphp
@empty
    <tr>
        <td colspan="4" class="text-center text-danger">No data</td>
    </tr>
@endforelse

    @php
        $file_location = 'testing_file.text';
        $file_open = fopen($file_location, 'w+');
        // writing in text file
        fwrite($file_open, $string_data);
        // echo fwrite($file_open, $string_data);
        fclose($file_open);
    @endphp
</tbody>
</table>
</div>
</div>
</body>
</html>

```

- ❖ Now our mother server is configured. When any user login into the child server-date, time and child server domain name will be sent into the mother server and we can view it into the server and text file also and the text file is located into the public folder.