Functional Requirement Date: 31/8/2020

In this question actually we need to create Currency Convertor tool in which we need to use several methods mention below

In Laravel need to define two methods –

1. Index method - in which we call View file for Currency Converter and pass the Array of Currency available in the world.
2. Converter method – In this function basically we call API for Currency value’s with today’s rate and display the value.

In Javascript need to define three methods –

1. Current\_currecy method – This method will will check amount has filled or not if filled then this method call converter function.
2. Currency\_selected\_method – This method will will check amount has filled or not if filled then this method call converter function.
3. Converter method – this function first get all values then validate it after that ajax request will handle in this method and converter method in laravel will call by ajax.

Pseudo Code/Logic

1. Fresh Install laravel Project
2. Define View,Model,Controller for currency converter
3. In view Define Form
4. Get value in javascript
5. Validate Values
6. Make 3 different methods first and second method call third method when amount value is filled, and third function will actually call ajax method for API(call converter method in laravel)
7. In laravel converter method Get the value from ajax and perform converter function by calling external API.
8. Response in ajax and this will response in html tag as result.

Timeline

This will take one day for implementation and one other day for uncertain issues or testing.

Schedule\_&\_Birds\_eye\_view\_sudhir

|  |  |  |
| --- | --- | --- |
| Time | Task | Status |
| 1 Hour | Basic configure application |  |
| 1 Hour | Form implementation |  |
| 1 Hour | Javascript Method |  |
| 3 Hours | Laravel method implementation for Currency Converter |  |
| 1 Hours | Unit Test |  |
| 1 Hours | For live server Deployement |  |
| 1 Days | Work on issue or test on Server/backup |  |

Resources

1. System requirement with 4gb ram and in operating system window 7 or greater.
2. Mininum 1 developer requirement if need advance ui so one other developer for ui also required.
3. Internet
4. IDE like PHPStorm software or visual studio code.
5. Xammp or Wampp software.
6. API Licence required for Currency today’s rate value get.

For more details price rate visit this site - <https://www.currencyconverterapi.com/pricing>

Third Party API

1. API Licence required for Currency today’s rate value get.

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Data Flow Diagram

Create Form

Form Validation ?

false

Ajax Call

true

Response Result to Perticular Id

API call

Return Validation message