

Create the following problems and necessary tables of a database with your own idea. After developed these pages, please send **ALL** source code and associated database's tables. We will evaluate your level concern with Laravel as Back End and (ReactJS or Laravel View) as Front End. (Write down your developed time for this pages and give it to us.)

TEST

※ Prerequisite

1. React JS should be studied.
2. Database API should be studied.
3. Laravel should be studied.

1. Write a program to manage income. A person wants to manage his/her monthly income as follow:

Save money – 10 % of income

Tax money – 10% of income

Monthly General Expenses- 60% of income

Extra money – 20% of income

He/she wants to buy many items for himself/herself from extra money. But he/she has not enough amount of money. So, he/she choose the items to buy from wish list from amount of extra money. He/she begins from 1st Jan to manage of his/her income. He/she gets earning every last date of the month.

Example

Month	Income	Save Money	Tax Money	General Expenses	Extra Money	Total Extra Money
Jan	100000	10000	10000	60000	20000	20000
Feb	100000	10000	10000	60000	20000	40000
.
Dec	100000	10000	10000	60000	20000	240000

Wish List

Shirt	16000
Jean Trousers	25000
Gold	200000
Guitar	60000
Smart Phone	150000
Watch	120000
Shoes	45000
Belt	65000

※ Output must show Jan to Dec.

※ You need to check with all possible entries.

※ You must use API.

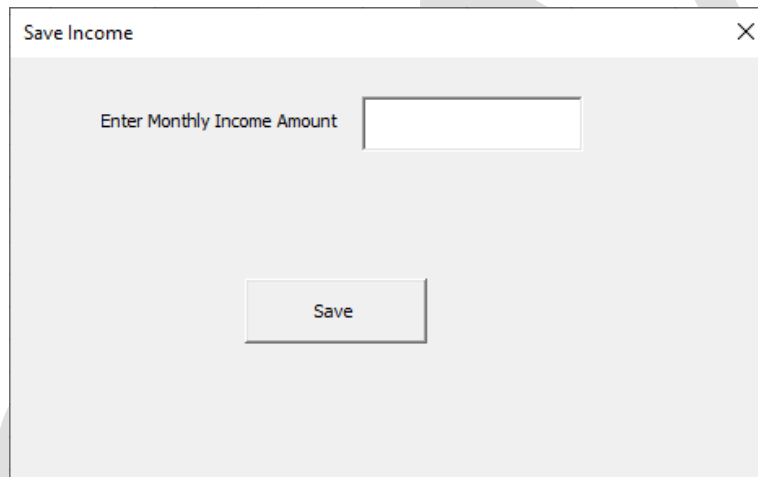
FORM DESIGN

You can reference the following form design.

I. HOME MENU

1. You should provide home menu and login as your desire.
2. There are 3 menus:
 - i. Save Income
 - ii. Wish List
 - iii. Manage Income
 - i. If there is no income and wish list, disable this menu.

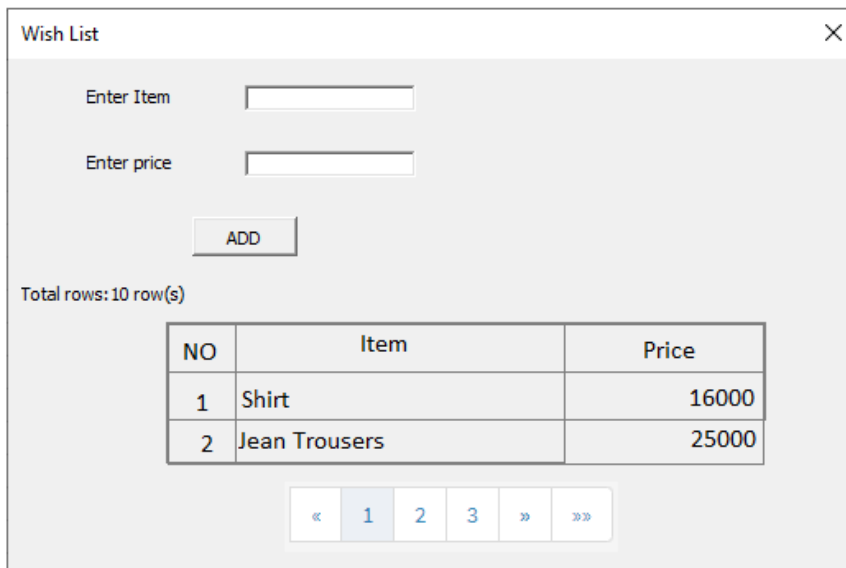
II. SAVE INCOME



A screenshot of a web form titled "Save Income". It features a text input field labeled "Enter Monthly Income Amount" and a "Save" button.

1. You should save id and income into a table called "incomes".
2. You can implement CRUD as necessary.
3. You must check all validations as necessary.

III. WISH LIST



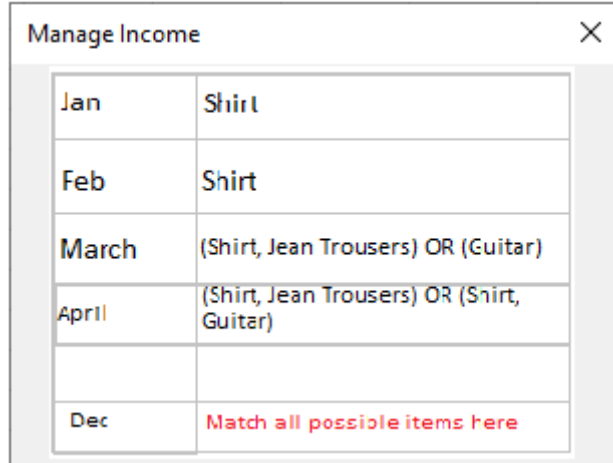
A screenshot of a web form titled "Wish List". It includes two text input fields labeled "Enter Item" and "Enter price", followed by an "ADD" button. Below the inputs, it says "Total rows: 10 row(s)". A table displays the following data:

NO	Item	Price
1	Shirt	16000
2	Jean Trousers	25000

At the bottom, there is a pagination control with buttons for «, 1, 2, 3, », and »».

1. Fill Item name and price.
2. When user clicks [ADD] button, save id, item, and price in table called "wishes" and show this item in below list.
3. There are 10 rows for a page. If it is over 10 rows, you should use pagination.
4. You can implement CRUD as necessary.
5. You must check all validations as necessary.

IV. MANAGE INCOME

A screenshot of a web application dialog box titled "Manage Income" with a close button (X) in the top right corner. Inside the dialog is a table with two columns. The first column contains months, and the second column contains item suggestions. The rows are: Jan (Shirt), Feb (Shirt), March ((Shirt, Jean Trousers) OR (Guitar)), April ((Shirt, Jean Trousers) OR (Shirt, Guitar)), an empty row, and Dec (Match all possible items here).

Month	Item
Jan	Shirt
Feb	Shirt
March	(Shirt, Jean Trousers) OR (Guitar)
April	(Shirt, Jean Trousers) OR (Shirt, Guitar)
Dec	Match all possible items here

1. You should show the months from Jan to Dec.
2. You need to write logout function as your desire.

2. Write a program to catch the time of film show. He/she wants to watch a film at cinema. After he/she gets up, brush his/her teeth. After that, take a bath, and then eat breakfast. To get to cinema, walk for a while to bus stop and take a bus. So he/she must alarm to wake up. This program must show the movie time he/she catch.

Walking Time to bus stop: 15 minutes

Time taken to Cinema from bus stop: 45 minutes

Movie time: 10:00 am, 12:30 am, 3:30 pm, and 6:30 pm

Example

Alarm Time	Time taken (Brush teeth and Take a bath)	Tike taken breakfast	Walking time	Bus time	Time taken to Cinema	Movie time
7:00	00:15	00:15	00:15	8:00	00:45	10:00

Output

Movie time: 10:00 AM

※ You need to check with all possible entries.

※ You must use API.

FORM DESIGN

You can reference the following form design.

I. HOME MENU

1. You should provide home men and login as your desire.
2. There are 3 menus:
 - i. Save Time Schedule
 - ii. Bus Schedule
 - iii. Decide Movie Time
 - i. If there is no his/her schedule and bus schedule, disable this menu.

II. SAVE TIME SCHEDULE

Save Time Schedule

Set Alarm Time

hr

mi

(※24 hour Format)

Time Taken to brush teeth and take a bath

hr

mi

(※24 hour Format)

Time taken for breakfast

hr

mi

(※24 hour Format)

Save

1. If user clicks [Save] button, you should save these data: id, alarm, time_to_teeth, and breakfast_time into todolists.
2. You must check all validations as necessary.

III. BUS SCHEDULE

Bus Schedule

Bus Time

hr

mi

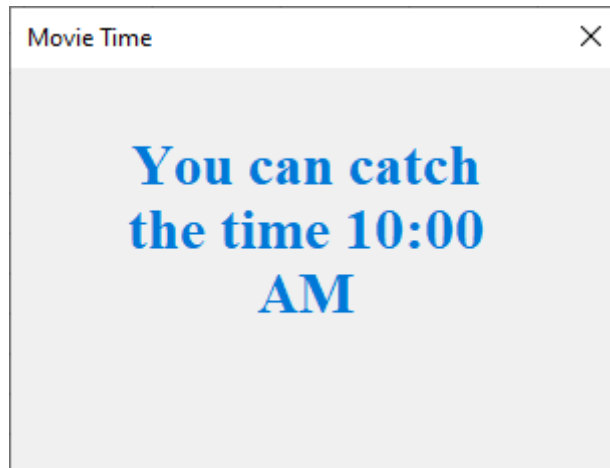
(※24 hour Format)

Add

No.	Bus Arrival Time
1	8:00

1. User should fill Bus Time.
2. When user clicks [Add] button, show this time in below list and save id, bus_time in bus_schedules table.
3. You must check all validations as necessary.

IV. SHOW MOVIE TIME



1. Show the movie time he/she can catch.